



U.S. DEPARTMENT OF TRANSPORTATION  
FEDERAL AVIATION ADMINISTRATION

Air Traffic Organization Policy

**ORDER  
JO 7400.8S**

February 16, 2010

**SUBJ:** Special Use Airspace

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- 1. Purpose of This Order.** This Order, published yearly, provides a listing of all regulatory and non-regulatory Special Use Airspace areas, as well as issued but not yet implemented amendments to those areas established by the Federal Aviation Administration.
- 2. Audience.** Airspace and Aeronautical Operations, Air Traffic Controllers, and interested aviation parties.
- 3. Where Can I Find This Order.** You can find this Order on the FAA employees' Web site at [https://employees.faa.gov/tools\\_resources/orders\\_notices/](https://employees.faa.gov/tools_resources/orders_notices/), and the FAA Air Traffic Plans and Publications Web site at [http://www.faa.gov/airports\\_airtraffic/air\\_traffic/publications/](http://www.faa.gov/airports_airtraffic/air_traffic/publications/).
- 4. What This Order Cancels.** JO FAA Order 7400.8R, Special Use Airspace, dated February 5, 2009 is canceled.
- 5. Effective Date.** February 16, 2010.
- 6. Background.** Actions establishing, amending, or revoking regulatory and non-regulatory designation of special use airspace areas, in the United States and its territories, are issued by the FAA and published throughout the year in the *Federal Register* or the National Flight Data Digest. These actions are generally effective on dates coinciding with the periodic issuance of the National Aeronautical Charting Office navigational charts. For ease of reference, the FAA is providing this compilation of all regulatory and non-regulatory special use airspace areas in effect and pending as of February 11, 2010.
- 7. Request for Information.** For further information, contact the Airspace and Rules Group, Federal Aviation Administration, 800 Independence Avenue, SW., Washington, D.C. 20591; telephone: (202) 267-8783.
- 8. Additional Information.** FAA Order JO 7400.8N was the final printed version available for distribution. FAA Order JO 7400.8 is available at the FAA Web site. Electronic dissemination facilitates faster and easier accessibility to this and other guidance materials and enhances the

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**Distribution:** AJR-32, 33, and 35: A-X(AT)-3  
External A-FAT-1(LTD); ZAT-469

Initiated by: AJR-33

preservation of our natural resources. You may retrieve the subject Order, and several other operationally significant air traffic directives, at the sites previously mentioned in this Order. If you do not have internet access, you can obtain a compact disc of any operationally significant air traffic directive from the FAA at the following address:

Federal Aviation Administration  
ATTN: Air Traffic Publications, Mail Stop: AJR-31  
800 Independence Avenue, S.W.  
Washington, DC 20591

**9. Distribution.** This Order is distributed to System Operations Airspace and Aeronautical Information Management, Flight Service Area Operations, Terminal Area Operations, En Route and Oceanic Area Operations, Air Route Traffic Control Centers, and interested aviation parties.

*for* 

Elizabeth L. Ray  
Director, System Operations Airspace and  
Aeronautical Information Management

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## **Part I – Regulatory Special Use Airspace Areas**

### **Subpart A - General**

#### **§73.1 Applicability.**

The airspace that is described in Subpart B and Subpart C of this part is designated as special use airspace. These parts prescribe the requirements for the use of that airspace.

#### **§73.3 Special Use Airspace.**

- (a) Special use airspace consists of airspace of defined dimensions identified by an area on the surface of the earth wherein activities must be confined because of their nature, or wherein limitations are imposed upon aircraft operations that are not a part of those activities, or both.
- (b) The vertical limits of special use airspace are measured by designated altitude floors and ceilings expressed as flight levels or as feet above mean sea level (MSL). Unless otherwise specified, the word "to" (an altitude or flight level) means "to and including" (that altitude or flight level).
- (c) The horizontal limits of special use airspace are measured by boundaries described by geographic coordinates or other appropriate references that clearly define their perimeter.
- (d) The period of time during which a designation of special use airspace is in effect is stated in the designation.

#### **§73.5 Bearings, Radials, and Miles.**

- (a) All bearings and radials in this part are true from point of origin.
- (b) Unless otherwise specified, all mileages in this part are stated as statute miles.

## **Subpart B – Restricted Areas**

### **§73.11 Applicability.**

This subpart designates restricted areas and prescribes limitations on the operation of aircraft within them.

### **§73.13 Restrictions.**

No person may operate an aircraft within a restricted area between the designated altitudes and during the time of designation, unless he has the advance permission of:

- (a) The using agency described in §73.15; or
- (b) The controlling agency described in §73.17.

### **§73.15 Using Agency.**

- (a) For the purposes of this subpart, the following are using agencies:
  - (1) The agency, organization, or military command whose activity within a restricted area necessitated the area being so designated.
  - (2) [Reserved]
- (b) Upon the request of the FAA, the using agency shall execute a letter establishing procedures for joint use of a restricted area by the using agency and the controlling agency, under which the using agency would notify the controlling agency whenever the controlling agency may grant permission for transit through the restricted area in accordance with the terms of the letter.
- (c) The using agency shall:
  - (1) Schedule activities within the restricted area;
  - (2) Authorize transit through, or flight within, the restricted area as feasible; and
  - (3) Contain within the restricted area all activities conducted therein in accordance with the purpose for which it was designated.

### **§73.17 Controlling Agency.**

For the purposes of this part, the controlling agency is the FAA facility that may authorize transit through or flight within a restricted area in accordance with a joint-use letter issued under §73.15.

**§73.19 Reports by Using Agency.**

(a) Each using agency shall prepare a report on the use of each restricted area assigned thereto during any part of the preceding 12-month period ended September 30, and transmit it by the following January 31 of each year to the Manager, Air Traffic Division in the regional office of the Federal Aviation Administration having jurisdiction over the area in which the restricted area is located, with a copy to the Director, Office of Air Traffic System Management, Federal Aviation Administration, Washington, DC 20591.

(b) In the report under this section the using agency shall:

(1) State the name and number of the restricted area as published in this part, and the period covered by the report.

(2) State the activities (including average daily number of operations if appropriate) conducted in the area, and any other pertinent information concerning current and future electronic monitoring devices.

(3) State the number of hours daily, the days of the week, and the number of weeks during the year that the area was used.

(4) For restricted areas having a joint-use designation, also state the number of hours daily, the days of the week, and the number of weeks during the year that the restricted area was released to the controlling agency for public use.

(5) State the mean sea level altitudes or flight levels (whichever is appropriate) used in aircraft operations and the maximum and average ordinate of surface firing (expressed in feet, mean sea level altitude) used on a daily, weekly, and yearly basis.

(6) Include a chart of the area (of optional scale and design) depicting, if used, aircraft operating areas, flight patterns, ordnance delivery areas, surface firing points, and target, fan, and impact areas. After once submitting an appropriate chart, subsequent annual charts are not required unless there is a change in the area activity or altitude (or flight levels) used, which might alter the depiction of the activities originally reported. If no change is to be submitted, a statement indicating "no change" shall be included in the report.

(7) Include any other information not otherwise required under this part which is considered pertinent to activities carried on in the restricted area.

(c) If it is determined that the information submitted under paragraph (b) of this section is not sufficient to evaluate the nature and extent of the use of a restricted area, the FAA may request the using agency to submit supplementary reports. Within 60 days after receiving a request for additional information, the using agency shall submit such information as the Director, Office of Air Traffic System Management considers appropriate. Supplementary reports must be sent to the FAA officials designated in paragraph (a) of this section.

AMENDMENTS 8/6/93 58 FR 42001 (Amended)

### §73.21 Alabama

#### **R-2101 Anniston Army Depot, AL**

**Boundaries.** Beginning at lat. 33°41'20"N., long. 86°00'30"W.; to lat. 33°41'20"N., long. 85°59'00"W.; to lat. 33°40'30"N., long. 85°59'00"W.; to lat. 33°39'40"N., long. 85°59'50"W.; to lat. 33°39'40"N., long. 86°00'30"W.; to the point of beginning.

**Designated altitudes.** Surface to 5,000 feet MSL.

**Time of designation.** From 0700 to 1800 CST, Monday-Friday.

**Using agency.** Commanding Officer, Anniston Army Depot.

#### **R-2102A Fort McClellan, AL**

**Boundaries.** Beginning at lat. 33°45'00"N., long. 85°53'55"W.; to lat. 33°44'07"N., long. 85°53'36"W.; to lat. 33°44'07"N., long. 85°52'55"W.; to lat. 33°41'04"N., long. 85°52'55"W.; to lat. 33°40'15"N., long. 85°54'00"W.; to lat. 33°41'20"N., long. 85°55'30"W.; to lat. 33°41'20"N., long. 86°01'07"W.; to lat. 33°43'55"N., long. 86°01'07"W.; to lat. 33°44'11"N., long. 86°00'54"W.; to lat. 33°45'00"N., long. 86°00'45"W.; to lat. 33°45'20"N., long. 86°00'31"W.; to lat. 33°45'27"N., long. 86°00'16"W.; to lat. 33°45'27"N., long. 85°59'26"W.; to lat. 33°45'14"N., long. 85°59'26"W.; to lat. 33°45'14"N., long. 85°55'17"W.; to lat. 33°45'00"N., long. 85°55'17"W.; to the point of beginning.

**Designated altitudes.** Surface to and including 8,000 feet MSL.

**Time of designation.** Intermittent, 0600-2200 local time, daily; other times by NOTAM 6 hours in advance.

**Controlling agency.** FAA, Atlanta ARTCC.

**Using agency.** Alabama Army National Guard.

AMENDMENTS 9/9/99 64 FR 39016 (Amended)

#### **R-2102B Fort McClellan, AL**

**Boundaries.** Beginning at lat. 33°45'00"N., long. 85°53'55"W.; to lat. 33°44'07"N., long. 85°53'36"W.; to lat. 33°44'07"N., long. 85°52'55"W.; to lat. 33°41'04"N., long. 85°52'55"W.; to lat. 33°40'15"N., long. 85°54'00"W.; to lat. 33°41'20"N., long. 85°55'30"W.; to lat. 33°41'20"N., long. 86°01'07"W.; to lat. 33°43'55"N., long. 86°01'07"W.; to lat. 33°44'11"N., long.



86°00'54"W.; to lat. 33°45'00"N., long. 86°00'45"W.; to lat. 33°45'20"N., long. 86°00'31"W.; to lat. 33°45'27"N., long. 86°00'16"W.; to lat. 33°45'27"N., long. 85°59'26"W.; to lat. 33°45'14"N., long. 85°59'26"W.; to lat. 33°45'14"N., long. 85°55'17"W.; to lat. 33°45'00"N., long. 85°55'17"W.; to the point of beginning.

**Designated altitudes.** 8,000 feet MSL to and including 14,000 feet MSL.

**Time of designation.** Intermittent, 0600-2200 local time, daily; other times by NOTAM 6 hours in advance.

**Controlling agency.** FAA, Atlanta ARTCC.

**Using agency.** Alabama Army National Guard.

AMENDMENTS 9/9/99 64 FR 39016 (Amended)

### **R-2102C Fort McClellan, AL**

**Boundaries.** Beginning at lat. 33°45'00"N., long. 85°53'55"W.; to lat. 33°44'07"N., long. 85°53'36"W.; to lat. 33°44'07"N., long. 85°52'55"W.; to lat. 33°41'04"N., long. 85°52'55"W.; to lat. 33°40'15"N., long. 85°54'00"W.; to lat. 33°41'20"N., long. 85°55'30"W.; to lat. 33°41'20"N., long. 86°01'07"W.; to lat. 33°43'55"N., long. 86°01'07"W.; to lat. 33°44'11"N., long. 86°00'54"W.; to lat. 33°45'00"N., long. 86°00'45"W.; to lat. 33°45'20"N., long. 86°00'31"W.; to lat. 33°45'27"N., long. 86°00'16"W.; to lat. 33°45'27"N., long. 85°59'26"W.; to lat. 33°45'14"N., long. 85°59'26"W.; to lat. 33°45'14"N., long. 85°55'17"W.; to lat. 33°45'00"N., long. 85°55'17"W.; to the point of beginning.

**Designated altitudes.** 14,000 feet MSL to 24,000 feet MSL.

**Time of designation.** Intermittent, 0600-2200 local time, daily; other times by NOTAM 6 hours in advance.

**Controlling agency.** FAA, Atlanta ARTCC.

**Using agency.** Alabama Army National Guard.

AMENDMENTS 9/9/99 64 FR 39016 (Amended)

### **R-2103A Fort Rucker, AL**

**Boundaries.** A circular area with a radius of 4 miles centered at lat. 31°26'56"N., long. 85°47'45"W.

**Designated altitudes.** Surface to but not including 10,000 feet. MSL.

**Time of designation.** Continuous.

**Controlling agency.** U.S. Army, Cairns Approach Control.

**Using agency.** Commanding General, U.S. Army Aviation Center, Fort Rucker, AL.

AMENDMENTS 8/15/96 61 FR 30508 (Added)

### **R-2103B Fort Rucker, AL**

**Boundaries.** A circular area with a radius of 4 miles centered at lat. 31°26'56"N., long. 85°47'45"W.

**Designated altitudes.** 10,000 feet MSL to 15,000 feet MSL.

**Time of designation.** By NOTAM 6 hours in advance.

**Controlling agency.** FAA, Jacksonville ARTCC.

**Using agency.** Commanding General, U.S. Army Aviation Center, Fort Rucker, AL.

AMENDMENTS 8/15/96 61 FR 30508 (Added)

#### **R-2104A Huntsville, AL**

**Boundaries.** Beginning at lat. 34°38'40"N., long. 86°43'00"W.; to lat. 34°38'40"N., long. 86°41'00"W.; to lat. 34°38'00"N., long. 86°40'53"W.; to lat. 34°37'35"N., long. 86°37'40"W.; to lat. 34°37'00"N., long. 86°37'00"W.; to lat. 34°36'27"N., long. 86°36'38"W.; to lat. 34°34'50"N., long. 86°36'38"W.; thence west along the Tennessee River to lat. 34°35'02"N., long. 86°43'25"W.; to lat. 34°37'19"N., long. 86°43'20"W.; to lat. 34°37'19"N., long. 86°43'05"W.; thence to the point of beginning.

**Designated altitudes.** Surface to 12,000 feet MSL.

**Time of designation.** Intermittent, 0600-2000 local time, Monday-Saturday; other times by NOTAM 6 hours in advance.

**Controlling agency.** FAA, Memphis ARTCC.

**Using agency.** Commanding General, U. S. Army Missile Command, Redstone Arsenal, AL.

AMENDMENTS 8/15/96 61 FR 31021 (Amended)

#### **R-2104B Huntsville, AL**

**Boundaries.** Beginning at lat. 34°38'53"N., long. 86°37'40"W.; to lat. 34°37'55"N., long. 86°35'21"W.; to lat. 34°35'05"N., long. 86°35'24"W.; thence west along the Tennessee River to lat. 34°34'50"N., long. 86°36'38"W.; to lat. 34°36'27"N., long. 86°36'38"W.; to lat. 34°37'00"N., long. 86°37'00"W.; thence to the point of beginning.

**Designated altitudes.** Surface to 2,400 feet MSL.

**Time of designation.** Continuous.

**Controlling agency.** FAA, Memphis ARTCC.

**Using agency.** Commanding General, U. S. Army Missile Command, Redstone Arsenal, AL.

AMENDMENTS 2/7/91 55 FR 50675 (Amended)

#### **R-2104C Huntsville, AL**

**Boundaries.** Beginning at lat. 34°41'25"N., long. 86°42'57"W.; to lat. 34°42'00"N., long. 86°41'35"W.; to lat. 34°38'40"N., long. 86°41'00"W.; to lat. 34°38'40"N., long. 86°43'00"W., thence to the point of beginning.

**Designated altitudes.** Surface to 12,000 feet MSL.

**Time of designation.** Intermittent, 0600-2000 local time, Monday-Saturday; other times by NOTAM 6 hours in advance.

**Controlling agency.** FAA, Memphis ARTCC.

**Using agency.** Commanding General, U. S. Army Missile Command, Redstone Arsenal, AL.

AMENDMENTS 8/15/96 61 FR 31021 (Amended)

### **R-2104D Huntsville, AL**

**Boundaries.** Beginning at lat. 34°38'40"N., long. 86°43'00"W.; to lat. 34°38'40"N., long. 86°41'00"W.; to lat. 34°38'00"N., long. 86°40'53"W.; to lat. 34°37'35"N., long. 86°37'40"W.; to lat. 34°37'00"N., long. 86°37'00"W.; to lat. 34°36'27"N., long. 86°36'38"W.; to lat. 34°34'50"N., long. 86°36'38"W.; thence west along the Tennessee River to lat. 34°35'02"N., long. 86°43'25"W.; to lat. 34°37'19"N., long. 86°43'20"W.; to lat. 34°37'19"N., long. 86°43'05"W.; thence to the point of beginning.

**Designated altitudes.** 12,000 feet MSL to FL 300.

**Time of designation.** By NOTAM 6 hours in advance.

**Controlling agency.** FAA, Memphis ARTCC.

**Using agency.** Commanding General, U.S. Army Missile Command, Redstone Arsenal, AL.

AMENDMENTS 8/15/96 61 FR 31021 (Added)

### **R-2104E Huntsville, AL**

**Boundaries.** Beginning at lat. 34°41'25"N., long. 86°42'57"W.; to lat. 34°42'00"N., long. 86°41'35"W.; to lat. 34°38'40"N., long. 86°41'00"W.; to lat. 34°38'40"N., long. 86°43'00"W.; thence to the point of beginning.

**Designated altitudes.** 12,000 feet MSL to FL 300.

**Time of designation.** By NOTAM 6 hours in advance.

**Controlling agency.** FAA, Memphis ARTCC.

**Using agency.** Commanding General, U.S. Army Missile Command, Redstone Arsenal, AL.

AMENDMENTS 8/15/96 61 FR 31021 (Added)

## **§73.22 Alaska**

### **R-2202A Big Delta, AK**

**Boundaries.** Beginning at lat. 64°03'34"N., long. 146°10'58"W.; to lat. 63°56'16"N., long. 145°49'38"W.; to lat. 63°54'19"N., long. 145°50'28"W.; to lat. 63°50'29"N., long. 145°50'08"W.; to lat. 63°42'59"N., long. 145°54'09"W.; to lat. 63°42'14"N., long. 146°13'34"W.; to lat. 63°43'59"N., long. 146°30'08"W.; to lat. 63°45'23"N., long. 146°11'38"W.; thence to the point of beginning.

**Designated altitudes.** Surface to but not including 10,000 feet MSL.

**Time of designation.** 0700 to 1800 Monday-Friday; other times by NOTAM.

**Controlling agency.** FAA, Anchorage ARTCC.

**Using agency.** U.S. Army, Commander, Cold Regions Test Center, Fort Greely, AK.

AMENDMENTS 3/15/07 71 FR 70466 (Amended)

### **R-2202B Big Delta, AK**

**Boundaries.** Beginning at lat. 64°14'44"N., long. 146°43'23"W.; to lat. 64°03'34"N., long. 146°10'58"W.; to lat. 63°45'23"N., long. 146°11'38"W.; to lat. 63°43'59"N., long. 146°30'08"W.; to lat. 63°50'49"N., long. 146°47'38"W.; thence along the east bank of the East Fork and Little Delta Rivers to the point of beginning.

**Designated altitudes.** Surface to but not including 10,000 feet MSL.

**Time of designation.** 0700-1800 Monday-Friday; other times by NOTAM.

**Controlling agency.** FAA, Anchorage ARTCC.

**Using agency.** U.S. Army, Commander, Cold Regions Test Center, Fort Greely, AK.

AMENDMENTS 3/15/07 71 FR 70466 (Amended)

### **R-2202C Big Delta, AK**

**Boundaries.** Beginning at lat. 64°14'44"N., long. 146°43'23"W.; to lat. 64°03'34"N., long. 146°10'58"W.; to lat. 63°56'16"N., long. 145°49'38"W.; to lat. 63°54'19"N., long. 145°50'28"W.; to lat. 63°50'29"N., long. 145°50'08"W.; to lat. 63°42'59"N., long. 145°54'09"W.; to lat. 63°42'14"N., long. 146°13'34"W.; to lat. 63°43'59"N., long. 146°30'08"W.; to lat. 63°50'49"N., long. 146°47'38"W.; thence along the east bank of the East Fork and Little Delta Rivers to the point of beginning.

**Designated altitudes.** 10,000 feet MSL to and including FL 310.

**Time of designation.** Intermittent by NOTAM.

**Controlling agency.** FAA, Anchorage ARTCC.

**Using agency.** U.S. Army, Commander, Cold Regions Test Center, Fort Greely, AK.

AMENDMENTS 3/15/07 71 FR 70466 (Amended)

### **R-2202D Big Delta, AK**

**Boundaries.** Beginning at lat. 64°14'44"N., long. 146°43'23"W.; to lat. 64°03'34"N., long. 146°10'58"W.; to lat. 63°56'16"N., long. 145°49'38"W.; to lat. 63°54'19"N., long. 145°50'28"W.; to lat. 63°50'29"N., long. 145°50'08"W.; to lat. 63°42'59"N., long. 145°54'09"W.; to lat. 63°42'14"N., long. 146°13'34"W.; to lat. 63°43'59"N., long. 146°30'08"W.; to lat. 63°50'49"N., long. 146°47'38"W.; thence along the east bank of the East Fork and Little Delta Rivers to the point of beginning.

**Designated altitudes.** Above FL 310 to unlimited.

**Time of designation.** Intermittent by NOTAM.

**Controlling agency.** FAA, Anchorage ARTCC.

**Using agency.** U.S. Army, Commander, Cold Regions Test Center, Fort Greely, AK.

AMENDMENTS 3/15/07 71 FR 70466 (Amended)

### **R-2203A Eagle River, AK**

**Boundaries.** Beginning at lat. 61°21'58"N., long. 149°33'56"W.; thence southwesterly along the Alaska Railroad to lat. 61°17'58"N., long. 149°39'53"W.; to lat. 61°17'58"N., long. 149°44'08"W.; to lat. 61°17'13"N., long. 149°42'33"W.; to lat. 61°17'13"N., long. 149°36'23"W.; to the point of beginning.

**Designated altitudes.** Surface to 11,000 feet MSL.

**Time of designation.** 0500-2400 Monday - Friday; other times by NOTAM at least 24 hours in advance.

**Controlling agency.** FAA, Anchorage Approach Control.

**Using agency.** U.S. Army, Commander, Fort Richardson, AK.

AMENDMENTS 12/5/96 61 FR 53852 (Amended)

### **R-2203B Eagle River, AK**

**Boundaries.** Beginning at lat. 61°24'32"N., long. 149°33'56"W.; thence southwesterly along the shoreline to lat. 61°19'43"N., long. 149°44'08"W.; to lat. 61°17'58"N., long. 149°44'08"W.; to lat. 61°17'58"N., long. 149°39'53"W.; thence northeasterly along the Alaskan Railroad to lat. 61°21'58"N., long. 149°33'56"W; to the point of beginning.

**Designated altitudes.** Surface to 11,000 feet MSL.

**Time of designation.** 0500-2400 Monday - Friday; other times by NOTAM at least 24 hours in advance.

**Controlling agency.** FAA, Anchorage Approach Control.

**Using agency.** U.S. Army, Commander, Fort Richardson, AK.

AMENDMENTS 12/5/96 61 FR 53852 (Amended)

### **R-2203C Eagle River, AK**

**Boundaries.** Beginning at lat. 61°19'43"N., long. 149°44'08"W.; thence westerly along the shoreline to lat. 61°19'36"N., long. 149°46'44"W.; to lat. 61°19'10"N., long. 149°46'44"W.; to lat. 61°17'58"N., long. 149°44'08"W.; to the point of beginning.

**Designated altitudes.** Surface to 5,000 feet MSL.

**Time of designation.** 0500-2400 Monday - Friday; other times by NOTAM at least 24 hours in advance.

**Controlling agency.** FAA, Anchorage Approach Control.

**Using agency.** U.S. Army, Commander, Fort Richardson, AK.

AMENDMENTS 12/5/96 61 FR 53852 (Amended)

### **R-2204 Oliktok Point High, AK**

**Boundaries.** Within a 2 NM radius centered at lat. 70°30'35"N., long. 149°51'33"W.

**Designated altitudes.** 1,500 feet MSL to, but not including, 7,000 feet MSL.

**Time of designation.** By NOTAM, 24 hours in advance, not to exceed 30 days annually.

**Controlling agency.** FAA, Anchorage ARTCC.

**Using agency.** Department of Energy, Office of Science, Washington, DC.

AMENDMENTS 07/31/08 73 FR 21246 (Added)

### **R-2204 Oliktok Point Low, AK**

**Boundaries.** Within a 2 NM radius centered at lat. 70°30'35"N., long. 149°51'33"W.

**Designated altitudes.** Surface to, but not including, 1,500 feet MSL.

**Time of designation.** By NOTAM, 24 hours in advance, not to exceed 30 days annually.

**Controlling agency.** FAA, Anchorage ARTCC.

**Using agency.** Department of Energy, Office of Science, Washington, DC.

AMENDMENTS 07/31/08 73 FR 21246 (Added)

### **R-2205 Stuart Creek, AK**

**Boundaries.** Beginning at lat. 64°45'29"N., long. 146°47'29"W.; counterclockwise along the arc of a 25-mile radius circle centered at lat. 64°50'11"N., long. 147°36'55"W.; to lat. 64°46'11"N., long. 146°46'49"W.; to lat. 64°46'09"N., long. 146°11'24"W.; to lat. 64°35'17"N., long. 146°11'24"W.; to lat. 64°33'23"N., long. 146°18'39"W.; to lat. 64°33'24"N., long. 146°25'09"W.; to the point of beginning.

**Designated altitudes.** Surface to 20,000 feet MSL.

**Time of designation.** 0700-1900, local time Monday-Friday; other times by NOTAM.

**Controlling agency.** FAA, Fairbanks Approach Control.

**Using agency.** U.S. Army, Commander, Fort Richardson, AK.

AMENDMENTS 4/9/87 52 FR 4130 (Amended)

### **R-2206 Clear, AK**

**Boundaries.** Beginning at lat. 64°19'44"N., long. 149°10'17"W.; to lat. 64°19'44"N., long. 149°15'42"W.; to lat. 64°16'17"N., long. 149°15'42"W.; to lat. 64°16'17"N., long. 149°10'14"W.; thence north, 100 feet west of and parallel to the Alaska Railroad to the point of beginning.

**Designated altitudes.** Surface to 8,800 feet MSL.

**Time of designation.** Continuous.

**Using agency.** Commander 13th Missile Warning Squadron, Clear, AK.

### **R-2211 Blair Lakes, AK**

**Boundaries.** Beginning at lat. 64°29'58"N., long. 147°44'09"W.; to lat. 64°19'58"N., long. 147°19'09"W.; to lat. 64°13'28"N., long. 147°32'08"W.; to lat. 64°22'28"N., long. 147°58'09"W.; to the point of beginning.

**Time of designation.** 0800 to 1800, local Monday through Friday, other times by NOTAM.

**Designated altitude.** Surface to FL310.

**Controlling agency.** FAA, Fairbanks Approach Control.

**Using agency.** U.S. Air Force, 354th Fighter Wing, Eielson AFB, AK.

AMENDMENTS 09/01/05 70 FR 34650 (Amended)

Corr: 70 FR 38740

## **§73.23 Arizona**

### **R-2301E Ajo East, AZ**

**Boundaries.** Beginning at lat. 32°50'25"N., long. 112°49'03"W.; thence to lat. 32°11'30"N., long. 112°56'48"W.; to lat. 32°11'30"N., long. 113°05'33"W.; to lat. 31°58'00"N., long. 113°05'33"W.; along the United States-Mexican border to the intersection of the United States-Mexican border and long. 113°30'33"W.; to lat. 32°44'15"N., long. 113°41'08"W.; to lat. 32°45'50"N., long. 113°34'33"W.; to the point of beginning.

**Designated altitudes.** Surface to FL 800.

**Time of designation.** Daily, 0630-2400 local time, other times by NOTAM.

**Controlling agency.** FAA, Albuquerque ARTCC.

**Using agency.** U.S. Air Force, 56th Fighter Wing, Luke AFB, AZ.

AMENDMENTS 2/19/04 68 FR 64525 (Amended)

### **R-2301W Ajo West, AZ**

**Boundaries.** Beginning at the intersection of the United States-Mexican Border and long. 113°30'33"W.; thence along the United States-Mexican Border to lat. 32°23'45"N., long. 114°28'33"W.; to lat. 32°30'00"N., long. 114°28'33"W.; to lat. 32°30'00"N., long. 114°31'03"W.; to lat. 32°35'00"N., long. 114°31'03"W.; to lat. 32°35'00"N., long. 114°28'33"W.; to lat. 32°39'40"N., long. 114°28'33"W.; to lat. 32°40'45"N., long. 114°18'32"W.; thence along the Southern Pacific Railroad and U.S. Highway to lat.

32°44'15"N., long. 113°41'08"W.; to the point of beginning; excluding that airspace below 3,000 feet MSL, N of a line beginning at lat. 32°40'45"N., long. 114°18'32"W.; to lat. 32°37'40"N., long. 114°12'43"W.; to lat. 32°37'40"N., long. 114°09'03"W.; to lat. 32°42'30"N., long. 113°45'03"W.; to lat. 32°44'15"N., long. 113°41'08"W.

**Designated altitudes.** Surface to FL 800.

**Time of designation.** Continuous.

**Controlling agency.** FAA, Los Angeles ARTCC.

**Using agency.** Commanding Officer, USMC Air Station, Yuma, AZ.

AMENDMENTS 1/23/03 67 FR 67788 (Amended)

### **R-2302 Flagstaff, AZ**

**Boundaries.** A circular area with a 6,600-foot radius centered at lat. 35°10'20"N., long. 111°51'19"W.

**Designated altitudes.** Surface to 10,000 feet MSL.

**Time of designation.** 0800 to 2400 MST, Monday-Saturday.

**Controlling agency.** FAA, Albuquerque ARTCC.

**Using agency.** U.S. Army, Commander, Navajo Ordnance Depot, Flagstaff, AZ.

AMENDMENTS 6/23/94 59 FR 19634 (Amended)

### **R-2303A Fort Huachuca, AZ**

**Boundaries.** Beginning at lat. 31°40'40"N., long. 110°11'02"W.; to lat. 31°34'00"N., long. 110°08'32"W.; to lat. 31°34'00"N., long. 110°22'02"W.; to lat. 31°33'00"N., long. 110°23'02"W.; to lat. 31°29'00"N., long. 110°23'02"W.; to lat. 31°29'00"N., long. 110°41'32"W.; to lat. 31°34'00"N., long. 110°43'32"W.; to lat. 31°38'30"N., long. 110°42'02"W.; to lat. 31°38'30"N., long. 110°39'32"W.; to lat. 31°41'00"N., long. 110°33'32"W.; to lat. 31°41'00"N., long. 110°12'02"W.; to the point of beginning.

**Designated altitudes.** Surface to 15,000 feet MSL, excluding the airspace from the surface to 7,000 feet MSL within a 3-nautical-mile radius of the Fort Huachuca/Libby AAF/Sierra Vista Municipal Airport, AZ, and excluding the airspace from the surface to 7,000 feet MSL within 1-nautical-mile either side of U. S. Highway 90.

**Time of designation.** Monday-Friday, 0700-1700 local time; other times by NOTAM at least 24 hours in advance.

**Controlling agency.** FAA, Albuquerque ARTCC.

**Using agency.** U.S. Army Intelligence Center, Fort Huachuca, AZ.

AMENDMENTS 9/4/03 68 FR 25495 (Amended)

### **R-2303B Fort Huachuca, AZ**

**Boundaries.** Beginning at lat. 31°45'00"N., long. 110°20'02"W.; to lat. 31°41'00"N., long. 110°12'02"W.; to lat. 31°40'40"N., long. 110°11'02"W.; to lat. 31°34'00"N., long. 110°08'32"W.; to lat. 31°34'00"N., long. 110°22'02"W.; to lat. 31°33'00"N., long.



110°23'02"W.; to lat. 31°29'00"N., long. 110°23'02"W.; to lat. 31°29'00"N., long. 110°25'02"W.; to lat. 31°24'00"N., long. 110°25'02"W.; to lat. 31°24'00"N., long. 110°45'02"W.; to lat. 31°45'00"N., long. 110°45'52"W.; to the point of beginning.

**Designated altitudes.** 8,000 feet MSL to FL 300, excluding that airspace within R-2303A when activated.

**Time of designation.** Monday-Friday, 0700-1700 local time; other times by NOTAM at least 24 hours in advance.

**Controlling agency.** FAA, Albuquerque ARTCC.

**Using agency.** U.S. Army Intelligence Center, Fort Huachuca, AZ.

AMENDMENTS 9/4/03 68 FR 25495 (Amended)

### **R-2303C Fort Huachuca, AZ**

**Boundaries.** Beginning at lat. 31°35'00"N., long. 110°00'02"W.; to lat. 31°24'00"N., long. 110°00'02"W.; to lat. 31°24'00"N., long. 110°25'02"W.; to lat. 31°29'00"N., long. 110°25'02"W.; to lat. 31°29'00"N., long. 110°23'02"W.; to lat. 31°33'00"N., long. 110°23'02"W.; to lat. 31°34'00"N., long. 110°22'02"W.; to lat. 31°34'00"N., long. 110°08'32"W.; to lat. 31°40'40"N., long. 110°11'02"W.; to the point of beginning.

**Designated altitudes.** 15,000 feet MSL to FL 300.

**Time of designation.** Intermittent by NOTAM at least 24 hours in advance.

**Controlling agency.** FAA, Albuquerque ARTCC.

**Using agency.** U.S. Army Intelligence Center, Fort Huachuca, AZ.

AMENDMENTS 9/14/95 60 FR 37329 (Added)

### **R-2304 Gila Bend, AZ**

**Boundaries.** Beginning at lat. 32°38'30"N., long. 112°18'03"W.; to lat. 32°26'40"N., long. 112°18'03"W.; to lat. 32°26'40"N., long. 112°43'33"W.; to lat. 32°49'00"N., long. 112°39'03"W.; to the point of beginning.

**Designated altitudes.** Surface to FL 240.

**Time of designation.** Monday – Saturday, 0630-2400 local time, other times by NOTAM.

**Controlling agency.** FAA, Albuquerque Center.

**Using agency.** U.S. Air Force, 56th Fighter Wing, Luke AFB, AZ.

AMENDMENTS 2/19/04 68 FR 64525 (Amended)

### **R-2305 Gila Bend, AZ**

**Boundaries.** Beginning at lat. 32°50'25"N., long. 112°49'0"W.; to lat. 32°50'52"N., long. 112°42'56"W.; to lat. 32°49'00"N., long. 112°39'03"W.; to lat. 32°29'00"N., long. 112°43'03"W.; to lat. 32°29'00"N., long. 112°53'33"W.; to the point of beginning.

**Designated altitudes.** Surface to FL 240.

**Time of designation.** Monday – Saturday, 0630-2400 local time, other times by NOTAM.

**Controlling agency.** FAA, Albuquerque Center.

**Using agency.** U.S. Air Force, 56th Fighter Wing, Luke AFB, AZ.

AMENDMENTS 2/19/04 68 FR 64525 (Amended)

### **R-2306A Yuma West, AZ**

**Boundaries.** Beginning at lat. 33°00'00"N., long. 114°30'03"W.; to lat. 33°02'48"N., long. 114°30'03"W.; to lat. 33°02'48"N., long. 114°34'03"W.; to lat. 33°15'00"N., long. 114°34'40"W.; to lat. 33°15'00"N., long. 114°15'03"W.; thence south along Highway 95; to lat. 33°00'00"N., long. 114°17'03"W.; to the point of beginning.

**Designated altitudes.** Surface to 80,000 feet MSL.

**Time of designation.** Continuous.

**Controlling agency.** FAA, Los Angeles ARTCC.

**Using agency.** U.S. Army, Commanding Officer, Yuma Proving Ground, Yuma, AZ.

AMENDMENTS 3/8/90 55 FR 610 (Amended)

Corr: 55 FR 5981

### **R-2306B Yuma West, AZ**

**Boundaries.** Beginning at lat. 33°28'00"N., long. 114°28'03"W.; to lat. 33°28'00"N., long. 114°26'28"W.; to lat. 33°25'15"N., long. 114°13'03"W.; thence south along Highway 95 to lat. 33°15'00"N., long. 114°15'03"W.; to lat. 33°15'00"N., long. 114°30'03"W.; to lat. 33°26'00"N., long. 114°30'03"W.; to the point of beginning.

**Designated altitudes.** Surface to 80,000 feet MSL.

**Time of designation.** Continuous.

**Controlling agency.** FAA, Los Angeles ARTCC.

**Using agency.** Commanding Officer, Yuma Proving Ground, Yuma, AZ.

AMENDMENTS 1/14/88 52 FR 38752 (Amended)

### **R-2306C Yuma West, AZ**

**Boundaries.** Beginning at lat. 33°15'00"N., long. 114°34'40"W.; to lat. 33°23'00"N., long. 114°34'40"W.; to lat. 33°26'00"N., long. 114°30'03"W.; to lat. 33°15'00"N., long. 114°30'03"W.; to the point of beginning.

**Designated altitude.** Surface to 40,000 feet MSL

**Times of use.** 0600 to 2200 daily local time, other times by NOTAM.

**Controlling agency.** FAA, Los Angeles ARTCC.

**Using agency.** Commanding Officer, Yuma Proving Ground, Yuma, AZ.

AMENDMENTS 11/25/04 69 FR 53795 (Amended)

Corr: 69 FR 53796

**R-2306D Yuma North, AZ**

**Boundaries.** Beginning at lat. 33°28'00"N., long. 114°26'28"W.; to lat. 33°28'00"N., long. 114°13'03"W.; thence south along Highway 95 to lat. 33°25'15"N., long. 114°13'03"W.; to the point of beginning.

**Designated altitudes.** Surface to FL 230.

**Time of designation.** Continuous.

**Controlling agency.** FAA, Los Angeles ARTCC

**Using agency.** U.S. Army, Yuma Proving Grounds, Yuma, AZ.

AMENDMENTS 1/14/88 52 FR 38752 (Added)

**R-2306E Yuma West, AZ**

**Boundaries.** Beginning at lat. 33°00'00"N., long. 114°30'03"W.; to lat. 33°00'00"N., long. 114°17'03"W.; thence south along Highway 95; to lat. 32°52'30"N., long. 114°21'03"W.; to lat. 32°51'45"N., long. 114°27'53"W.; thence north along the west bank of the Colorado River to the point of beginning.

**Designated altitudes.** Surface to 80,000 feet MSL.

**Time of designation.** Continuous.

**Controlling agency.** FAA, Los Angeles ARTCC.

**Using agency.** U.S. Army, Commanding Officer, Yuma Proving Ground, Yuma, AZ.

AMENDMENTS 3/8/90 55 FR 610 (Added)

Corr: 55 FR 5981

**R-2307 Yuma, AZ**

**Boundaries.** Beginning at lat. 33°00'00"N., long. 114°17'03"W.; to lat. 33°00'00"N., long. 114°11'03"W.; to lat. 33°02'00"N., long. 113°56'33"W.; to lat. 33°02'00"N., long. 113°37'23"W.; to lat. 32°58'00"N., long. 113°37'23"W.; to lat. 32°52'50"N., long. 113°50'13"W.; to lat. 32°52'00"N., long. 114°00'03"W.; to lat. 32°51'15"N., long. 114°21'03"W.; to lat. 32°52'30"N., long. 114°21'03"W.; thence north along Highway 95 to the point of beginning, excluding R-2309.

**Designated altitudes.** Unlimited.

**Time of designation.** Continuous.

**Controlling agency.** FAA, Los Angeles ARTCC.

**Using agency.** Commanding Officer, Yuma Proving Ground, Yuma, AZ.

AMENDMENTS 3/8/90 55 FR 610 (Amended)

**R-2308A Yuma East, AZ**

**Boundaries.** Beginning at lat. 33°25'15"N., long. 114°13'03"W.; to lat. 33°20'11"N., long. 113°47'45"W.; to lat. 33°17'30"N., long. 113°39'07"W.; to lat. 33°17'30"N., long. 113°45'03"W.; to lat. 33°02'00"N., long. 113°45'03"W.; to lat. 33°02'00"N., long.

113°56'33"W.; to lat. 33°00'00"N., long. 114°11'03"W.; to lat. 33°00'00"N., long. 114°17'03"W.; thence north along Highway 95 to the point of beginning, excluding R-2309.

**Designated altitudes.** 1,500 feet AGL to 80,000 feet MSL.

**Time of designation.** Continuous.

**Controlling agency.** FAA, Los Angeles ARTCC.

**Using agency.** Commanding Officer, Yuma Proving Ground, Yuma, AZ.

AMENDMENTS 3/8/90 55 FR 610 (Amended)

### **R-2308B Yuma East, AZ**

**Boundaries.** Beginning at lat. 33°02'00"N., long. 113°45'03"W.; to lat. 33°17'30"N., long. 113°45'03"W.; to lat. 33°17'30"N., long. 113°39'07"W.; to lat. 33°02'00"N., long.

113°39'07"W.; to the point of beginning.

**Designated altitudes.** Surface to 80,000 feet MSL.

**Time of designation.** Continuous.

**Controlling agency.** FAA, Los Angeles ARTCC.

**Using agency.** Commanding Officer, Yuma Proving Ground, Yuma, AZ.

### **R-2308C Yuma North, AZ**

**Boundaries.** Beginning at lat. 33°28'00"N., long. 114°13'03"W.; to lat. 33°20'11"N., long. 113°47'45"W.; to lat. 33°25'15"N., long. 114°13'03"W.; thence north along Highway 95 to the point of beginning.

**Designated altitudes.** 1,500 feet AGL to FL 230.

**Time of designation.** Continuous.

**Controlling agency.** FAA, Los Angeles ARTCC

**Using agency.** U.S. Army, Yuma Proving Grounds, Yuma, AZ

AMENDMENTS 1/14/88 52 FR 38752 (Added)

### **R-2309 Yuma, AZ**

**Boundaries.** A circular area 1 1/2 nautical miles in a radius centered at lat. 33°00'58"N., long. 114°14'34"W.

**Designated altitudes.** Surface to 15,000 feet MSL.

**Time of designation.** Continuous.

**Controlling agency.** FAA, Los Angeles ARTCC.

**Using agency.** U.S. Air Force, Western Air Defense Sector/DOS, McChord AFB, WA.

AMENDMENTS 3/30/95 60 FR 3742 (Amended)

**R-2310A Florence, AZ**

**Boundaries.** Beginning at lat. 33°14'07"N., long. 111°17'46"W.; to lat. 33°14'07"N., long. 111°14'54"W.; to lat. 33°04'45"N., long. 111°19'32"W.; to lat. 33°03'40"N., long. 111°22'42"W.; to lat. 33°09'41"N., long. 111°21'17"W.; to the point of beginning.

**Designated altitudes.** Surface to 10,000 feet MSL.

**Time of designation.** Intermittent by NOTAM at least 48 hours in advance.

**Controlling agency.** FAA, Albuquerque ARTCC.

**Using agency.** Arizona Army National Guard.

**R-2310B Florence, AZ**

**Boundaries.** Beginning at lat. 33°12'20"N., long. 111°19'11"W.; to lat. 33°12'20"N., long. 111°15'47"W.; to lat. 33°06'42"N., long. 111°18'34"W.; to lat. 33°06'42"N., long. 111°21'59"W.; to lat. 33°09'41"N., long. 111°21'17"W.; to the point of beginning.

**Designated altitudes.** 10,000 feet MSL to 17,000 feet MSL.

**Time of designation.** Intermittent by NOTAM at least 48 hours in advance.

**Controlling agency.** FAA, Albuquerque ARTCC.

**Using agency.** Arizona Army National Guard.

**R-2310C Florence, AZ**

**Boundaries.** Beginning at lat. 33°11'15"N., long. 111°20'02"W.; to lat. 33°11'15"N., long. 111°16'19"W.; to lat. 33°06'42"N., long. 111°18'34"W.; to lat. 33°06'42"N., long. 111°21'59"W.; to lat. 33°09'41"N., long. 111°21'17"W.; to the point of beginning.

**Designated altitudes.** 17,000 feet MSL to 35,000 feet MSL.

**Time of designation.** Intermittent by NOTAM at least 48 hours in advance.

**Controlling agency.** FAA, Albuquerque ARTCC.

**Using agency.** Arizona Army National Guard.

**R-2311 Yuma, AZ**

**Boundaries.** Beginning at lat. 32°46'48"N., long. 114°19'16"W.; to lat. 32°51'20"N., long. 114°19'04"W.; to lat. 32°51'53"N., long. 114°03'40"W.; to lat. 32°46'48"N., long. 114°03'51"W.; to the point of beginning.

**Altitudes.** Surface to 3,500 feet MSL.

**Time of designation.** Sunrise to sunset, Monday through Saturday; other times by NOTAM.

**Controlling Agency.** Yuma Approach Control (MCAS), Yuma, AZ.

**Using Agency.** Commanding Officer, Yuma Proving Ground, Yuma, AZ.

AMENDMENTS 7/17/97 62 FR 23345 (Added)

**R-2312 Fort Huachuca, AZ**

**Boundaries.** A 2-mile radius circle centered at lat. 31°29'07"N., long. 110°17'47"W.

**Designated altitudes.** Surface to but not including 15,000 feet MSL.

**Times of designation.** Continuous.

**Controlling agency.** Albuquerque ARTCC.

**Using agency.** U.S. Air Force, Western Air Defense Sector/DOS, McChord AFB, WA.

AMENDMENTS 3/15/07 72 FR 1437 (Revised)

## §73.24 Arkansas

### **R-2401A Fort Chaffee, AR**

**Boundaries.** Beginning at lat. 35°18'17"N., long. 94°12'01"W.; to lat. 35°17'45"N., long. 94°15'36"W.; to lat. 35°15'35"N., long. 94°18'01"W.; to lat. 35°13'50"N., long. 94°15'01"W.; to lat. 35°13'50"N., long. 94°12'01"W.; to the point of beginning.

**Designated altitudes.** Surface to and including 30,000 feet MSL.

**Time of designation.** Sunrise to sunset, Monday through Sunday; other times by NOTAM.

**Controlling agency.** FAA, Memphis ARTCC.

**Using agency.** U. S. Army, Commanding General, Fort Chaffee, AR.

AMENDMENTS 1/11/90 54 FR 48083 (Added)

### **R-2401B Fort Chaffee, AR**

**Boundaries.** Beginning at lat. 35°17'45"N., long. 94°15'36"W.; to lat. 35°17'37"N., long. 94°17'24"W.; to lat. 35°16'06"N., long. 94°19'04"W.; to lat. 35°15'35"N., long. 94°18'01"W.; to the point of beginning.

**Designated altitudes.** Surface to and including 30,000 feet MSL.

**Time of designation.** Sunrise to sunset, Monday through Sunday; other times by NOTAM.

**Controlling agency.** FAA, Memphis ARTCC.

**Using agency.** U. S. Army, Commanding General, Fort Chaffee, AR.

AMENDMENTS 1/11/90 54 FR 48083 (Added)

### **R-2402 Fort Chaffee, AR**

**Boundaries.** Beginning at lat. 35°18'09"N., long. 94°03'01"W.; to lat. 35°17'00"N., long. 94°03'01"W.; to lat. 35°17'00"N., long. 94°01'01"W.; to lat. 35°10'20"N., long. 94°01'01"W.; thence west along Arkansas State Highway No. 10 to lat. 35°11'33"N., long. 94°12'01"W.; to lat. 35°13'50"N., long.

94°12'01"W.; to lat. 35°18'10"N., long. 94°12'01"W.; to lat. 35°18'12"N., long. 94°09'52"W.; thence east along Arkansas State Highway No. 22 to the point of beginning.

**Designated altitudes.** Surface to and including 30,000 feet MSL.

**Time of designation.** Sunrise to sunset, Monday through Sunday; other times by NOTAM.

**Controlling agency.** FAA, Memphis ARTCC.

**Using agency.** Commanding General, Fort Chaffee, AR.

AMENDMENTS 1/11/90 54 FR 48083 (Amended)

#### **R-2403A Little Rock, AR**

**Boundaries.** Beginning at lat. 34°57'00"N., long. 92°16'01"W.; to lat. 34°54'33"N., long. 92°16'01"W.; to lat. 34°54'33"N., long. 92°19'31"W.; to lat. 34°57'00"N., long. 92°19'31"W.; to the point of beginning.

**Designated altitudes.** Surface to 16,000 feet MSL.

**Time of designation.** By NOTAM 24 hours in advance.

**Controlling agency.** FAA, Memphis ARTCC.

**Using agency.** Arkansas Army National Guard.

AMENDMENTS 2/2/95 59 FR 59134 (Amended)

#### **R-2403B Little Rock, AR**

**Boundaries.** Beginning at lat. 34°54'33"N., long. 92°15'01"W.; to lat. 34°51'45"N., long. 92°15'01"W.; to lat. 34°51'45"N., long. 92°19'31"W.; to lat. 34°54'33"N., long. 92°19'31"W.; to the point of beginning.

**Designated altitudes.** Surface to 16,000 feet MSL.

**Time of designation.** By NOTAM 24 hours in advance.

**Controlling agency.** FAA, Memphis ARTCC.

**Using agency.** Arkansas Army National Guard.

AMENDMENTS 2/2/95 59 FR 59134 (Amended)

### **§73.25 California**

#### **R-2501E Bullion Mountains East, CA**

**Boundaries.** Beginning at lat. 34°34'40"N., long. 115°54'58"W.; to lat. 34°33'00"N., long. 115°47'03"W.; to lat. 34°25'00"N., long.

115°47'03"W.; to lat. 34°25'00"N., long. 115°44'03"W.; to lat. 34°14'00"N., long.

115°44'03"W.; to lat. 34°14'00"N., long. 115°57'03"W.; to lat. 34°20'09"N., long.

115°59'06"W.; to lat. 34°27'30"N., long. 116°04'16"W.; to lat. 34°29'40"N., long.

115°58'15"W.; to lat. 34°34'00"N., long. 115°58'03"W.; to the point of beginning.

**Designated altitudes.** Unlimited.

**Time of designation.** Continuous.

**Controlling agency.** FAA, Los Angeles ARTCC.

**Using agency.** Commanding General Marine Corps Base, Twentynine Palms, CA.

**R-2501N Bullion Mountains North, CA**

**Boundaries.** Beginning at lat. 34°30'00"N., long. 116°26'23"W.; to lat. 34°36'00"N., long. 116°28'03"W.; to lat. 34°40'30"N., long. 116°29'43"W.; to lat. 34°43'00"N., long. 116°26'23"W.; to lat. 34°43'00"N., long. 116°17'03"W.; to lat. 34°41'15"N., long. 116°04'33"W.; to lat. 34°41'00"N., long. 116°03'03"W.; to lat. 34°35'30"N., long. 115°58'03"W.; to lat. 34°34'40"N., long. 115°54'58"W.; to lat. 34°34'00"N., long. 115°58'03"W.; to lat. 34°29'40"N., long. 115°58'15"W.; to lat. 34°27'30"N., long. 116°04'16"W.; to lat. 34°28'13"N., long. 116°12'23"W.; to lat. 34°32'00"N., long. 116°17'37"W.; to the point of beginning.

**Designated altitudes.** Unlimited.

**Time of designation.** Continuous.

**Controlling agency.** FAA, Los Angeles ARTCC.

**Using agency.** Commanding General, Marine Corps Base, Twentynine Palms, CA.

**R-2501S Bullion Mountains South, CA**

**Boundaries.** Beginning at lat. 34°28'13"N., long. 116°12'23"W.; to lat. 34°27'30"N., long. 116°04'16"W.; to lat. 34°20'09"N., long. 115°59'06"W.; to lat. 34°14'00"N., long. 115°57'03"W.; to lat. 34°14'00"N., long. 116°17'03"W.; to lat. 34°19'30"N., long. 116°20'29"W.; to lat. 34°19'30"N., long. 116°15'50"W.; to lat. 34°24'54"N., long. 116°17'55"W.; to the point of beginning.

**Designated altitudes.** Unlimited.

**Time of designation.** Continuous.

**Controlling agency.** FAA, Los Angeles ARTCC.

**Using agency.** Commanding General, Marine Corps Base, Twentynine Palms, CA.

**R-2501W Bullion Mountains West, CA**

**Boundaries.** Beginning at lat. 34°30'00"N., long. 116°26'23"W.; to lat. 34°32'00"N., long. 116°17'37"W.; to lat. 34°28'13"N., long. 116°12'23"W.; to lat. 34°24'54"N., long. 116°17'55"W.; to lat. 34°19'30"N., long. 116°15'50"W.; to lat. 34°19'30"N., long. 116°20'29"W.; to the point of beginning.

**Designated altitudes.** Unlimited.

**Time of designation.** Continuous.

**Controlling agency.** FAA, Los Angeles ARTCC.

**Using agency.** Commanding General, Marine Corps Base, Twentynine Palms, CA.



**R-2502A Fort Irwin, CA**

**Boundaries.** Beginning at lat. 35°25'48"N., long. 116°18'48"W.; to lat. 35°25'30"N., long. 116°09'46"W.; to lat. 35°23'15"N., long. 116°09'47"W.; to lat. 35°06'54"N., long. 116°30'17"W.; to lat. 35°07'00"N., long. 116°34'03"W.; to lat. 35°18'45"N., long. 116°18'48"W. to point of beginning.

**Designated altitudes.** Surface to 16,000 feet MSL.

**Time of designation.** Continuous.

**Controlling agency.** FAA, Hi-Desert TRACON, Edwards, CA.

**Using agency.** Commander, Fort Irwin, CA.

AMENDMENTS 12/17/09 74 FR 51076 (Added)

**R-2502E Fort Irwin, CA**

**Boundaries.** Beginning at lat. 35°28'35"N., long. 116°18'48"W.; to lat. 35°18'45"N., long. 116°18'48"W.; to lat. 35°07'00"N., long. 116°34'03"W.; to lat. 35°07'00"N., long. 116°47'48"W.; to lat. 35°08'50"N., long. 116°48'43"W.; to lat. 35°10'25"N., long. 116°42'18"W.; to the point of beginning.

**Designated altitudes.** Unlimited.

**Time of designation.** Continuous.

**Controlling agency.** FAA, Hi-Desert TRACON, Edwards, CA.

**Using agency.** Commander, Fort Irwin, CA.

AMENDMENTS 7/22/93 58 FR 27652 (Amended)

**R-2502N Fort Irwin, CA**

**Boundaries.** Beginning at lat. 35°37'45"N., long. 116°29'43"W.; to lat. 35°34'30"N., long. 116°29'43"W.; to lat. 35°34'30"N., long. 116°23'33"W.; to lat. 35°28'35"N., long. 116°18'48"W.; to lat. 35°10'25"N., long. 116°42'18"W.; to lat. 35°08'50"N., long. 116°48'43"W.; to lat. 35°10'00"N., long. 116°49'03"W.; to lat. 35°19'00"N., long. 116°49'03"W.; to lat. 35°19'00"N., long. 116°55'23"W.; to lat. 35°37'45"N., long. 116°55'23"W.; to the point of beginning.

**Designated altitudes.** Unlimited.

**Time of designation.** Continuous.

**Controlling agency.** FAA, Hi-Desert TRACON, Edwards, CA.

**Using agency.** Commander, Fort Irwin, CA.

AMENDMENTS 7/22/93 58 FR 27652 (Amended)

**R-2503A Camp Pendleton, CA**

**Boundaries.** Beginning at lat. 33°22'42"N., long. 117°36'45"W.; to lat. 33°27'13"N., long. 117°34'17"W.; to lat. 33°18'41"N., long. 117°23'58"W.; to lat. 33°17'30"N., long. 117°16'43"W.; to lat. 33°14'09"N., long. 117°26'38"W.; to the point of beginning by following a line 1 NM from and parallel to the shoreline.

**Designated altitudes.** Surface to 2,000 feet MSL.

**Time of designation.** 0600-2400 local time daily; other times by NOTAM.

**Controlling agency.** FAA, Los Angeles ARTCC.

**Using agency.** U.S. Marine Corps, Commanding General, MCB Camp Pendleton, CA.

AMENDMENTS 10/13/94 59 FR 46169 (Added)

### **R-2503B Camp Pendleton, CA**

**Boundaries.** Beginning at lat. 33°24'23"N., long. 117°15'18"W.; to lat. 33°18'00"N., long.

117°16'11"W.; to lat. 33°17'30"N., long.

117°16'43"W.; to lat. 33°18'41"N., long.

117°23'58"W.; to lat. 33°27'13"N., long. 117°34'17"W.; to lat. 33°30'13"N., long.

117°29'16"W.; to the point of beginning.

**Designated altitudes.** Surface to 15,000 feet MSL.

**Time of designation.** 0600-2400 local time daily; other times by NOTAM.

**Controlling agency.** FAA, Los Angeles ARTCC.

**Using agency.** U.S. Marine Corps, Commanding General, MCB Camp Pendleton, CA.

AMENDMENTS 10/13/94 59 FR 46169 (Added)

### **R-2503C Camp Pendleton, CA**

**Boundaries.** Beginning at lat. 33°24'23"N., long. 117°15'18"W.; to lat. 33°18'41"N., long.

117°23'58"W.; to lat. 33°27'13"N., long. 117°34'17"W.; to lat. 33°30'13"N., long.

117°29'16"W.; to the point of beginning.

**Designated altitudes.** 15,000 feet MSL to FL 270.

**Time of designation.** Intermittent by NOTAM at least 24 hours in advance, and with the concurrence of the controlling agency, not to exceed 40 hours annually.

**Controlling agency.** FAA, Los Angeles ARTCC.

**Using agency.** U.S. Marine Corps, Commanding General, MCB Camp Pendleton, CA.

AMENDMENTS 10/13/94 59 FR 46169 (Added)

### **R-2503D Camp Pendleton, CA**

**Boundaries.** Beginning at lat. 33°22'42"N.; long. 117°36'45"W.; to lat. 33°27'13"N.; long.

117°34'17"W.; to lat. 33°18'41"N.; long. 117°23'58"W.; to lat. 33°17'30"N.; long.

117°16'43"W.; to lat. 33°14'09"N.; long.

117°26'38"W.; to the point of the beginning by following a line 1 NM from and parallel to the shoreline.

**Designated altitudes.** 2,000 feet MSL to 11,000 feet MSL.

**Time of designation.** Intermittent by NOTAM 24 hours in advance not to exceed 20 days per year from 0600 to 2400 local time and not more than 90 days per year between 0001 and 0600 local.

**Controlling agency.** FAA, Southern California TRACON.

**Using agency.** U.S. Marine Corps, Commanding General, MCB Camp Pendleton, CA.

AMENDMENTS 11/25/04 69 53796 (Added)

### **R-2504 Camp Roberts, CA**

**Boundaries.** Beginning at lat. 35°42'18"N., long. 120°47'59"W.; to lat. 35°42'18"N., long. 120°47'24"W.; to lat. 35°42'58"N., long. 120°45'37"W.; to lat. 35°46'38"N., long. 120°44'42"W.; to lat. 35°47'18"N., long. 120°44'49"W.; to lat. 35°47'54"N., long. 120°45'53"W.; to lat. 35°49'10"N., long. 120°45'44"W.; to lat. 35°51'00"N., long. 120°46'29"W.; to lat. 35°51'11"N., long. 120°47'59"W.; to lat. 35°48'50"N., long. 120°50'02"W.; to lat. 35°46'00"N., long. 120°49'59"W.; to lat. 35°44'03"N., long. 120°48'12"W.; to lat. 35°43'08"N., long. 120°49'04"W.; to lat. 35°42'44"N., long. 120°48'52"W.; to the point of beginning.

**Designated altitudes.** Surface to 15,000 feet MSL.

**Time of designation.** 0600 to 2400 PST, daily.

**Controlling agency.** FAA, Oakland ARTCC.

**Using agency.** Commander, Camp Roberts, CA.

### **R-2505 China Lake, CA**

**Boundaries.** Beginning at lat. 36°14'00"N., long. 117°53'03"W.; to lat. 36°14'00"N., long. 117°25'03"W.; to lat. 35°40'30"N., long. 117°25'03"W.; to lat. 35°37'30"N., long. 117°35'33"W.; to lat. 35°37'30"N., long. 117°47'33"W.; to lat. 35°54'00"N., long. 117°53'03"W.; to the point of beginning.

**Designated altitudes.** Unlimited.

**Time of designation.** Continuous.

**Controlling agency.** FAA, Hi-Desert TRACON, Edwards, CA.

**Using agency.** U.S. Navy, Naval Air Warfare Center Weapons Division, China Lake, CA.

AMENDMENTS 7/22/93 58 FR 27652 (Amended)

### **R-2506 China Lake South, CA**

**Boundaries.** Beginning at lat. 35°37'30"N., long. 117°41'23"W.; to lat. 35°28'00"N., long. 117°40'53"W.; to lat. 35°28'00"N., long. 117°47'03"W.; to lat. 35°37'30"N., long. 117°47'33"W.; to the point of beginning.

**Designated altitudes.** Surface to 6,000 feet MSL.

**Time of designation.** Sunrise to sunset, Monday-Friday.

**Controlling agency.** FAA, Hi-Desert TRACON, Edwards, CA.

**Using agency.** U.S. Navy, Naval Air Warfare Center Weapons Division, China Lake, CA.

AMENDMENTS 7/22/93 58 FR 27652 (Amended)

### **R-2507E Chocolate Mountains, CA**

**Boundaries.** Beginning at lat. 33°17'06"N., long. 115°04'35"W., to lat. 33°14'26"N., long. 114°59'00"W., to lat. 33°14'26"N., long. 114°56'35"W., to lat. 33°10'21"N., long. 114°56'26"W., to lat. 33°08'45"N., long. 114°56'43"W.

**Designated altitudes.** Surface to FL 400.

**Time of designation.** 0700-2300 local daily; other times by NOTAM.

**Controlling agency.** FAA, Los Angeles ARTCC.

**Using agency.** Commanding Officer, USMC Air Station, Yuma, AZ.

AMENDMENTS 4/13/06 71 FR 2146 (Added)

### **R-2507N North Chocolate Mountains, CA**

**Boundaries.** Beginning at lat. 33°32'40"N., long. 115°33'53"W.; to lat. 33°31'30"N., long. 115°32'03"W.; to lat. 33°31'15"N., long. 115°26'48"W.; to lat. 33°29'00"N., long. 115°20'03"W.; to lat. 33°25'50"N., long. 115°14'33"W.; to lat. 33°24'15"N., long. 115°17'03"W.; to lat. 33°23'00"N., long. 115°14'33"W.; to lat. 33°14'00"N., long. 115°22'33"W.; to lat. 33°21'30"N., long. 115°32'58"W.; to lat. 33°23'40"N., long. 115°33'23"W.; to lat. 33°28'30"N., long. 115°42'13"W.; to the point of beginning.

**Designated altitudes.** Surface to FL 400.

**Time of designation.** Continuous.

**Controlling agency.** FAA, Los Angeles ARTCC.

**Using agency.** Commanding Officer, U. S. Marine Corps Air Station, Yuma, AZ.

### **R-2507S South Chocolate Mountains, CA**

**Boundaries.** Beginning at lat. 33°23'00"N., long. 115°14'33"W.; to lat. 33°21'40"N., long. 115°12'03"W.; to lat. 33°22'50"N., long. 115°10'01"W.; to lat. 33°08'45"N., long. 114°56'43"W.; to lat. 33°01'00"N., long. 115°06'03"W.; to lat. 33°14'00"N., long. 115°22'33"W.; thence to the point of beginning.

**Designated altitudes.** Surface to FL 400.

**Time of designation.** Continuous.

**Controlling agency.** FAA, Los Angeles ARTCC.

**Using agency.** Commanding Officer, U. S. Marine Corps Air Station, Yuma, AZ.

### **R-2508 Complex, CA**

**Boundaries.** Beginning at lat. 37°12'00"N., long. 117°20'03"W.; to lat. 35°34'00"N., long. 116°23'03"W.; to lat. 35°28'35"N., long. 116°18'48"W.; to lat. 35°18'45"N., long.

116°18'48"W.; to lat. 35°07'00"N., long. 116°34'03"W.; to lat. 35°07'00"N., long. 116°47'48"W.; to lat. 35°08'50"N., long. 116°48'43"W.; to lat. 35°06'30"N., long. 116°58'43"W.; to lat. 34°53'30"N., long. 117°11'53"W.; to lat. 34°50'20"N., long. 117°32'03"W.; to lat. 34°48'30"N., long. 117°32'03"W.; to lat. 34°48'00"N., long. 117°35'03"W.; to lat. 34°48'00"N., long. 118°01'03"W.; to lat. 34°49'40"N., long. 118°05'48"W.; to lat. 34°51'30"N., long. 118°05'48"W.; to lat. 34°56'00"N., long. 118°21'03"W.; to lat. 35°15'00"N., long. 118°35'03"W.; to lat. 37°12'00"N., long. 118°35'03"W.; to the point of beginning.

**Designated altitudes.** 20,000 feet MSL to unlimited.

**Time of designation.** Continuous.

**Controlling agency.** FAA, Hi-Desert TRACON, Edwards, CA.

**Using agency.** U.S. Navy, Naval Air Warfare Center Weapons Division, China Lake, CA.

AMENDMENTS 7/22/93 58 FR 27652 (Amended)

### **R-2510A El Centro, CA**

**Boundaries.** Beginning at lat. 32°59'35"N., long. 115°43'33"W.; to lat. 32°55'35"N., long. 115°40'18"W.; to lat. 32°54'04"N., long. 115°40'18"W.; thence counterclockwise along a 4.3-mile radius circle centered at lat. 32°49'45"N., long. 115°40'18"W.; to lat. 32°50'05"N., long. 115°45'23"W.; to lat. 32°50'05"N., long. 115°55'03"W.; to lat. 32°55'50"N., long. 115°55'03"W.; to lat. 33°01'20"N., long. 116°02'18"W.; to lat. 33°06'35"N., long. 115°56'53"W.; to lat. 33°06'35"N., long. 115°51'15"W.; to the point of beginning.

**Designated altitudes.** Surface to 15,000 feet MSL.

**Time of designation.** 0700-2300 local time daily; other times by NOTAM at least 24 hours in advance.

**Controlling agency.** FAA, Los Angeles ARTCC.

**Using agency.** Commanding Officer, U.S. Navy Fleet Area Control and Surveillance Facility, San Diego, CA.

AMENDMENTS 12/22/05 70 FR 54837 (Amended)

### **R-2510B El Centro, CA**

**Boundaries.** Beginning at lat. 32°55'35"N., long. 115°40'18"W.; to lat. 32°55'50"N., long. 115°55'03"W.; to lat. 33°01'20"N., long. 116°02'18"W.; to lat. 33°06'35"N., long. 115°56'53"W.; to lat. 33°06'35"N., long. 115°51'15"W.; to lat. 32°59'35"N., long. 115°43'33"W.; to the point of beginning.

**Designated altitudes.** 15,000 feet MSL to FL 400.

**Time of designation.** By NOTAM 0700-2300 local time weekends, when activated at least 24 hours in advance.

**Controlling agency.** FAA, Los Angeles ARTCC.

**Using agency.** Commanding Officer, U.S. Navy Fleet Area Control and Surveillance Facility, San Diego, CA.

AMENDMENTS 12/22/05 70 FR 54837 (Amended)

**R-2512 Holtville, CA**

**Boundaries.** Beginning at lat. 33°05'00"N., long. 115°17'33"W.; to lat. 33°00'00"N., long. 115°13'33"W.; to lat. 32°51'00"N., long. 115°05'33"W.; to lat. 32°51'00"N., long. 115°17'03"W.; to lat. 32°58'00"N., long. 115°17'33"W.; to lat. 33°05'00"N., long. 115°20'03"W.; to the point of beginning.

**Designated altitudes.** Surface to 23,000 feet MSL.

**Time of designation.** 0600-2300 local time daily; other times by NOTAM 24 hours in advance.

**Controlling agency.** FAA, Los Angeles ARTCC.

**Using agency.** U.S. Navy, Fleet Area Control and Surveillance Facility, San Diego, CA.

AMENDMENTS 12/10/92 57 FR 46980 (Amended)

**R-2513 Hunter-Liggett, CA**

**Boundaries.** From lat. 36°03'43"N., long. 121°22'42"W.; to lat. 36°02'45"N., long. 121°17'49"W.; to lat. 35°59'18"N., long. 121°13'34"W.; to lat. 35°56'45"N., long. 121°09'49"W.; to lat. 35°55'20"N., long. 121°05'49"W.; to lat. 35°48'17"N., long. 121°10'57"W.; to lat. 35°51'02"N., long. 121°16'19"W.; to lat. 35°51'02"N., long. 121°17'24"W.; to lat. 35°58'10"N., long. 121°23'44"W.; to lat. 35°58'10"N., long. 121°21'44"W.; to lat. 36°02'12"N., long. 121°24'44"W.; to the point of beginning.

**Designated altitudes.** Surface to FL 240.

**Time of designation.** Continuous.

**Controlling agency.** FAA, Oakland ARTCC.

**Using agency.** Commander, Fort Hunter-Liggett, CA.

AMENDMENTS 5/22/97 62 FR 11768 (Amended)

**R-2515 Muroc Lake, CA**

**Boundaries.** Beginning at lat. 35°19'00"N., long. 116°49'03"W.; to lat. 35°10'00"N., long. 116°49'03"W.; to lat. 35°08'50"N., long. 116°48'43"W.; to lat. 35°06'30"N., long. 116°58'43"W.; to lat. 34°53'30"N., long. 117°11'53"W.; to lat. 34°50'20"N., long. 117°32'03"W.; to lat. 34°48'30"N., long. 117°32'03"W.; to lat. 34°48'00"N., long. 117°35'03"W.; to lat. 34°48'00"N., long. 118°01'03"W.; to lat. 34°49'40"N., long. 118°05'48"W.; to lat. 35°01'00"N., long. 118°05'48"W.; to lat. 35°27'40"N., long. 117°26'03"W.; to lat. 35°15'56"N., long. 117°26'03"W.; to lat. 35°15'56"N., long. 116°55'23"W.; to lat. 35°19'00"N., long. 116°55'23"W.; to the point of beginning.

**Designated altitudes.** Unlimited.

**Time of designation.** Continuous.

**Controlling agency.** FAA, Hi-Desert TRACON, Edwards, CA.

**Using agency.** Commander, Air Force Flight Test Center, Edwards AFB, CA.

AMENDMENTS 7/22/93 58 FR 27652 (Amended)

**R-2516 Vandenberg AFB, CA**

**Boundaries.** Beginning at lat. 35°00'00"N., long. 120°42'04"W.; to lat. 34°54'00"N., long. 120°33'04"W.; to lat. 34°50'00"N., long. 120°32'04"W.; to lat. 34°46'00"N., long. 120°27'04"W.; to lat. 34°42'00"N., long. 120°30'04"W.; to lat. 34°38'35"N., long. 120°31'24"W.; to lat. 34°42'00"N., long. 120°34'34"W.; to lat. 34°42'00"N., long. 120°40'22"W.; thence 3 NM from and parallel to the shoreline to the point of beginning.

**Designated altitudes.** Unlimited.

**Time of designation.** Continuous.

**Controlling agency.** FAA, Los Angeles ARTCC.

**Using agency.** U.S. Air Force, Commander, 30th Space Wing (30 SPW/CC), Vandenberg AFB, CA.

AMENDMENTS 7/22/93 58 FR 29522 (Amended)

**R-2517 Vandenberg AFB, CA**

**Boundaries.** Beginning at lat. 34°42'00"N., long. 120°40'22"W.; to lat. 34°42'00"N., long. 120°34'34"W.; to lat. 34°38'35"N., long. 120°31'24"W.; to lat. 34°35'00"N., long. 120°32'04"W.; to lat. 34°25'00"N., long. 120°27'04"W.; to lat. 34°24'00"N., long. 120°30'04"W.; thence 3 NM from and parallel to the shoreline to the point of beginning.

**Designated altitudes.** Unlimited.

**Time of designation.** Continuous.

**Using agency.** U.S. Air Force, Commander, 30th Space Wing (30 SPW/CC), Vandenberg AFB, CA.

AMENDMENTS 9/16/93 58 FR 39649 (Amended)

**R-2519 Point Mugu, CA**

**Boundaries.** Beginning at lat. 34°07'15"N., long. 119°07'43"W.; to lat. 34°06'55"N., long. 119°06'03"W.; to lat. 34°04'15"N., long. 119°03'43"W.; to lat. 34°02'15"N., long. 119°04'23"W.; thence 3 nautical miles from and parallel to the shoreline to lat. 34°05'30"N., long. 119°13'03"W.; to lat. 34°05'55"N., long. 119°11'18"W.; to lat. 34°07'08"N., long. 119°09'35"W.; to the point of beginning.

**Designated altitudes.** Unlimited.

**Time of designation.** Continuous.

**Controlling agency.** FAA, Los Angeles ARTCC.

**Using agency.** U.S. Navy, Commander, Naval Air Warfare Center Weapons Division, Point Mugu, CA

AMENDMENTS 11/11/93 58 FR 45051 (Amended)

**R-2524 Trona, CA**

**Boundaries.** Beginning at lat. 35°47'46"N., long. 116°55'23"W.; to lat. 35°15'56"N., long. 116°55'23"W.; to lat. 35°15'56"N., long. 117°26'03"W.; to lat. 35°36'00"N., long. 117°26'03"W.; to lat. 35°36'00"N., long. 117°16'55"W.; to lat. 35°47'46"N., long. 117°16'55"W.; to the point of beginning.

**Designated altitudes.** Unlimited.

**Time of designation.** Continuous.

**Controlling agency.** FAA, Hi-Desert TRACON, Edwards, CA.

**Using agency.** U.S. Navy, Naval Air Warfare Center Weapons Division, China Lake, CA.

AMENDMENTS 9/16/93 58 FR 39649 (Amended)

**R-2530 Sierra Army Depot, CA**

**Boundaries.** Beginning at lat. 40°18'21"N., long. 120°05'10"W.; to lat. 40°18'21"N., long. 120°02'55"W.; to lat. 40°16'06"N., long. 120°02'55"W.; to lat. 40°16'06"N., long. 120°05'10"W.; to the point of beginning.

**Designated altitudes.** Surface to 8,600 feet MSL.

**Time of designation.** 0800 to 1800 PST, Monday-Friday; other times by NOTAM.

**Controlling agency.** FAA, Oakland ARTCC.

**Using agency.** Commanding Officer, Sierra Army Depot, Herlong, CA.

AMENDMENTS 5/22/97 62 FR 14633 (Amended)

**R-2531 Tracy, CA**

**Boundaries.** Beginning at lat. 37°40'34"N., long. 121°33'46"W.; to lat. 37°40'45"N., long. 121°31'33"W.; to lat. 37°39'28"N., long. 121°30'32"W.; to lat. 37°38'50"N., long. 121°31'09"W.; to lat. 37°39'03"N., long. 121°34'07"W.; thence to the point of beginning.

**Designated altitudes.** Surface to but not including 4,000 feet MSL.

**Time of designation.** 1000 to 2050 local time, Monday-Friday and occasionally on Saturday and Sunday when activated by NOTAM at least 24 hours in advance.

**Controlling agency.** FAA Northern California, TRACON.

**Using agency.** Department of Energy, Oakland Operations Office, CA.

CORRECTION TO CONTROLLING AGENCY

70 FR 44466

**R-2534A Vandenberg AFB, CA**

**Boundaries.** Beginning at lat. 34°38'35"N., long. 120°31'24"W.; to lat. 34°35'45"N., long. 120°28'14"W.; to lat. 34°36'20"N., long. 120°27'24"W.; to lat. 34°30'00"N., long.

120°15'34"W.; to lat. 34°25'10"N., long. 120°15'34"W.; thence 3 miles from and parallel to the shoreline to lat. 34°24'40"N., long. 120°19'14"W.; to the point of beginning.



**Designated altitudes.** 500 feet above the surface to unlimited.

**Time of designation.** Intermittent by NOTAM at least 4 hours in advance.

**Controlling agency.** FAA, Los Angeles ARTCC.

**Using agency.** U.S. Air Force, Commander, 30th Space Wing, Vandenberg, AFB, CA.

AMENDMENTS 11/28/02 67 FR 57942 (Amended)

**R-2534B Vandenberg AFB, CA**

**Boundaries.** Beginning at lat. 34°38'35"N., long. 120°31'24"W.; to lat. 34°24'40"N., long. 120°19'14"W.; to lat. 34°25'00"N., long. 120°27'04"W.; to lat. 34°35'00"N., long. 120°32'04"W.; to the point of beginning.

**Designated altitudes.** 500 feet above the surface to unlimited.

**Time of designation.** Intermittent by NOTAM at least 4 hours in advance.

**Controlling agency.** FAA, Los Angeles ARTCC.

**Using agency.** U.S. Air Force, Commander, 30th Space Wing, Vandenberg, AFB, CA.

AMENDMENTS 11/28/02 67 FR 57942 (Amended)

**R-2535A San Nicolas Island, CA**

**Boundaries.** Beginning at lat. 33°20'10"N., long. 119°31'13"W.; to lat. 33°18'18"N., long. 119°26'32"W.; to lat. 33°10'10"N., long. 119°31'13"W.; to lat. 33°12'00"N., long. 119°35'33"W.; to lat. 33°14'20"N., long. 119°37'43"W.; to lat. 33°16'40"N., long. 119°38'13"W.; to lat. 33°19'10"N., long. 119°37'13"W.; to the point of beginning.

**Designated altitudes.** Surface to 100,000 feet MSL.

**Time of designation.** 0600-2200 local time Monday-Friday; other times by NOTAM at least 24 hours in advance.

**Controlling agency.** FAA, Los Angeles ARTCC.

**Using agency.** U.S. Navy, Commander, Naval Air Warfare Center Weapons Division, Point Mugu, CA

AMENDMENTS 11/11/93 58 FR 45051 (Amended)

**R-2535B San Nicolas Island, CA**

**Boundaries.** Beginning at lat. 33°18'18"N., long. 119°26'32"W.; to lat. 33°17'40"N., long. 119°24'53"W.; to lat. 33°13'50"N., long. 119°21'53"W.; to lat. 33°10'10"N., long. 119°24'23"W.; to lat. 33°10'10"N., long. 119°29'43"W.; to lat. 33°10'10"N., long. 119°31'13"W.; to the point of beginning.

**Designated altitudes.** Surface to 100,000 feet MSL.

**Time of designation.** 0600-2200 local time Monday-Friday; other times by NOTAM at least 24 hours in advance.

**Controlling agency.** FAA, Los Angeles ARTCC.

**Using agency.** U.S. Navy, Commander, Naval Air Warfare Center Weapons Division, Point Mugu, CA

AMENDMENTS 11/11/93 58 FR 45051 (Amended)

## §73.26 Colorado

### R-2601A Fort Carson, CO

**Boundaries.** Beginning at lat. 38°38'19"N., long. 104°52'02"W.; to lat. 38°42'40"N., long. 104°49'06"W.; to lat. 38°41'20"N., long. 104°47'02"W.; to lat. 38°40'15"N., long. 104°46'22"W.; to lat. 38°40'00"N., long. 104°45'42"W.; to lat. 38°32'06"N., long. 104°45'02"W.; to lat. 38°25'35"N., long. 104°45'02"W.; to lat. 38°25'35"N., long. 104°49'02"W.; to lat. 38°26'10"N., long. 104°49'02"W.; to lat. 38°26'08"N., long. 104°57'32"W.; to lat. 38°29'35"N., long. 104°57'32"W.; thence northeast along Colorado Highway 115, to the point of beginning.

**Designated altitudes.** Surface to but not including 12,500 feet MSL.

**Time of designation.** 0500 to 2400 hours local Monday-Friday; other times by NOTAM 1 hour in advance.

**Controlling agency.** FAA, Denver ARTCC.

**Using agency.** Commanding General, Fort Carson, CO.

AMENDMENTS 3/27/97 62 FR 4141 (Added)

### R-2601B Fort Carson, CO

**Boundaries.** Beginning at lat. 38°38'19"N., long. 104°52'02"W.; to lat. 38°42'40"N., long. 104°49'06"W.; to lat. 38°41'20"N., long. 104°47'02"W.; to lat. 38°40'15"N., long. 104°46'22"W.; to lat. 38°40'00"N., long. 104°45'42"W.; to lat. 38°32'06"N., long. 104°45'02"W.; to lat. 38°25'35"N., long. 104°45'02"W.; to lat. at. 38°25'35"N., long. 104°49'02"W.; to lat. 38°26'10"N., long. 104°49'02"W.; to lat. 38°26'08"N., long. 104°57'32"W.; to lat. 38°29'35"N., long. 104°57'32"W.; thence northeast along Colorado Highway 115, to the point of beginning.

**Designated altitudes.** 12,500 feet MSL to but not including 22,500 feet MSL.

**Time of designation.** By NOTAM 1 hour in advance.

**Controlling agency.** FAA, Denver ARTCC.

**Using agency.** Commanding General, Fort Carson, CO.

AMENDMENTS 3/27/97 62 FR 4141 (Added)

**R-2601C Fort Carson, CO**

**Boundaries.** Beginning at lat. 38°38'19"N., long. 104°52'02"W.; to lat. 38°42'40"N., long. 104°49'06"W.; to lat. 38°41'20"N., long. 104°47'02"W.; to lat. 38°40'15"N., long. 104°46'22"W.; to lat. 38°40'00"N., long. 104°45'42"W.; to lat. 38°32'06"N., long. 104°45'02"W.; to lat. 38°25'35"N., long. 104°45'02"W.; to lat. 38°25'35"N., long. 104°49'02"W.; to lat. 38°26'10"N., long. 104°49'02"W.; to lat. 38°26'08"N., long. 104°57'32"W.; to lat. 38°29'35"N., long. 104°57'32"W.; thence northeast along Colorado Highway 115, to the point of beginning.

**Designated altitudes.** 22,500 feet MSL to but not including 35,000 MSL.

**Time of designation.** By NOTAM 24 hours in advance.

**Controlling agency.** FAA, Denver ARTCC.

**Using agency.** Commanding General, Fort Carson, CO.

AMENDMENTS 3/27/97 62 FR 4141 (Added)

**R-2601D Fort Carson, CO**

**Boundaries.** Beginning at lat. 38°38'19"N., long. 104°52'02"W.; to lat. 38°42'40"N., long. 104°49'06"W.; to lat. 38°41'20"N., long. 104°47'02"W.; to lat. 38°40'15"N., long. 104°46'22"W.; to lat. 38°40'00"N., long. 104°45'42"W.; to lat. 38°32'06"N., long. 104°45'02"W.; to lat. 38°25'35"N., long. 104°45'02"W.; to lat. 38°25'35"N., long. 104°49'02"W.; to lat. 38°26'10"N., long. 104°49'02"W.; to lat. 38°26'08"N., long. 104°57'32"W.; to lat. 38°29'35"N., long. 104°57'32"W.; thence northeast along Colorado Highway 115, to the point of beginning.

**Designated altitudes.** 35,000 feet MSL to but not including 60,000 feet MSL.

**Time of designation.** By NOTAM 24 hours in advance.

**Controlling agency.** FAA, Denver ARTCC.

**Using agency.** Commanding General, Fort Carson, CO.

AMENDMENTS 3/27/97 62 FR 4141 (Added)

**R-2602 Colorado Springs, CO**

**Boundaries.** Beginning at lat. 38°48'35"N., long. 104°32'05"W.; to lat. 38°48'35"N., long. 104°30'59"W.; to lat. 38°47'43"N., long. 104°30'58"W.; to lat. 38°47'43"N., long. 104°32'04"W.; to the point of beginning.

**Designated altitudes.** Surface to 1,000 feet AGL.

**Time of designation.** Continuous.

**Controlling agency.** FAA, Denver ARTCC.

**Using agency.** USAF Space Command, 2nd Space Wing, Schriever AFB, CO

AMENDMENTS 8/10/00 65 FR 35273 (Amended)

**§73.27 Connecticut****§73.28 Delaware****§73.29 Florida****R-2901A Avon Park, FL**

**Boundaries.** Beginning at lat. 27°44'46"N., long. 81°25'19"W.; to lat. 27°44'46"N., long. 81°11'39"W.; to lat. 27°35'01"N., long. 81°08'59"W.; to lat. 27°32'31"N., long. 81°07'29"W.; to lat. 27°29'01"N., long. 81°13'29"W.; to lat. 27°32'37"N., long. 81°16'46"W.; to lat. 27°32'33"N., long. 81°21'39"W.; to lat. 27°42'01"N., long. 81°25'19"W.; to the point of beginning.

**Designated altitudes.** Surface to and including 14,000 feet MSL.

**Time of designation.** Intermittent, 0600-2400 local time, Monday-Friday; 0800-1800 local time, Saturday-Sunday; other times by NOTAM 6 hours in advance.

**Controlling agency.** FAA, Miami ARTCC.

**Using agency.** Commander, MacDill AFB, FL.

AMENDMENTS 7/30/87 52 FR 21249 (Amended)

**R-2901B Avon Park, FL**

**Boundaries.** Beginning at lat. 27°44'46"N., long. 81°25'19"W.; to lat. 27°44'46"N., long. 81°11'39"W.; to lat. 27°35'01"N., long. 81°08'59"W.; to lat. 27°32'41"N., long. 81°12'19"W.; to lat. 27°32'33"N., long. 81°21'39"W.; to lat. 27°42'01"N., long. 81°25'19"W.; to the point of beginning.

**Designated altitudes.** 14,000 feet MSL to and including FL 180.

**Time of designation.** Intermittent, 0600-2400 local time, Monday-Friday; 0800-1800 local time, Saturday-Sunday; other times by NOTAM 6 hours in advance.

**Controlling agency.** FAA, Miami ARTCC.

**Using agency.** Commander, MacDill AFB, FL.

AMENDMENTS 7/30/87 52 FR 21249 (Amended)

**R-2901C Avon Park West, FL**

**Boundaries.** Beginning at lat. 27°44'46"N., long. 81°25'19"W.; to lat. 27°46'01"N., long. 81°25'19"W.; thence east along Florida State Routes 60 and 630 to lat. 27°48'31"N., long. 81°13'59"W.; to lat. 27°44'46"N., long. 81°13'59"W.; to the point of beginning.

**Designated altitudes.** Surface to 14,000 feet MSL.

**Time of designation.** Intermittent, 0600-2400 local time, Monday-Friday; 0800-1800 local time, Saturday-Sunday; other times by NOTAM 6 hours in advance.

**Controlling agency.** FAA, Miami ARTCC.

**Using agency.** Commander, MacDill AFB, FL.

AMENDMENTS 7/30/87 52 FR 21249 (Amended)

#### **R-2901D Avon Park, FL**

**Boundaries.** Beginning at lat. 27°46'01"N., long. 81°25'19"W.; to lat. 27°50'01"N., long. 81°25'19"W.; to lat. 27°50'01"N., long. 81°13'59"W.; to lat. 27°48'31"N., long. 81°13'59"W.; thence west along Florida State Routes 60 and 630 to the point of beginning.

**Designated altitudes.** 500 feet MSL to 4,000 feet MSL east of long. 81°21'00"W.; 1,000 feet AGL to 4,000 feet MSL west of long. 81°21'00"W.

**Time of designation.** Intermittent, 0600-2400 local time, Monday-Friday; 0800-1800 local time, Saturday-Sunday; other times by NOTAM 6 hours in advance.

**Controlling agency.** FAA, Miami ARTCC.

**Using agency.** Commander, MacDill AFB, FL.

AMENDMENTS 7/30/87 52 FR 21249 (Amended)

#### **R-2901E Avon Park, FL**

**Boundaries.** Beginning at lat. 27°50'01"N., long. 81°25'19"W.; to lat. 27°55'01"N., long. 81°25'19"W.; to lat. 28°00'01"N., long. 81°20'59"W.; to lat. 28°00'01"N., long. 81°13'59"W.; to lat. 27°50'01"N., long. 81°13'59"W.; to the point of beginning.

**Designated altitudes.** 1,000 feet MSL to 4,000 feet MSL.

**Time of designation.** Intermittent, 0600-2400 local time, Monday-Friday; 0800-1800 local time, Saturday-Sunday; other times by NOTAM 6 hours in advance.

**Controlling agency.** FAA, Miami ARTCC.

**Using agency.** Commander, MacDill AFB, FL.

AMENDMENTS 7/30/87 52 FR 21249 (Amended)

#### **R-2901F Avon Park, FL**

**Boundaries.** Beginning at lat. 27°32'33"N., long. 81°21'39"W.; to lat. 27°32'37"N., long. 81°16'46"W.; to lat. 27°29'01"N., long. 81°13'29"W.; to lat. 27°24'46"N., long. 81°10'59"W.; to lat. 27°30'46"N., long. 81°17'49"W.; to the point of beginning.

**Designated altitudes.** 4,000 feet MSL to 5,000 feet MSL.

**Time of designation.** Intermittent, 0600-2400 local time, Monday-Friday; 0800-1800 local time, Saturday-Sunday; other times by NOTAM 6 hours in advance.

**Controlling agency.** FAA, Miami ARTCC.

**Using agency.** Commander, MacDill AFB, FL.

AMENDMENTS 7/30/87 52 FR 21249 (Amended)

**R-2901G Avon Park, FL**

**Boundaries.** Beginning at lat. 27°29'01"N., long. 81°13'29"W.; to lat. 27°32'31"N., long. 81°07'29"W.; to lat. 27°29'31"N., long. 81°05'29"W.; to lat. 27°24'46"N., long. 81°10'59"W.; to the point of beginning.

**Designated altitudes.** Surface to 5,000 feet MSL.

**Time of designation.** Intermittent, 0600-2400 local time, Monday-Friday; 0800-1800 local time, Saturday-Sunday; other times by NOTAM 6 hours in advance.

**Controlling agency.** FAA, Miami ARTCC.

**Using agency.** Commander, MacDill AFB, FL.

AMENDMENTS 7/30/87 52 FR 21249 (Amended)

**R-2901H Avon Park, FL**

**Boundaries.** Beginning at lat. 27°24'46"N., long. 81°10'59"W.; to lat. 27°29'31"N., long. 81°05'29"W.; to lat. 27°21'01"N., long. 80°59'59"W.; to the point of beginning.

**Designated altitudes.** 1,000 feet MSL to 4,000 feet MSL.

**Time of designation.** Intermittent, 0600-2400 local time, Monday-Friday; 0800-1800 local time, Saturday-Sunday; other times by NOTAM 6 hours in advance.

**Controlling agency.** FAA, Miami ARTCC.

**Using agency.** Commander, MacDill AFB, FL.

AMENDMENTS 7/30/87 52 FR 21249 (Amended)

**R-2901I Avon Park, FL**

**Boundaries.** Beginning at lat. 27°24'46"N., long. 81°10'59"W.; to lat. 27°21'01"N., long. 80°59'59"W.; to lat. 27°16'46"N., long. 81°05'59"W.; to the point of beginning.

**Designated altitudes.** 1,500 feet MSL to 4,000 feet MSL.

**Time of designation.** Intermittent, 0600-2400 local time, Monday-Friday; 0800-1800 local time, Saturday-Sunday; other times by NOTAM 6 hours in advance.

**Controlling agency.** FAA, Miami ARTCC.

**Using agency.** Commander, MacDill AFB, FL.

AMENDMENTS 7/30/87 52 FR 21249 (Amended)

**R-2903A Stevens Lake, FL**

**Boundaries.** Beginning at lat. 29°58'06"N., long. 81°59'09"W.; to lat. 29°58'56"N., long. 81°59'32"W.; to lat. 29°58'56"N., long. 81°56'04"W.; to lat. 29°56'31"N., long. 81°52'59"W.; to lat. 29°55'32"N., long. 81°54'07"W.; thence clockwise along an arc of a circle 5 NM in radius centered at lat. 29°53'05"N., long. 81°59'08"W.; to lat. 29°48'27"N., long. 81°56'57"W.; to lat. 29°52'36"N., long. 82°01'39"W.; to lat. 29°53'46"N., long. 82°04'50"W.; thence clockwise along an arc of a circle 5 NM in radius centered at lat. 29°53'05"N., long. 81°59'08"W.; to the point of beginning.

**Designated altitudes.** Surface to but not including 23,000 feet MSL.

**Time of designation.** Intermittent, 0700-1900 local time, Tuesday-Sunday; other times by NOTAM at least 24 hours in advance.

**Controlling agency.** FAA, Jacksonville ARTCC.

**Using agency.** U.S. Army, Department of Military Affairs, State Arsenal, St. Augustine, FL.

AMENDMENTS 5/5/88 53 FR 8173 (Added)

#### **R-2903B Stevens Lake, FL**

**Boundaries.** Beginning at lat. 29°58'06"N., long. 81°59'09"W.; to lat. 29°58'56"N., long. 81°59'32"W.; to lat. 29°58'56"N., long. 81°56'04"W.; to lat. 29°56'31"N., long. 81°52'59"W.; to lat. 29°55'32"N., long. 81°54'07"W.; thence clockwise along an arc of a circle 5 NM in radius centered at lat. 29°53'05"N., long. 81°59'08"W.; to lat. 29°48'27"N., long. 81°56'57"W.; to lat. 29°52'36"N., long. 82°01'39"W.; to lat. 29°53'46"N., long. 82°04'50"W.; thence clockwise along an arc of a circle 5 NM in radius centered at lat. 29°53'05"N., long. 81°59'08"W.; to the point of beginning.

**Designated altitudes.** 23,000 feet MSL to 32,000 feet MSL.

**Time of designation.** Intermittent, 2000-0500 local time, Saturday-Sunday, activated by NOTAM at least 24 hours in advance; not to exceed 24 days per year.

**Controlling agency.** FAA, Jacksonville ARTCC.

**Using agency.** U.S. Army, Department of Military Affairs, State Arsenal, St. Augustine, FL.

AMENDMENTS 5/5/88 53 FR 8173 (Amended)

#### **R-2903C Stevens Lake, FL**

**Boundaries.** Beginning at lat. 29°52'31"N., long. 81°53'25"W.; to lat. 29°51'14"N., long. 81°50'56"W.; to lat. 29°47'01"N., long. 81°53'54"W.; to lat. 29°48'27"N., long. 81°56'57"W.; thence counterclockwise along the arc of a circle 5 NM in radius centered at lat. 29°53'05"N., long. 81°59'08"W.; to the point of beginning.

**Designated altitudes.** Surface to 7,000 feet MSL.

**Time of designation.** Intermittent, 0700-1900 local time, Tuesday-Sunday; other times by NOTAM at least 24 hours in advance.

**Controlling agency.** FAA, Jacksonville TRACON.

**Using agency.** U.S. Army, Department of Military Affairs, State Arsenal, St. Augustine, FL.

AMENDMENTS 5/5/88 53 FR 8173 (Added)

#### **R-2903D Stevens Lake, FL**

**Boundaries.** Beginning at lat. 29°51'14"N., long. 81°50'56"W.; to lat. 29°48'51"N., long. 81°46'09"W.; to lat. 29°44'51"N., long. 81°49'04"W.; to lat. 29°47'01"N., long. 81°53'54"W.; to the point of beginning.

**Designated altitudes.** Surface to 5,000 feet MSL.

**Time of designation.** Intermittent, 0700-1900 local time, Tuesday-Sunday; other times by NOTAM at least 24 hours in advance.

**Controlling agency.** FAA, Jacksonville TRACON.

**Using agency.** U.S. Army, Department of Military Affairs, State Arsenal, St. Augustine, FL.

AMENDMENTS 5/5/88 53 FR 8173 (Added)

#### **R-2904A Starke, FL**

**Boundaries.** Beginning at lat. 30°03'31"N., long. 81°55'39"W.; to lat. 29°58'56"N., long. 81°55'39"W.; to lat. 29°58'56"N., long. 82°02'45"W.; to lat. 30°03'31"N., long. 82°02'45"W.; to the point of beginning.

**Designated altitudes.** Surface to but not including 1,800 feet MSL.

**Time of designation.** April-August, daily 0800-1700 local time; September-March, Saturday-Sunday 0800-1700 local time; other times by NOTAM at least 24 hours in advance.

**Controlling agency.** FAA, Jacksonville TRACON.

**Using agency.** U.S. Army, Department of Military Affairs, State Arsenal, St. Augustine, FL.

AMENDMENTS 5/5/88 53 FR 8173 (Added)

#### **R-2905A Tyndall AFB, FL**

**Boundaries.** Beginning at lat. 30°01'31"N., long. 85°32'30"W.; to lat. 30°01'16"N., long. 85°30'00"W.; to lat. 29°56'01"N., long. 85°33'00"W.; thence 3 nautical miles from and parallel to the shoreline to lat. 29°59'01"N., long. 85°36'30"W.; to the point of beginning.

**Designated altitudes.** Surface to 10,000 feet MSL.

**Time of designation.** Intermittent, as announced by NOTAM, for periods of approximately 10 minutes during launch or recovery.

**Controlling agency.** Tyndall Radar Approach Control.

**Using agency.** 325 FW, Tyndall AFB, FL.

AMENDMENTS 3/27/97 62 FR 4140 (Amended)

#### **R-2905B Tyndall AFB, FL**

**Boundaries.** Beginning at lat. 30°01'16"N., long. 85°30'00"W.; to lat. 30°01'01"N., long. 85°27'00"W.; to lat. 29°54'01"N., long. 85°27'00"W.; thence 3 nautical miles from and parallel to the shoreline to lat. 29°56'01"N., long. 85°33'00"W.; to the point of beginning.

**Designated altitudes.** Surface to 10,000 feet MSL.

**Time of designation.** Intermittent, as announced by NOTAM, for periods of approximately 10 minutes during launch or recovery.

**Controlling agency.** Tyndall Radar Approach Control.

**Using agency.** 325 FW, Tyndall, AFB, FL.

AMENDMENTS 3/27/97 62 FR 4140 (Amended)



**R-2906 Rodman, FL**

**Boundaries.** A circle with a 5-nautical-mile radius centered at lat. 29°29'01"N., long. 81°45'59"W.; excluding the area east of the east bank of the St Johns River.

**Designated altitudes.** Surface to 14,000 feet MSL.

**Time of designation.** Intermittent, 0500-0100 local time, daily; other times by NOTAM 6 hours in advance.

**Controlling agency.** FAA, Jacksonville TRACON.

**Using agency.** Fleet Area Control and Surveillance Facility (FACSFAC JAX), NAS Jacksonville, FL.

AMENDMENTS 7/30/87 52 FR 21249 (Amended)

**R-2907A Lake George, FL**

**Boundaries.** Beginning at lat. 29°22'51"N., long. 81°31'19"W.; to lat. 29°12'31"N., long. 81°29'59"W.; to lat. 29°12'31"N., long. 81°38'29"W.; to lat. 29°15'06"N., long. 81°39'59"W.; to lat. 29°20'31"N., long. 81°39'59"W.; to lat. 29°23'00"N., long. 81°39'59"W.; to lat. 29°23'00"N., long. 81°39'04"W.; thence via a 5-nautical-mile arc centered at lat. 29°19'12"N., long. 81°35'14"W.; to the point of beginning.

**Designated altitudes.** Surface to FL 230.

**Time of designation.** Intermittent, 0500-0100 local time, daily; other times by NOTAM 6 hours in advance.

**Controlling agency.** FAA, Jacksonville ARTC Center.

**Using agency.** Jacksonville Operating Area Coordination Center (JOACC), NAS Jacksonville, FL.

AMENDMENTS 7/30/87 52 FR 21249 (Amended)

**R-2907B Lake George, FL**

**Boundaries.** Beginning at lat. 29°20'06"N., long. 81°39'59"W.; to lat. 29°15'06"N., long. 81°39'59"W.; to lat. 29°15'06"N., long. 81°51'49"W.; to lat. 29°20'06"N., long. 81°51'49"W.; to the point of beginning.

**Designated altitudes.** Surface to 9,000 feet MSL from a line of long. 81°39'59"W., to a line of long. 81°42'54"W.; surface to 6,000 feet MSL from a line of long. 81°42'54"W., to a line of long. 81°51'49"W.

**Time of designation.** Intermittent, 0500-0100 local time, daily; other times by NOTAM 6 hours in advance.

**Controlling agency.** FAA, Jacksonville ARTCC.

**Using agency.** Fleet Area Control and Surveillance Facility (FACSFAC JAX), NAS Jacksonville, FL.

AMENDMENTS 7/30/87 52 FR 21249 (Amended)

**R-2908 Pensacola, FL**

**Boundaries.** Bounded on the N by the Alabama-Florida shoreline; on the E by a line extending from lat. 30°15'01"N., long. 87°41'00"W.; to lat. 30°11'21"N., long. 87°44'15"W.; on the S by a line 3 nautical miles from and parallel to the Alabama-Florida shoreline; and on the W by long. 88°01'30"W.

**Designated altitudes.** Surface to 12,000 feet MSL.

**Time of designation.** November-December, Monday-Friday, 0800-1600 local time; other times by NOTAM 24 hours in advance.

**Controlling agency.** FAA, Pensacola TRACON.

**Using agency.** U.S. Navy Flight Demonstration Squadron, Pensacola NAS, FL.

AMENDMENTS 5/20/99 64 FR 13506 (Amended)

**R-2910 Pinecastle, FL**

**Boundaries.** A circle within a 5-nautical-mile radius centered at lat. 29°06'53"N., long. 81°42'54"W.; with a northwest extension to the circle beginning at lat. 29°07'58"N., long. 81°48'29"W.; to lat. 29°10'01"N., long. 81°50'34"W.; to lat. 29°14'01"N., long. 81°45'49"W.; to lat. 29°11'51"N., long. 81°42'59"W.; and with a southeast extension to the circle beginning at lat. 29°10'14"N., long. 81°38'39"W.; to lat. 28°57'56"N., long. 81°28'24"W.; to lat. 28°53'39"N., long. 81°33'56"W.; to lat. 29°03'15"N., long. 81°46'50"W.

**Designated altitudes.** Surface to FL 230 within the 5-nautical-mile radius. Surface to 9,000 feet MSL within the northwest extension. Surface to 9,000 feet MSL within the southeast extension from the circle to a line from lat. 29°04'26"N., long. 81°33'54"W.; to lat. 28°58'51"N., long. 81°40'29"W. Surface to 6,000 feet MSL within that portion of the southeast extension that lies southeast of a line from lat. 29°04'26"N., long. 81°33'54"W.; to lat. 28°58'51"N., long. 81°40'29"W.

**Time of designation.** Intermittent, 0500-0100 local time, daily; other times by NOTAM 6 hours in advance.

**Controlling agency.** FAA, Jacksonville ARTCC.

**Using agency.** Fleet Area Control and Surveillance Facility (FACSFAC JAX), NAS Jacksonville, FL.

AMENDMENTS 7/30/87 52 FR 21249 (Amended)

**R-2914A Valparaiso, FL**

**Boundaries.** Beginning at lat. 30°43'22"N., long. 86°25'00"W.; to lat. 30°43'46"N., long. 86°10'30"W.; to lat. 30°41'01"N., long. 86°05'10"W.; to lat. 30°24'01"N., long. 85°56'00"W.; to lat. 30°19'16"N., long. 85°56'00"W.; to lat. 30°22'01"N., long. 86°08'00"W.; to lat. 30°23'21"N., long. 86°08'10"W.; to lat. 30°30'46"N., long. 86°25'00"W.; thence to the point of beginning.

**Designated altitudes.** Surface to unlimited, excluding that airspace within R-2917.

**Time of designation.** Continuous.

**Controlling agency.** FAA, Jacksonville ARTCC.

**Using agency.** U.S. Air Force, Commander, Air Armament Center, Eglin AFB, FL.

AMENDMENTS 5/20/99 64 FR 14604 (Amended)

**R-2914B Valparaiso, FL**

**Boundaries.** Beginning at lat. 30°22'01"N., long. 86°08'00"W.; to lat. 30°19'16"N., long. 85°56'00"W.; to lat. 30°11'01"N., long. 85°56'00"W.; thence 3 nautical miles from and parallel to the shoreline to lat. 30°15'01"N., long. 86°06'15"W.; to the point of beginning.

**Designated altitudes.** 8,500 feet MSL to unlimited.

**Time of designation.** Continuous.

**Controlling agency.** FAA, Jacksonville ARTCC.

**Using agency.** U.S. Air Force, Commander, Air Armament Center, Eglin AFB, FL.

AMENDMENTS 5/20/99 64 FR 14604 (Amended)

**R-2915A Eglin AFB, FL**

**Boundaries.** Beginning at lat. 30°33'41"N., long. 86°55'00"W.; to lat. 30°38'46"N., long. 86°55'00"W.; thence along the L and N Railroad to lat. 30°42'46"N., long. 86°45'45"W.; to lat. 30°42'51"N., long. 86°38'02"W.; to lat. 30°29'02"N., long. 86°38'02"W.; to lat. 30°26'31"N., long. 86°51'30"W.; lat. 30°26'31"N., long. 86°52'20"W.; thence along the Navarre-Milton Highway to the point of beginning.

**Designated altitudes.** Surface to unlimited.

**Time of designation.** Continuous.

**Controlling agency.** FAA, Jacksonville ARTCC.

**Using agency.** U.S. Air Force, Commander, Air Armament Center, Eglin AFB, FL.

AMENDMENTS 5/20/99 64 FR 14604 (Amended)

**R-2915B Eglin AFB, FL**

**Boundaries.** Beginning at lat. 30°26'31"N., long. 86°51'30"W.; to lat. 30°29'02"N., long. 86°38'02"W.; to lat. 30°23'46"N., long. 86°38'15"W.; thence along the shoreline to lat. 30°22'47"N., long. 86°51'30"W.; to lat. 30°24'21"N., long. 86°48'00"W.; to the point of beginning.

**Designated altitudes.** Surface to unlimited.

**Time of designation.** Continuous.

**Controlling agency.** FAA, Jacksonville ARTCC.

**Using agency.** U.S. Air Force, Commander, Air Armament Center, Eglin AFB, FL.

AMENDMENTS 5/20/99 64 FR 14604 (Amended)

**R-2915C Eglin AFB, FL**

**Boundaries.** Beginning at lat. 30°22'47"N., long. 86°51'30"W.; thence along the shoreline to lat. 30°23'46"N., long. 86°38'15"W.; to lat. 30°20'51"N., long. 86°38'50"W.; thence 3 nautical miles from and parallel to the shoreline to lat. 30°19'31"N., long. 86°51'30"W.; to the point of beginning.

**Designated altitudes.** 8,500 feet MSL to unlimited.

**Time of designation.** Continuous.

**Controlling agency.** FAA, Jacksonville ARTCC.

**Using agency.** U.S. Air Force, Commander, Air Armament Center, Eglin AFB, FL.

AMENDMENTS 5/20/99 64 FR 14604 (Amended)

**R-2916 Cudjoe Key, FL**

**Boundaries.** A circular area 4 statute miles in diameter centered at lat. 24°42'03"N., long. 81°30'29"W.

**Designated altitudes.** Surface to 14,000 feet MSL.

**Time of designation.** Continuous.

**Controlling agency.** FAA, Miami ARTCC.

**Using agency.** USAF, Southeast Air Defense Sector/Director of Operations, Tyndall AFB, FL.

AMENDMENTS 4/4/91 56 FR 5928 (Amended)

**R-2917 De Funiak Springs, FL**

**Boundaries.** A circle with a 2.5-mile radius centered at lat. 30°32'55"N., long. 86°12'52"W.

**Designated altitudes.** Surface to but not including FL 230.

**Time of designation.** Continuous.

**Controlling agency.** Eglin Approach Control.

**Using agency.** U.S. Air Force, Commander, U.S. Space Command, Peterson AFB, CO.

AMENDMENTS 2/29/96 61 FR 0004 (Amended)

**R-2918 Valparaiso, FL**

**Boundaries.** Beginning at lat. 30°43'18"N., long. 86°27'37"W.; to lat. 30°43'22"N., long. 86°25'00"W.; to lat. 30°33'01"N., long. 86°25'00"W.; to lat. 30°33'01"N., long. 86°25'30"W.; to lat. 30°37'01"N., long. 86°25'30"W.; to lat. 30°37'01"N., long. 86°27'37"W.; to the point of beginning.

**Designated altitudes.** Surface to unlimited.

**Time of designation.** Continuous.

**Controlling agency.** FAA, Jacksonville ARTCC.

**Using agency.** U.S. Air Force, Commander, Air Armament Center, Eglin AFB, FL.

AMENDMENTS 5/20/99 64 FR 14604 (Amended)

**R-2919A Valparaiso, FL**

**Boundaries.** Beginning at lat. 30°30'46"N., long. 86°25'00"W.; to lat. 30°23'21"N., long. 86°08'10"W.; to lat. 30°22'01"N., long. 86°08'00"W.; to lat. 30°25'01"N., long. 86°22'26"W.; to lat. 30°25'01"N., long. 86°25'00"W.; to the point of beginning.

**Designated altitudes.** Surface to unlimited.

**Time of designation.** Continuous.

**Controlling agency.** FAA, Jacksonville ARTCC.

**Using agency.** U.S. Air Force, Commander, Air Armament Center, Eglin AFB, FL.

AMENDMENTS 5/20/99 64 FR 14604 (Amended)

**R-2919B Valparaiso, FL**

**Boundaries.** Beginning at lat. 30°25'01"N., long. 86°22'26"W.; to lat. 30°22'01"N., long. 86°08'00"W.; to lat. 30°15'01"N., long. 86°06'15"W.; thence 3 nautical miles from and parallel to the shoreline to lat. 30°19'46"N., long. 86°23'45"W.; to the point of beginning.

**Designated altitudes.** 8,500 feet MSL to unlimited.

**Time of designation.** Continuous.

**Controlling agency.** FAA, Jacksonville ARTCC.

**Using agency.** U.S. Air Force, Commander, Air Armament Center, Eglin AFB, FL.

AMENDMENTS 5/20/99 64 FR 14604 (Amended)

**R-2932 Cape Canaveral, FL**

**Boundaries.** Beginning at lat. 28°39'21"N., long. 80°42'39"W.; to lat. 28°41'41"N., long. 80°34'59"W.; thence 3 nautical miles from and parallel to the shoreline; to lat. 28°25'01"N., long. 80°30'29"W.; to lat. 28°25'01"N., long. 80°37'59"W.; to lat. 28°34'01"N., long. 80°39'29"W.; to the point of beginning.

**Designated altitudes.** Surface to but not including 5,000 feet MSL.

**Time of designation.** Continuous.

**Controlling agency.** FAA, Miami ARTCC.

**Using agency.** Commander, 1st Range Operations Squadron, Cape Canaveral AFS, FL.

AMENDMENTS 1/20/05 69 FR 68075 (Amended)

Corr: 69 FR 70887

**R-2933 Cape Canaveral, FL**

**Boundaries.** Beginning at lat. 28°39'21"N., long. 80°42'39"W.; to lat. 28°41'41"N., long. 80°34'59"W.; thence 3 nautical miles from and parallel to the shoreline; to lat. 28°25'01"N., long. 80°30'29"W.; to lat. 28°25'01"N., long. 80°37'59"W.; to lat. 28°34'01"N., long. 80°39'29"W.; to the point of beginning, from 5,000 feet MSL to and including 15,000 feet MSL.

**Designated altitudes.** 5,000 feet MSL to unlimited.

**Time of designation.** Intermittent, activated by NOTAM normally 24 hours in advance.

**Controlling agency.** FAA, Miami ARTCC.

**Using agency.** Commander, 1st Range Operations Squadron, Cape Canaveral AFS, FL.

AMENDMENTS 1/20/05 69 FR 68075 (Amended)

Corr: 69 FR 70887

### **R-2934 Cape Canaveral, FL**

**Boundaries.** Beginning at lat. 28°49'11"N., long. 80°50'44"W.; to lat. 28°51'16"N., long. 80°47'14"W.; to lat. 28°51'16"N., long. 80°42'19"W.; thence 3 nautical miles from and parallel to the shoreline; to lat. 28°41'41"N., long. 80°34'59"W.; to lat. 28°39'21"N., long. 80°42'39"W.; to lat. 28°34'01"N., long. 80°39'29"W.; to lat. 28°25'01"N., long. 80°37'59"W.; to lat. 28°25'01"N., long. 80°41'44"W.; to lat. 28°31'21"N., long. 80°43'49"W.; to lat. 28°38'01"N., long. 80°47'01"W.; to the point of beginning, excluding that airspace below 1,200 feet AGL west of a line from lat. 28°31'21"N., long. 80°43'49"W.; to lat. 28°28'41"N., long. 80°40'29"W.; to lat. 28°25'01"N., long. 80°40'29"W.

**Designated altitudes.** Surface to unlimited.

**Time of designation.** Intermittent, activated by NOTAM normally 24 hours in advance.

**Controlling agency.** FAA, Miami ARTCC.

**Using agency.** Commander, 1st Range Operations Squadron, Cape Canaveral AFS, FL.

AMENDMENTS 1/20/05 69 FR 68075 (Amended)

Corr: 69 FR 70887

### **R-2935 Cape Canaveral, FL**

**Boundaries.** Beginning at lat. 28°47'21"N., long. 81°04'59"W.; to lat. 28°58'01"N., long. 80°46'59"W.; thence 3 nautical miles from and parallel to the shoreline; to lat. 28°51'16"N., long. 80°42'19"W.; to lat. 28°51'16"N., long. 80°47'14"W.; to lat. 28°49'11"N., long. 80°50'44"W.; to lat. 28°38'01"N., long. 80°47'01"W.; to lat. 28°31'21"N., long. 80°43'49"W.; to lat. 28°25'01"N., long. 80°41'44"W.; to lat. 28°25'01"N., long. 80°30'29"W.; thence 3 nautical miles from and parallel to the shoreline; to lat. 28°19'01"N., long. 80°33'29"W.; to lat. 28°19'01"N., long. 80°46'29"W.; to the point of beginning.

**Designated altitudes.** 11,000 feet MSL to unlimited.

**Time of designation.** Intermittent, activated by NOTAM normally 24 hours in advance.

**Controlling agency.** FAA, Miami ARTCC.

**Using agency.** Commander, 1st Range Operations Squadron, Cape Canaveral AFS, FL.

AMENDMENTS 1/20/05 69 FR 68075 (Amended)

Corr: 69 FR 70887

**R-2936 West Palm Beach, FL**

**Boundaries.** That airspace within a 1-nautical-mile radius centered at lat. 26°54'10"N., long. 80°22'55"W.

**Designated altitudes.** Surface to and including 10,000 feet MSL.

**Time of designation.** Intermittent by NOTAM.

**Controlling agency.** FAA, Palm Beach ATCT.

**Using agency.** United Technologies, Pratt and Whitney Company, West Palm Beach, FL.

AMENDMENTS 5/3/90 55 FR 5981 (Added)

**§73.30 Georgia****R-3002A Fort Benning, GA**

**Boundaries.** Beginning at lat. 32°31'12" N., long. 84°50'11" W.; to lat. 32°19'03" N., long. 84°41'42" W.; thence along the Central of Georgia Railroad to lat. 32°19'09" N., long. 84°42'27" W.; to lat. 32°19'14" N., long. 84°42'52" W.; to lat. 32°19'23" N., long. 84°43'18" W.; to lat. 32°19'35" N., long. 84°43'49" W.; to lat. 32°19'43" N., long. 84°44'29" W.; to lat. 32°19'55" N., long. 84°45'06" W.; to lat. 32°20'13" N., long. 84°45'54" W.; to lat. 32°20'30" N., long. 84°46'32" W.; to lat. 32°20'53" N., long. 84°46'55" W.; to lat. 32°20'55" N., long. 84°47'38" W.; to lat. 32°15'25" N., long. 84°47'32" W.; to lat. 32°15'26" N., long. 84°48'37" W.; to lat. 32°15'17" N., long. 84°48'37" W.; thence along River Bend Road to lat. 32°15'17" N., long. 84°48'48" W.; to lat. 32°15'06" N., long. 84°49'08" W.; to lat. 32°14'48" N., long. 84°49'26" W.; to lat. 32°14'38" N., long. 84°49'53" W.; to lat. 32°14'32" N., long. 84°50'15" W.; to lat. 32°14'22" N., long. 84°50'30" W.; to lat. 32°14'12" N., long. 84°50'36" W.; to lat. 32°14'22" N., long. 84°52'22" W.; to lat. 32°15'07" N., long. 84°52'21" W.; to lat. 32°15'06" N., long. 84°52'38" W.; to lat. 32°15'33" N., long. 84°52'37" W.; to lat. 32°15'34" N., long. 84°53'11" W.; to lat. 32°20'15" N., long. 84°58'36" W.; thence along Dixie Rd./First Division Rd. to lat. 32°20'36" N., long. 84°58'15" W.; to lat. 32°20'53" N., long. 84°57'55" W.; to lat. 32°21'03" N., long. 84°57'40" W.; to lat. 32°21'11" N., long. 84°57'24" W.; to lat. 32°21'08" N., long. 84°56'55" W.; to lat. 32°21'13" N., long. 84°56'04" W.; to lat. 32°21'33" N., long. 84°55'35" W.; to lat. 32°21'50" N., long. 84°55'16" W.; to lat. 32°21'53" N., long. 84°55'00" W.; to lat. 32°22'06" N., long. 84°54'41" W.; to lat. 32°23'01" N., long. 84°55'44" W.; to lat. 32°24'48" N., long. 84°52'52" W.; to lat. 32°25'36" N., long. 84°52'52" W.; to lat. 32°25'44" N., long. 84°53'30" W.; to lat. 32°26'19" N., long. 84°53'31" W.; to lat. 32°26'20" N., long. 84°53'54" W.; to lat. 32°27'19" N., long. 84°53'53" W.; to lat. 32°27'17" N., long. 84°52'10" W.; to lat. 32°28'46" N., long. 84°52'08" W.; to lat. 32°28'44" N., long. 84°50'47" W.; to lat. 32°29'43" N., long. 84°50'59" W.; to lat. 32°30'35" N., long. 84°50'50" W.; to lat. 32°30'39" N., long. 84°50'23" W.; thence to the point of beginning.

**Designated altitudes.** Surface to 4,000 feet MSL.

**Time of designation.** Intermittent, 0600-0200 local time, daily; other times by NOTAM 6 hours in advance.

**Controlling agency.** FAA, Atlanta TRACON.

**Using agency.** U.S. Army, Commanding General, Infantry Center and Fort Benning, GA.

AMENDMENTS 8/3/06 71 FR 26194 (Revised)

### **R-3002B Fort Benning, GA**

**Boundaries.** Beginning at lat. 32°31'12" N., long. 84°50'11" W.; to lat. 32°19'03" N., long. 84°41'42" W.; thence along the Central of Georgia Railroad to lat. 32°19'09" N., long. 84°42'27" W.; to lat. 32°19'14" N., long. 84°42'52" W.; to lat. 32°19'23" N., long. 84°43'18" W.; to lat. 32°19'35" N., long. 84°43'49" W.; to lat. 32°19'43" N., long. 84°44'29" W.; to lat. 32°19'55" N., long. 84°45'06" W.; to lat. 32°20'13" N., long. 84°45'54" W.; to lat. 32°20'30" N., long. 84°46'32" W.; to lat. 32°20'53" N., long. 84°46'55" W.; to lat. 32°20'55" N., long. 84°47'38" W.; to lat. 32°15'25" N., long. 84°47'32" W.; to lat. 32°15'26" N., long. 84°48'37" W.; to lat. 32°15'17" N., long. 84°48'37" W.; thence along River Bend Road to lat. 32°15'17" N., long. 84°48'48" W.; to lat. 32°15'06" N., long. 84°49'08" W.; to lat. 32°14'48" N., long. 84°49'26" W.; to lat. 32°14'38" N., long. 84°49'53" W.; to lat. 32°14'32" N., long. 84°50'15" W.; to lat. 32°14'22" N., long. 84°50'30" W.; to lat. 32°14'12" N., long. 84°50'36" W.; to lat. 32°14'22" N., long. 84°52'22" W.; to lat. 32°15'07" N., long. 84°52'21" W.; to lat. 32°15'06" N., long. 84°52'38" W.; to lat. 32°15'33" N., long. 84°52'37" W.; to lat. 32°15'34" N., long. 84°53'11" W.; to lat. 32°20'15" N., long. 84°58'36" W.; thence along Dixie Rd/First Division Rd to lat. 32°20'36" N., long. 84°58'15" W.; to lat. 32°20'53" N., long. 84°57'55" W.; to lat. 32°21'03" N., long. 84°57'40" W.; to lat. 32°21'11" N., long. 84°57'24" W.; to lat. 32°21'08" N., long. 84°56'55" W.; to lat. 32°21'13" N., long. 84°56'04" W.; to lat. 32°21'33" N., long. 84°55'35" W.; to lat. 32°21'50" N., long. 84°55'16" W.; to lat. 32°21'53" N., long. 84°55'00" W.; to lat. 32°22'06" N., long. 84°54'41" W.; to lat. 32°23'01" N., long. 84°55'44" W.; to lat. 32°24'48" N., long. 84°52'52" W.; to lat. 32°25'36" N., long. 84°52'52" W.; to lat. 32°25'44" N., long. 84°53'30" W.; to lat. 32°26'19" N., long. 84°53'31" W.; to lat. 32°26'20" N., long. 84°53'54" W.; to lat. 32°27'19" N., long. 84°53'53" W.; to lat. 32°27'17" N., long. 84°52'10" W.; to lat. 32°28'46" N., long. 84°52'08" W.; to lat. 32°28'44" N., long. 84°50'47" W.; to lat. 32°29'43" N., long. 84°50'59" W.; to lat. 32°30'35" N., long. 84°50'50" W.; to lat. 32°30'39" N., long. 84°50'23" W.; thence to the point of beginning.

**Designated altitudes.** 4,000 feet MSL to 8,000 feet MSL.

**Time of designation.** Intermittent, 0600-0200 local time, daily; other times by NOTAM 6 hours in advance.

**Controlling agency.** FAA, Atlanta TRACON.

**Using agency.** U.S. Army, Commanding General, Infantry Center and Fort Benning, GA.

AMENDMENTS 8/3/06 71 FR 26194 (Revised)



**R-3002C Fort Benning, GA**

**Boundaries.** Beginning at lat. 32°31'12" N., long. 84°50'11" W.; to lat. 32°19'03" N., long. 84°41'42" W.; thence along the Central of Georgia Railroad to lat. 32°19'09" N., long. 84°42'27" W.; to lat. 32°19'14" N., long. 84°42'52" W.; to lat. 32°19'23" N., long. 84°43'18" W.; to lat. 32°19'35" N., long. 84°43'49" W.; to lat. 32°19'43" N., long. 84°44'29" W.; to lat. 32°19'55" N., long. 84°45'06" W.; to lat. 32°20'13" N., long. 84°45'54" W.; to lat. 32°20'30" N., long. 84°46'32" W.; to lat. 32°20'53" N., long. 84°46'55" W.; to lat. 32°20'55" N., long. 84°47'38" W.; to lat. 32°15'25" N., long. 84°47'32" W.; to lat. 32°15'26" N., long. 84°48'37" W.; to lat. 32°15'17" N., long. 84°48'37" W.; thence along River Bend Road to lat. 32°15'17" N., long. 84°48'48" W.; to lat. 32°15'06" N., long. 84°49'08" W.; to lat. 32°14'48" N., long. 84°49'26" W.; to lat. 32°14'38" N., long. 84°49'53" W.; to lat. 32°14'32" N., long. 84°50'15" W.; to lat. 32°14'22" N., long. 84°50'30" W.; to lat. 32°14'12" N., long. 84°50'36" W.; to lat. 32°14'22" N., long. 84°52'22" W.; to lat. 32°15'07" N., long. 84°52'21" W.; to lat. 32°15'06" N., long. 84°52'38" W.; to lat. 32°15'33" N., long. 84°52'37" W.; to lat. 32°15'34" N., long. 84°53'11" W.; to lat. 32°20'15" N., long. 84°58'36" W.; thence along Dixie Rd/First Division Rd to lat. 32°20'36" N., long. 84°58'15" W.; to lat. 32°20'53" N., long. 84°57'55" W.; to lat. 32°21'03" N., long. 84°57'40" W.; to lat. 32°21'11" N., long. 84°57'24" W.; to lat. 32°21'08" N., long. 84°56'55" W.; to lat. 32°21'13" N., long. 84°56'04" W.; to lat. 32°21'33" N., long. 84°55'35" W.; to lat. 32°21'50" N., long. 84°55'16" W.; to lat. 32°21'53" N., long. 84°55'00" W.; to lat. 32°22'06" N., long. 84°54'41" W.; to lat. 32°23'01" N., long. 84°55'44" W.; to lat. 32°24'48" N., long. 84°52'52" W.; to lat. 32°25'36" N., long. 84°52'52" W.; to lat. 32°25'44" N., long. 84°53'30" W.; to lat. 32°26'19" N., long. 84°53'31" W.; to lat. 32°26'20" N., long. 84°53'54" W.; to lat. 32°27'19" N., long. 84°53'53" W.; to lat. 32°27'17" N., long. 84°52'10" W.; to lat. 32°28'46" N., long. 84°52'08" W.; to lat. 32°28'44" N., long. 84°50'47" W.; to lat. 32°29'43" N., long. 84°50'59" W.; to lat. 32°30'35" N., long. 84°50'50" W.; to lat. 32°30'39" N., long. 84°50'23" W.; thence to the point of beginning.

**Designated altitudes.** 8,000 feet MSL to 14,000 feet MSL.

**Time of designation.** Intermittent by NOTAM 6 hours in advance.

**Controlling agency.** FAA, Atlanta TRACON.

**Using agency.** U.S. Army, Commanding General, Infantry Center and Fort Benning, GA.

AMENDMENTS 8/3/06 71 FR 26194 (Revised)

**R-3002D Fort Benning, GA**

**Boundaries.** Beginning at lat. 32°31'12" N., long. 84°50'11" W.; to lat. 32°31'52" N., long. 84°50'25" W.; to lat. 32°33'05" N., long. 84°45'27" W.; thence along the Central of Georgia Railroad to lat. 32°32'52" N., long. 84°45'00" W.; to lat. 32°32'43" N., long. 84°44'08" W.; to lat. 32°32'34" N., long. 84°43'40" W.; to lat. 32°32'22" N., long. 84°43'13" W.; to lat. 32°32'18" N., long. 84°42'53" W.; to lat. 32°32'08" N., long. 84°42'38" W.; to lat. 32°32'05" N., long. 84°42'26" W.; to lat. 32°32'11" N., long. 84°42'12" W.; to lat. 32°32'13" N., long. 84°41'54" W.; to lat. 32°32'10" N., long. 84°41'38" W.; to lat. 32°32'06" N., long. 84°41'25" W.; to lat. 32°32'08" N., long. 84°41'17" W.; to lat. 32°32'15" N., long. 84°41'01" W.; to lat. 32°32'20" N., long. 84°40'56" W.; to lat. 32°32'07" N., long. 84°40'44" W.; to lat. 32°31'06" N., long. 84°41'43" W.; to lat. 32°31'04" N., long. 84°40'54" W.; to lat. 32°32'04" N., long. 84°38'16" W.; to lat. 32°29'16" N., long. 84°38'17" W.; to lat. 32°29'10" N., long. 84°39'25" W.; to lat. 32°18'35" N., long. 84°39'30"

W.; to lat. 32°18'23" N., long. 84°41'09" W.; to lat. 32°19'03" N., long. 84°41'42" W.; thence to the point of beginning.

**Designated altitudes.** Surface to 8,000 feet MSL.

**Time of designation.** Intermittent, 0600-0200 local time, daily; other times by NOTAM 6 hours in advance.

**Controlling agency.** FAA, Atlanta TRACON.

**Using agency.** U.S. Army, Commanding General, Infantry Center and Fort Benning, GA.

AMENDMENTS 8/3/06 71 FR 26194 (Revised)

### **R-3002E Fort Benning, GA**

**Boundaries.** Beginning at lat. 32°31'12" N., long. 84°50'11" W.; to lat. 32°31'52" N., long. 84°50'25" W.; to lat. 32°33'05" N., long. 84°45'27" W.; thence along the Central of Georgia Railroad to lat. 32°32'52" N., long. 84°45'00" W.; to lat. 32°32'43" N., long. 84°44'08" W.; to lat. 32°32'34" N., long. 84°43'40" W.; to lat. 32°32'22" N., long. 84°43'13" W.; to lat. 32°32'18" N., long. 84°42'53" W.; to lat. 32°32'08" N., long. 84°42'38" W.; to lat. 32°32'05" N., long. 84°42'26" W.; to lat. 32°32'11" N., long. 84°42'12" W.; to lat. 32°32'13" N., long. 84°41'54" W.; to lat. 32°32'10" N., long. 84°41'38" W.; to lat. 32°32'06" N., long. 84°41'25" W.; to lat. 32°32'08" N., long. 84°41'17" W.; to lat. 32°32'15" N., long. 84°41'01" W.; to lat. 32°32'20" N., long. 84°40'56" W.; to lat. 32°32'07" N., long. 84°40'44" W.; to lat. 32°31'06" N., long. 84°41'43" W.; to lat. 32°31'04" N., long. 84°40'54" W.; to lat. 32°32'04" N., long. 84°38'16" W.; to lat. 32°29'16" N., long. 84°38'17" W.; to lat. 32°29'10" N., long. 84°39'25" W.; to lat. 32°18'35" N., long. 84°39'30" W.; to lat. 32°18'23" N., long. 84°41'09" W.; to lat. 32°19'03" N., long. 84°41'42" W.; thence to the point of beginning.

**Designated altitudes.** 8,000 feet MSL to 14,000 feet MSL.

**Time of designation.** Intermittent by NOTAM 6 hours in advance.

**Controlling agency.** FAA, Atlanta TRACON.

**Using agency.** U.S. Army, Commanding General, Infantry Center and Fort Benning, GA.

AMENDMENTS 8/3/06 71 FR 26194 (Revised)

### **R-3002F Fort Benning, GA**

**Boundaries.** Beginning at lat. 32°27'17" N., long. 84°52'10" W.; to lat. 32°28'46" N., long. 84°52'08" W.; to lat. 32°28'44" N., long. 84°50'47" W.; to lat. 32°29'43" N., long. 84°50'59" W.; to lat. 32°30'35" N., long. 84°50'50" W.; to lat. 32°30'39" N., long. 84°50'23" W.; to lat. 32°31'12" N., long. 84°50'11" W.; to lat. 32°31'52" N., long. 84°50'25" W.; to lat. 32°33'05" N., long. 84°45'27" W.; thence along the Central of Georgia Railroad to lat. 32°32'52" N., long. 84°45'00" W.; to lat. 32°32'43" N., long. 84°44'08" W.; to lat. 32°32'34" N., long. 84°43'40" W.; to lat. 32°32'22" N., long. 84°43'13" W.; to lat. 32°32'18" N., long. 84°42'53" W.; to lat. 32°32'08" N., long. 84°42'38" W.; to lat. 32°32'05" N., long. 84°42'26" W.; to lat. 32°32'11" N., long. 84°42'12" W.; to lat. 32°32'13" N., long. 84°41'54" W.; to lat. 32°32'10" N., long. 84°41'38" W.; to lat. 32°32'06" N., long. 84°41'25" W.; to lat. 32°32'08" N., long. 84°41'17" W.; to lat. 32°32'15" N., long. 84°41'01" W.; to lat. 32°32'20" N., long. 84°40'56" W.; to lat. 32°32'07" N., long. 84°40'44" W.; to lat. 32°31'06" N., long. 84°41'43" W.; to lat. 32°31'04" N., long. 84°40'54"

W.; to lat. 32°32'04" N., long. 84°38'16" W.; to lat. 32°29'16" N., long. 84°38'17" W.; to lat. 32°29'10" N., long. 84°39'25" W.; to lat. 32°18'35" N., long. 84°39'30" W.; to lat. 32°18'23" N., long. 84°41'09" W.; to lat. 32°19'03" N., long. 84°41'42" W.; thence along the Central of Georgia Railroad to lat. 32°19'09"N., long. 84°42'27" W.; to lat. 32°19'14"N., long. 84°42'52" W.; to lat. 32°19'23" N., long. 84°43'18" W.; to lat. 32°19'35" N., long. 84°43'49" W.; to lat. 32°19'43" N., long. 84°44'29" W.; to lat. 32°19'55" N., long. 84°45'06" W.; to lat. 32°20'13" N., long. 84°45'54" W.; to lat. 32°20'30" N., long. 84°46'32" W.; to lat. 32°20'53" N., long. 84°46'55" W.; to lat. 32°20'55" N., long. 84°47'38" W.; thence to the point of beginning.

**Designated altitudes.** 14,000 feet MSL to FL 250.

**Time of designation.** Intermittent by NOTAM 6 hours in advance.

**Controlling agency.** FAA, Atlanta TRACON.

**Using agency.** U.S. Army, Commanding General, Infantry Center and Fort Benning, GA.

AMENDMENTS 8/3/06 71 FR 26194 (Revised)

### **R-3002G Fort Benning, GA**

**Boundaries.** Beginning at lat. 32°20'15" N., long. 84°58'36" W.; to lat. 32°15'34" N., long. 84°53'11" W.; to lat. 32°15'32" N., long. 84°54'02" W.; to lat. 32°15'04" N., long. 84°55'24" W.; to lat. 32°14'27" N., long. 84°54'50" W.; to lat. 32°14'25" N., long. 84°56'53" W.; to lat. 32°14'36" N., long. 84°56'53" W.; to lat. 32°14'38" N., long. 84°57'56" W.; to lat. 32°16'36" N., long. 84°57'58" W.; to lat. 32°16'36" N., long. 84°58'35" W.; to lat. 32°17'39" N., long. 84°58'35" W.; to lat. 32°17'40" N., long. 84°58'54" W.; thence to the point of beginning.

**Designated altitudes.** Surface to 14,000 feet MSL.

**Time of designation.** Intermittent, 0600-0200 local time daily; other times by NOTAM 6 hours in advance.

**Controlling agency.** FAA, Atlanta TRACON.

**Using agency.** U.S. Army, Commanding General, Infantry Center and Fort Benning, GA.

AMENDMENTS 8/3/06 71 FR 26194 (Added)

### **R-3004A Fort Gordon, GA**

**Boundaries.** Beginning at lat. 33°21'54"N., long. 82°12'14"W.; to lat. 33°19'44"N., long. 82°12'14"W.; to lat. 33°16'21"N., long. 82°17'59"W.; to lat. 33°17'30"N., long. 82°22'59"W.; to lat. 33°21'16"N., long. 82°18'46"W.; to lat. 33°22'16"N., long. 82°16'59"W.; to the point of beginning.

**Designated altitudes.** Surface to 7,000 feet MSL.

**Time of designation.** By NOTAM 24 hours in advance.

**Controlling agency.** FAA, Atlanta ARTCC.

**Using agency.** U.S. Army, Commanding Officer, Fort Gordon, GA.

Aircraft activity is limited to the following terms and conditions:

1. Aircraft activities may not be conducted on weekends, National holidays, or the entire week of the Masters Golf Tournament.
2. Aircraft activities may only be conducted from the surface to 12,000 feet AGL.
3. Weather conditions required for aircraft activities are 5 miles visibility and with prevailing clouds or obscuring phenomena no greater than five-tenths coverage of the sky and bases no lower than 3,000 feet AGL.

AMENDMENTS 12/22/05 70 FR 56366 (Added)

### **R-3004B Fort Gordon, GA**

**Boundaries.** Beginning at lat. 33°21'54"N., long. 82°12'14"W.; to lat. 33°19'44"N., long. 82°12'14"W.; to lat. 33°16'21"N., long. 82°17'59"W.; to lat. 33°17'30"N., long. 82°22'59"W.; to lat. 33°21'16"N., long. 82°18'46"W.; to lat. 33°22'16"N., long. 82°16'59"W.; to the point of beginning.

**Designated altitudes.** 7,001 feet MSL to 16,000 feet MSL.

**Time of designation.** By NOTAM 24 hours in advance.

**Controlling agency.** FAA, Atlanta ARTCC.

**Using agency.** U.S. Army, Commanding Officer, Fort Gordon, GA.

Aircraft activity is limited to the following terms and conditions:

1. Aircraft activities may not be conducted on weekends, National holidays, or the entire week of the Masters Golf Tournament.
2. Aircraft activities may only be conducted from the surface to 12,000 feet AGL.
3. Weather conditions required for aircraft activities are 5 miles visibility and with prevailing clouds or obscuring phenomena no greater than five-tenths coverage of the sky and bases no lower than 3,000 feet AGL.

AMENDMENTS 12/22/05 70 FR 56366 (Added)

### **R-3005A Fort Stewart, GA**

**Boundaries.** Beginning at lat. 32°07'01"N., long. 81°43'29"W.; to lat. 31°56'01"N., long. 81°43'29"W.; thence west along Georgia Highway 144 to lat. 31°55'31"N., long. 81°52'59"W.; to lat. 31°57'01"N., long. 81°53'14"W.; to lat. 31°59'46"N., long. 81°51'05"W.; to lat. 32°02'22"N., long. 81°50'41"W.; to lat. 32°03'00"N., long. 81°51'25"W.; to lat. 32°05'25"N., long. 81°50'02"W.; to lat. 32°07'29"N., long. 81°47'16"W.; to the point of beginning.

**Designated altitudes.** Surface to 29,000 feet MSL.

**Time of designation.** 0600-2400 local time, Monday through Sunday; other times by NOTAM 24 hours in advance.

**Controlling agency.** FAA, Jacksonville ARTCC.

**Using agency.** Commanding Officer, Fort Stewart, GA.

**R-3005B Fort Stewart, GA**

**Boundaries.** Beginning at lat. 32°06'46"N., long. 81°36'59"W.; thence south along Georgia Highway 119 to lat. 31°54'01"N., long. 81°38'14"W.; thence northwest along Georgia Highway 144 to lat. 31°56'01"N., long. 81°43'29"W.; to lat. 32°07'01"N., long. 81°43'29"W.; to the point of beginning.

**Designated altitudes.** Surface to 29,000 feet MSL.

**Time of designation.** 0600-2400 local time, Monday through Sunday; other times by NOTAM 24 hours in advance.

**Controlling agency.** FAA, Jacksonville ARTCC.

**Using agency.** Commanding Officer, Fort Stewart, GA.

**R-3005C Fort Stewart, GA**

**Boundaries.** Beginning at lat. 32°04'46"N., long. 81°26'29"W.; to lat. 31°57'31"N., long. 81°26'29"W.; thence southwest along Georgia Highway 144 to lat. 31°53'12"N., long. 81°37'50"W.; thence north along Georgia Highway 119 to lat. 32°06'46"N., long. 81°36'59"W.; to lat. 32°06'16"N., long. 81°31'29"W.; to lat. 32°05'31"N., long. 81°31'29"W.; to lat. 32°05'16"N., long. 81°29'59"W.; to the point of beginning.

**Designated altitudes.** Surface to 29,000 feet MSL.

**Time of designation.** 0600-0300 local time, Monday through Sunday; other times by NOTAM 24 hours in advance.

**Controlling agency.** FAA, Jacksonville ARTCC.

**Using agency.** Commander, 24th Infantry Division, Fort Stewart, GA.

**R-3005D Fort Stewart, GA**

**Boundaries.** Beginning at lat. 31°57'31"N., long. 81°26'29"W.; to lat. 32°04'46"N., long. 81°26'29"W.; to lat. 32°04'16"N., long. 81°22'29"W.; thence along the Ogeechee River to lat. 32°00'31"N., long. 81°19'29"W.; to lat. 31°58'46"N., long. 81°19'44"W.; to lat. 31°56'16"N., long. 81°22'59"W.; to lat. 31°54'04"N., long. 81°28'44"W.; thence counterclockwise along the arc of a 5-mile radius circle centered at lat. 31°53'21"N., long. 81°33'44"W.; to lat. 31°56'49"N., long. 81°30'41"W.; thence east along Georgia Highway 144 to the point of beginning.

**Designated altitudes.** Surface to 29,000 feet MSL.

**Time of designation.** 0600-2400 local time, Monday through Sunday; other times by NOTAM 24 hours in advance.

**Controlling agency.** FAA, Jacksonville ARTCC.

**Using agency.** Commander, 24th Infantry Division, Fort Stewart, GA.

**R-3005E Fort Stewart, GA**

**Boundaries.** Beginning at lat. 31°54'01"N., long. 81°38'14"W.; to lat. 31°53'12"N., long. 81°37'50"W.; to lat. 31°52'21"N., long. 81°38'09"W.; to lat. 31°51'56"N., long. 81°39'49"W.; to lat. 31°51'31"N., long. 81°41'44"W.; to lat. 31°55'01"N., long. 81°52'59"W.; to lat. 31°55'31"N., long. 81°52'59"W.; thence east along Georgia Highway 144 to the point of beginning.

**Designated altitudes.** Surface to 29,000 feet MSL.

**Time of designation.** 0600-2400 local time, Monday through Sunday; other times by NOTAM 24 hours in advance.

**Controlling agency.** FAA, Jacksonville ARTCC.

**Using agency.** Commander, 24th Infantry Division, Fort Stewart, GA

### **R-3007A Townsend, GA**

**Boundaries.** A circular area with a 1.5-mile radius centered at lat. 31°33'16"N., long. 81°34'44"W.

**Designated altitudes.** Surface to but not including 13,000 feet MSL.

**Time of designation.** 0700-2200 local time, Monday-Friday; other times by NOTAM at least 24 hours in advance.

**Controlling agency.** FAA, Jacksonville ARTCC.

**Using agency.** ANG, Savannah Combat Readiness Training Center, GA.

AMENDMENTS 8/3/06 71 FR 29247 (Revised)

### **R-3007B Townsend, GA**

**Boundaries.** Beginning at lat. 31°38'01"N., long. 81°28'59"W.; to lat. 31°37'31"N., long. 81°28'14"W.; to lat. 31°32'31"N., long. 81°27'29"W.; to lat. 31°26'16"N., long. 81°31'29"W.; to lat. 31°25'31"N., long. 81°35'59"W.; to lat. 31°27'26"N., long. 81°33'39"W.; to lat. 31°31'26"N., long. 81°31'58"W.; thence clockwise along a 1 NM radius arc from a point centered at lat. 31°32'26"N., long. 81°31'49"W.; to lat. 31°33'18"N., long. 81°31'13"W.; to the point of beginning.

**Designated altitudes.** 1,200 feet AGL to but not including 13,000 feet MSL.

**Time of designation.** 0700-2200 local time, Monday-Friday; other times by NOTAM at least 24 hours in advance.

**Controlling agency.** FAA, Jacksonville ARTCC.

**Using agency.** ANG, Savannah Combat Readiness Training Center, GA.

AMENDMENTS 8/3/06 71 FR 29247 (Revised)

### **R-3007C Townsend, GA**

**Boundaries.** Beginning at lat. 31°38'01"N., long. 81°46'59"W.; to lat. 31°42'31"N., long. 81°33'59"W.; to lat. 31°38'01"N., long. 81°28'59"W.; to lat. 31°33'18"N., long. 81°31'13"W.; thence counterclockwise along a 1 NM radius arc from a point centered at lat. 31°32'26"N., long. 81°31'49"W.; to lat. 31°31'26"N., long. 81°31'58"W.; to lat. 31°27'26"N., long. 81°33'39"W.; to lat. 31°25'31"N., long. 81°35'59"W.; thence west along the Altamaha River to the point of beginning; excluding R-3007A.

**Designated altitudes.** 100 feet AGL to but not including 13,000 feet MSL.

**Time of designation.** 0700-2200 local time, Monday-Friday; other times by NOTAM at least 24 hours in advance.

**Controlling agency.** FAA, Jacksonville ARTCC.

**Using agency.** ANG, Savannah Combat Readiness Training Center, GA.

AMENDMENTS 8/3/06 71 FR 29247 (Revised)

### **R-3007D Townsend, GA**

**Boundaries.** Beginning at lat. 31°38'01"N., long. 81°46'59"W.; to lat. 31°42'31"N., long. 81°33'59"W.; to lat. 31°38'01"N., long. 81°28'59"W.; to lat. 31°37'31"N., long. 81°28'14"W.; to lat. 31°32'31"N., long. 81°27'29"W.; to lat. 31°26'16"N., long. 81°31'29"W.; to lat. 31°25'31"N., long. 81°35'59"W.; thence northwest along the Altamaha River to the point of beginning.

**Designated altitudes.** 13,000 feet MSL to FL 250.

**Time of designation.** 0700-2200 local time, Monday-Friday; other times by NOTAM at least 24 hours in advance.

**Controlling agency.** FAA, Jacksonville ARTCC.

**Using agency.** ANG, Savannah Combat Readiness Training Center, GA.

AMENDMENTS 8/3/06 71 FR 29247 (Revised)

### **R-3008A Grand Bay Weapons Range, GA**

**Boundaries.** Beginning at lat. 30°57'36"N., long. 83°11'05"W.; to lat. 30°59'13"N., long. 83°10'00"W.; to lat. 30°59'13"N., long. 83°07'53"W.; to lat. 30°58'31"N., long. 83°07'53"W.; to lat. 30°58'31"N., long. 83°07'45"W.; to lat. 30°57'44"N., long. 83°07'45"W.; to lat. 30°57'44"N., long. 83°08'05"W.; to lat. 30°56'56"N., long. 83°08'05"W.; to lat. 30°56'24"N., long. 83°08'43"W.; to lat. 30°56'51"N., long. 83°10'00"W.; to the point of beginning.

**Designated altitudes.** Surface to 10,000 feet MSL.

**Time of designation.** 0700-2200 local time, Monday-Friday; other times by NOTAM 6 hours in advance. **Controlling agency.** U.S. Air Force, Valdosta Approach Control.

**Using agency.** U.S. Air Force, 23<sup>rd</sup> Wing, Moody AFB, GA.

AMENDMENTS 1/18/07 71 FR 67783 (Amended)

### **R-3008B Grand Bay Weapons Range, GA**

**Boundaries.** Beginning at lat. 30°59'13"N., long. 83°10'00"W.; to lat. 31°02'01"N., long. 83°09'00"W.; to lat. 31°01'31"N., long. 83°06'00"W.; to lat. 30°54'31"N., long. 83°06'00"W.; to lat. 30°53'31"N., long. 83°09'00"W.; to lat. 30°56'51"N., long. 83°10'00"W.; to lat. 30°56'24"N., long. 83°08'43"W.; to lat. 30°56'56"N., long. 83°08'05"W.; to lat. 30°57'44"N., long. 83°08'05"W.; to lat. 30°57'44"N., long. 83°07'45"W.; to lat. 30°58'31"N., long. 83°07'45"W.; to lat. 30°58'31"N., long. 83°07'53"W.; to lat. 30°59'13"N., long. 83°07'53"W.; to the point of beginning.

**Designated altitudes.** 100 feet AGL to 10,000 feet MSL.

**Time of designation.** 0700-2200 local time, Monday-Friday; other times by NOTAM 6 hours in advance. **Controlling agency.** U.S. Air Force, Valdosta Approach Control.

**Using agency.** U.S. Air Force, 23<sup>rd</sup> Wing, Moody AFB, GA.

AMENDMENTS 1/18/07 71 FR 67783 (Amended)

### **R-3008C Grand Bay Weapons Range, GA**

**Boundaries.** Beginning at lat. 31°04'01"N., long. 83°01'00"W.; to lat. 31°04'01"N., long. 83°08'00"W.; to lat. 31°02'01"N., long. 83°09'00"W.; to lat. 31°01'31"N., long. 83°06'00"W.; to lat. 30°54'31"N., long. 83°06'00"W.; to lat. 30°53'31"N., long. 83°09'00"W.; to lat. 30°51'01"N., long. 83°08'00"W.; to lat. 30°51'01"N., long. 83°01'00"W.; to the point of beginning.

**Designated altitudes.** 500 feet AGL to 10,000 feet MSL, excluding that airspace below 1,500 feet AGL within one nautical mile of Lakeland, GA. (One-nautical-mile radius centered at lat. 31°02'31"N., long. 83°04'15"W.)

**Time of designation.** 0700-2200 local time, Monday-Friday; other times by NOTAM 6 hours in advance.

**Controlling agency.** U.S. Air Force, Valdosta Approach Control.

**Using agency.** U.S. Air Force, 23<sup>rd</sup> Wing, Moody AFB, GA.

AMENDMENTS 1/18/07 71 FR 67783 (Amended)

### **R-3008D Grand Bay Weapons Range, GA**

**Boundaries.** Beginning at lat. 31°04'01"N., long. 83°01'00"W.; to lat. 30°51'01"N., long. 83°01'00"W.; to lat. 30°51'01"N., long. 83°08'00"W.; to lat. 30°53'31"N., long. 83°09'00"W.; to lat. 30°56'51"N., long. 83°10'00"W.; to lat. 30°57'36"N., long. 83°11'05"W.; to lat. 30°59'13"N., long. 83°10'00"W.; to lat. 31°02'01"N., long. 83°09'00"W.; to lat. 31°04'01"N., long. 83°08'00"W.; to the point of beginning.

**Designated altitudes.** 10,000 feet MSL to but not including FL 230.

**Time of designation.** 0700-2200 local time, Monday-Friday; other times by NOTAM 6 hours in advance.

**Controlling agency.** U.S. Air Force, Valdosta Approach Control.

**Using agency.** U.S. Air Force, 23<sup>rd</sup> Wing, Moody AFB, GA.

AMENDMENTS 1/18/07 71 FR 67783 (Amended)

## **§73.31 Hawaii**



**R-3101 PMRFAC FOUR, HI**

**Boundaries.** Beginning at lat. 22°12'48"N., long. 159°41'50"W.; to lat. 22°09'34"N., long. 159°41'50"W.; thence counterclockwise along the shoreline of Kauai to lat. 22°04'25"N., long. 159°46'10"W.; to lat. 22°04'14"N., long. 159°45'56"W.; to lat. 22°03'44"N., long. 159°46'19"W.; to lat. 22°01'34"N., long. 159°46'43"W.; to lat. 22°00'56"N., long. 159°46'10"W.; to lat. 22°00'44"N., long. 159°45'43"W.; to lat. 21°59'41"N., long. 159°45'04"W.; to lat. 21°59'24"N., long. 159°45'45"W.; thence counterclockwise along the shoreline of Kauai to lat. 21°58'14"N., long. 159°43'25"W.; to lat. 21°58'19"N., long. 159°48'45"W.; thence clockwise along a line 3 nautical miles from the shoreline of Kauai to the point of beginning.

**Designated altitudes.** Surface to unlimited.

**Time of designation.** 0600-1800 local time Monday-Friday; other times by NOTAM.

**Controlling agency.** FAA, Honolulu Control Facility.

**Using agency.** Commanding Officer, Pacific Missile Range Facility, HI, (COPMRFAC HAWAII).

AMENDMENTS 12/22/05 70 FR 58607 (Amended)

**R-3103 Humuula, HI**

**Boundaries.** Beginning at lat. 19°48'14"N., long. 155°37'20"W.; to lat. 19°43'19"N., long. 155°29'10"W.; to lat. 19°34'49"N., long. 155°34'20"W.; to lat. 19°34'49"N., long. 155°40'15"W.; to lat. 19°40'04"N., long. 155°43'35"W.; to lat. 19°46'29"N., long. 155°42'10"W.; to the point of beginning.

**Designated altitudes.** Surface to 30,000 feet MSL.

**Time of designation.** Intermittent, activated by NOTAM at least 12 hours in advance.

**Controlling agency.** FAA, Honolulu Control Facility.

**Using agency.** Commanding General, U. S. Army, HI, Schofield Barracks, HI.

AMENDMENTS 12/22/05 70 FR 58607 (Amended)

**R-3107 Kaula Rock, HI**

**Boundaries.** The airspace within 3 nautical miles of the Island of Kaula (lat. 21°39'16"N., long. 160°32'20"W.).

**Designated altitudes.** Surface to FL 180.

**Time of designation.** 0700-2200 local time Monday-Friday; 0800-1600 local time Saturday-Sunday; other times by NOTAM issued at least 24 hours in advance.

**Controlling agency.** FAA, Honolulu Control Facility.

**Using agency.** U.S. Navy, Commander, Fleet Area Control and Surveillance Facility, Pearl Harbor, HI.

AMENDMENTS 12/22/05 70 FR 58607 (Amended)

**R-3109A Schofield-Makua, Oahu, HI**

**Boundaries.** Beginning at lat. 21°30'29"N., long. 158°08'40"W.; to lat. 21°31'04"N., long. 158°06'30"W.; to lat. 21°31'19"N., long. 158°05'25"W.; to lat. 21°31'03"N., long. 158°04'30"W.; to lat. 21°30'18"N., long. 158°03'59"W.; to lat. 21°29'14"N., long. 158°04'50"W.; to lat. 21°27'17"N., long. 158°05'45"W.; to lat. 21°29'00"N., long. 158°07'25"W.; to lat. 21°29'19"N., long. 158°08'30"W.; to the point of beginning.

**Designated altitudes.** Surface to but not including 9,000 feet MSL.

**Time of designation.** Intermittent by NOTAM.

**Controlling agency.** FAA, Honolulu Control Facility.

**Using agency.** U.S. Army, HI, Schofield Barracks, HI.

AMENDMENTS 12/22/05 70 FR 58607 (Amended)

**R-3109B Schofield-Makua, Oahu, HI**

**Boundaries.** Beginning at lat. 21°30'18"N., long. 158°03'59"W.; to lat. 21°29'14"N., long. 158°04'50"W.; to lat. 21°27'17"N., long. 158°05'45"W.; to lat. 21°29'00"N., long. 158°07'25"W.; to lat. 21°29'19"N., long. 158°08'30"W.; to lat. 21°33'04"N., long. 158°08'30"W.; to lat. 21°32'03"N., long. 158°05'02"W.; to the point of beginning.

**Designated altitudes.** From 9,000 feet MSL to but not including 19,000 feet MSL.

**Time of designation.** Intermittent.

**Controlling agency.** FAA, Honolulu Control Facility.

**Using agency.** U.S. Army, HI, Schofield Barracks, HI.

AMENDMENTS 12/22/05 70 FR 58607 (Amended)

**R-3109C Schofield-Makua, Oahu, HI**

**Boundaries.** Beginning at lat. 21°33'04"N., long. 158°08'30"W.; to lat. 21°32'03"N., long. 158°05'02"W.; to lat. 21°31'03"N., long. 158°04'30"W.; to lat. 21°31'19"N., long. 158°05'25"W.; to lat. 21°31'04"N., long. 158°06'30"W.; to lat. 21°30'29"N., long. 158°08'40"W.; to the point of beginning.

**Designated altitudes.** Surface to but not including 9,000 feet MSL.

**Time of designation.** Intermittent by NOTAM.

**Controlling agency.** FAA, Honolulu Control Facility.

**Using agency.** U.S. Army, Schofield Barracks, HI.

AMENDMENTS 12/22/05 70 FR 58607 (Amended)

**R-3110A Schofield-Makua, Oahu, HI**

**Boundaries.** Beginning at lat. 21°29'19"N., long. 158°08'30"W.; to lat. 21°30'49"N., long. 158°13'50"W.; to lat. 21°32'19"N., long. 158°14'20"W.; to lat. 21°33'04"N., long. 158°15'05"W.; to lat. 21°34'04"N., long. 158°15'05"W.; to lat. 21°32'39"N., long. 158°12'00"W.; to lat. 21°31'49"N., long. 158°10'50"W.; to lat. 21°31'14"N., long.

158°10'35"W.; to lat. 21°30'29"N., long. 158°09'30"W.; to lat. 21°30'29"N., long. 158°08'40"W.; to the point of beginning.

**Designated altitudes.** Surface to but not including 9,000 feet MSL.

**Time of designation.** Intermittent by NOTAM.

**Controlling agency.** FAA, Honolulu Control Facility.

**Using agency.** U.S. Army, HI, Schofield Barracks, HI.

AMENDMENTS 12/22/05 70 FR 58607 (Amended)

### **R-3110B Schofield-Makua, Oahu, HI**

**Boundaries.** Beginning at lat. 21°29'19"N., long. 158°08'30"W.; to lat. 21°30'49"N., long. 158°13'50"W.; to lat. 21°32'19"N., long. 158°14'20"W.; to lat. 21°33'04"N., long. 158°15'05"W.; to lat. 21°34'19"N., long. 158°15'05"W.; to lat. 21°34'19"N., long. 158°13'05"W.; to lat. 21°33'04"N., long. 158°08'30"W.; to the point of beginning.

**Designated altitudes.** From 9,000 feet MSL to but not including 19,000 feet MSL.

**Time of designation.** Intermittent.

**Controlling agency.** FAA, Honolulu Control Facility.

**Using agency.** U. S. Army, HI, Schofield Barracks, HI.

AMENDMENTS 12/22/05 70 FR 58607 (Amended)

### **R-3110C Schofield-Makua, Oahu, HI**

**Boundaries.** Beginning at lat. 21°33'04"N., long. 158°08'30"W.; to lat. 21°30'29"N., long. 158°08'40"W.; to lat. 21°30'29"N., long. 158°09'30"W.; to lat. 21°31'14"N., long. 158°10'35"W.; to lat. 21°31'49"N., long. 158°10'50"W.; to lat. 21°32'39"N., long. 158°12'00"W.; to lat. 21°34'04"N., long. 158°15'05"W.; to lat. 21°34'19"N., long. 158°15'05"W.; to lat. 21°34'19"N., long. 158°13'05"W.; to the point of beginning.

**Designated altitudes.** Surface to but not including 9,000 feet MSL.

**Time of designation.** Intermittent by NOTAM.

**Controlling agency.** FAA, Honolulu Control Facility.

**Using agency.** U.S. Army, Schofield Barracks, HI.

AMENDMENTS 12/22/05 70 FR 58607 (Amended)

## **§73.32 Idaho**

### **R-3202 Saylor Creek High, ID**

**Boundaries.** Beginning at lat. 42°53'00"N., long. 115°42'20"W.; at lat. 42°53'00"N., long. 115°24'15"W.; at lat. 42°36'00"N., long. 115°24'15"W.; at lat. 42°36'00"N., long. 115°42'20"W.; to the point of beginning.

**Designated altitudes.** FL 180 to FL 290.

**Times of use.** 0730-2200 local time, Monday through Friday, other times by NOTAM.

**Controlling agency.** FAA, Salt Lake City, ARTCC.

**Using agency.** USAF, 366th Wing, Mountain Home AFB, ID.

AMENDMENTS 9/6/01 66 FR 34808 (Added)

### **R-3202 Saylor Creek Low, ID**

**Boundaries.** Beginning at lat. 42°53'00"N., long. 115°42'20"W.; at lat. 42°53'00"N., long. 115°24'15"W.; at lat. 42°36'00"N., long. 115°24'15"W.; at lat. 42°36'00"N., long. 115°42'20"W.; to the point of beginning.

**Designated altitudes.** Surface to but not including FL 180.

**Times of use.** 0730-2200 local time, Monday through Friday, other times by NOTAM.

**Controlling agency.** FAA, Salt Lake City, ARTCC.

**Using agency.** USAF, 366th Wing, Mountain Home AFB, ID.

AMENDMENTS 9/6/01 66 FR 34808 (Added)

### **R-3203A Boise, ID**

**Boundaries.** Beginning at lat. 43°17'00"N., long. 116°12'03"W.; to lat. 43°17'00"N., long. 116°05'03"W.; to lat. 43°15'00"N., long. 116°01'03"W.; to lat. 43°12'30"N., long. 116°00'33"W.; to lat. 43°06'00"N., long. 116°07'18"W.; to lat. 43°10'00"N., long. 116°16'33"W.; to lat. 43°14'00"N., long. 116°16'33"W.; to the point of beginning.

**Designated altitudes.** Surface to 15,000 feet MSL.

**Time of designation.** By NOTAM, 24 hours in advance.

**Controlling agency.** FAA, Salt Lake ARTCC.

**Using agency.** Idaho Army National Guard.

### **R-3203B Boise, ID**

**Boundaries.** Beginning at lat. 43°17'00"N., long. 116°12'03"W.; to lat. 43°17'00"N., long. 116°05'03"W.; to lat. 43°15'00"N., long. 116°01'03"W.; to lat. 43°12'30"N., long. 116°00'33"W.; to lat. 43°06'00"N., long. 116°07'18"W.; to lat. 43°10'00"N., long. 116°16'33"W.; to lat. 43°14'00"N., long. 116°16'33"W.; to the point of beginning.

**Designated altitudes.** 15,000 feet MSL to and including 22,000 feet MSL.

**Times of designation.** By NOTAM, 24 hours in advance.

**Controlling agency.** FAA, Salt Lake ARTCC.

**Using agency.** Idaho Army National Guard.

**R-3203C Boise, ID**

**Boundaries.** Beginning at lat. 43°12'30"N., long. 116°00'33"W.; to lat. 43°09'15"N., long. 116°00'03"W.; to lat. 43°06'00"N., long. 116°07'18"W.; to the point of beginning.

**Designated altitudes.** Surface to and including 6,000 feet MSL.

**Times of designation.** By NOTAM, 24 hours in advance.

**Controlling agency.** FAA, Salt Lake ARTCC.

**Using agency.** Idaho Army National Guard.

**R-3203D Boise, ID**

**Boundaries.** Beginning at lat. 43°14'00"N., long. 116°16'33"W.; at lat. 43°17'51"N., long. 116°16'25"W.; at lat. 43°19'02"N., long. 116°14'45"W.; at lat. 43°19'02"N., long. 116°06'36"W.; at lat. 43°15'58"N., long. 116°01'12"W.; at lat. 43°15'00"N., long. 116°01'03"W.; at lat. 43°17'00"N., long. 116°05'03"W.; at lat. 43°17'00"N., long. 116°12'03"W.; to the point of beginning.

**Designated altitudes.** Surface to and including 22,000 feet MSL.

**Times of use.** As scheduled by NOTAM 24 hours in advance not to exceed three weeks annually.

**Controlling agency.** FAA Boise ATCT.

**Using agency.** Commanding General Idaho Army National Guard.

AMENDMENTS 3/22/01 65 FR 78915 (Added)

**R-3204A Juniper Buttes, ID**

**Boundaries.** Beginning at lat. 42°20'00"N., long. 115°22'30"W.; at lat. 42°20'00"N., long. 115°18'00"W.; at lat. 42°19'00"N., long. 115°17'00"W.; at lat. 42°16'35"N., long. 115°17'00"W.; at lat. 42°16'35"N., long. 115°22'30"W.; to point of beginning.

**Designated altitudes.** Surface to 100 feet AGL.

**Times of use.** 0730-2200 local time, Monday through Friday, other times by NOTAM.

**Controlling agency.** FAA, Salt Lake City, ARTCC.

**Using agency.** USAF, 366th Wing, Mountain Home AFB, ID.

AMENDMENTS 9/6/01 66 FR 34808 (Added)

Corr: 66 FR 50310

**R-3204B Juniper Buttes, ID**

**Boundaries.** The airspace within a 5-NM radius centered on lat. 42°18'00"N., long. 115°20'00"W. **Designated altitudes.** 100 feet AGL to but not including FL 180.

**Times of use.** 0730-2200 local time, Monday through Friday, other times by NOTAM.

**Controlling agency.** FAA, Salt Lake City, ARTCC.

**Using agency.** USAF, 366th Wing, Mountain Home AFB, ID.

AMENDMENTS 9/6/01 66 FR 34808 (Added)

**R-3204C Juniper Buttes, ID**

**Boundaries.** The airspace within a 5-NM radius centered on lat. 42°18'00"N., long. 115°20'00"W. **Designated altitudes.** FL 180 to FL 290.

**Times of use.** 0730-2200 local time, Monday through Friday, other times by NOTAM.

**Controlling agency.** FAA, Salt Lake City, ARTCC.

**Using agency.** USAF, 366th Wing, Mountain Home AFB, ID.

AMENDMENTS 9/6/01 66 FR 34808 (Added)

**§73.33 Illinois****§73.34 Indiana****R-3401A Atterbury Reserve Forces Training Area, IN**

**Boundaries.** Beginning at lat. 39°21'30"N., long. 86°06'00"W.; to lat. 39°21'30"N., long. 85°59'30"W.; to lat. 39°13'00"N., long. 85°59'30"W.; to lat. 39°13'00"N., long. 86°06'00"W.; to the point of beginning.

**Designated altitudes.** Surface to 40,000 feet MSL.

**Time of designation.** May 1 through September 30 - Continuous; October 1 through April 30 - 0800-2300 local time, Tuesday through Saturday; other times by NOTAM.

**Controlling agency.** FAA, Indianapolis ARTCC.

**Using agency.** Adjutant General, State of Indiana, Indianapolis, IN.

AMENDMENTS 6/4/87 52 FR 11034 (Amended)

**R-3401B Atterbury Reserve Forces Training Area, IN**

**Boundaries.** Beginning at lat. 39°22'00"N., long. 86°06'40"W.; to lat. 39°22'00"N., long. 85°59'30"W.; to lat. 39°21'30"N., long. 85°59'30"W.; to lat. 39°21'30"N., long. 86°06'00"W.; to lat. 39°13'00"N., long. 86°06'00"W.; to lat. 39°13'00"N., long. 85°59'30"W.; to lat. 39°12'30"N., long. 85°59'30"W.; to lat. 39°12'30"N., long. 86°09'50"W.; to lat. 39°19'00"N., long. 86°11'20"W.; to the point of beginning.

**Designated altitude.** 1,200 feet AGL to and including 14,000 feet MSL.

**Time of designation.** May 1 through September 30 - Continuous; October 1 through April 30 - 0800-2300 local time, Tuesday through Saturday; other times by NOTAM.

**Controlling agency.** FAA, Indianapolis ARTCC.

**Using agency.** Adjutant General, State of Indiana, Indianapolis, IN.

AMENDMENTS 6/4/87 52 FR 11034 (Amended)

**R-3403A Jefferson Proving Ground, IN**

**Boundaries.** Beginning at lat. 39°02'57"N., long. 85°27'42"W.; to lat. 39°02'00"N., long. 85°22'00"W.; to lat. 38°56'06"N., long. 85°22'00"W.; to lat. 38°50'35"N., long. 85°22'50"W.; to lat. 38°50'00"N., long. 85°24'00"W.; to lat. 38°50'00"N., long. 85°27'42"W.; to the point of beginning.

**Designated altitudes.** Surface to 43,000 feet MSL.

**Time of designation.** Daily, 0630 to 2400, local time.

**Controlling agency.** FAA, Indianapolis ARTCC.

**Using agency.** Adjutant General, Indiana National Guard.

AMENDMENTS 11/9/95 60 FR 43708 (Amended)

**R-3403B Jefferson Proving Ground, IN**

**Boundaries.** Beginning at lat. 39°05'00"N., long. 85°30'00"W.; to lat. 39°05'00"N., long. 85°22'00"W.; to lat. 39°02'00"N., long. 85°22'00"W.; to lat. 39°02'57"N., long. 85°27'42"W.; to lat. 38°55'00"N., long. 85°27'42"W.; to lat. 38°57'30"N., long. 85°30'00"W.; to the point of beginning.

**Designated altitudes.** 1,200 feet AGL to FL 180.

**Time of designation.** Daily, 0800 to 2300, local time.

**Controlling agency.** FAA, Indianapolis ARTCC.

**Using agency.** Adjutant General, Indiana National Guard.

AMENDMENTS 2/2/95 59 FR 55996 (Amended)

**R-3404 Crane, IN**

**Boundaries.** A circular area 1 nautical mile in diameter, centered on lat. 38°49'18"N., long. 86°50'03"W.

**Designated altitudes.** Surface to 2,500 feet MSL.

**Time of designation.** Sunrise to sunset, daily from May 1 through and including November 1. Other times by NOTAM 24 hours in advance.

**Controlling agency.** FAA, Terre Haute ATCT.

**Using agency.** Commanding Officer, Naval Ammunition Depot, Crane, IN.

AMENDMENTS 12/15/88 53 FR 40410 (Amended)

**§73.35 Iowa**

**§73.36 Kansas****R-3601A Brookville, KS**

**Boundaries.** Beginning at lat. 38°45'20" N., long. 97°46'01" W.; to lat. 38°39'45" N., long. 97°46'01" W.; then southwest along the Missouri Pacific Railroad Track; to lat. 38°38'20" N., long. 97°47'31" W.; to lat. 38°38'20" N., long. 97°50'01" W.; to lat. 38°35'00" N., long. 97°50'01" W.; to lat. 38°35'00" N., long. 97°56'01" W.; to lat. 38°45'20" N., long. 97°56'01" W.; to the point of beginning.

**Designated altitudes.** Surface to but not including FL180.

**Time of designation.** Monday through Saturday, 0900 to 1700 local time; other times by NOTAM 6 hours in advance.

**Controlling agency.** FAA, Kansas City ARTCC.

**Using agency.** Air National Guard, 184th Air Refueling Wing, Detachment 1, Smoky Hill ANG Range, Salina, KS.

AMENDMENTS 8/30/07 72 FR 35917 (Revised)

**R-3601B Brookville, KS**

**Boundaries.** Beginning at lat. 38°45'20" N., long. 97°46'01" W.; to lat. 38°39'45" N., long. 97°46'01" W.; then southwest along the Missouri Pacific Railroad Track; to lat. 38°38'20" N., long. 97°47'31" W.; to lat. 38°38'20" N., long. 97°50'01" W.; to lat. 38°35'00" N., long. 97°50'01" W.; to lat. 38°35'00" N., long. 97°56'01" W.; to lat. 38°45'20" N., long. 97°56'01" W.; to the point of beginning.

**Designated altitudes.** FL180 to FL230.

**Time of designation.** Monday through Saturday, 0900 to 1700 local time; other times by NOTAM 6 hours in advance.

**Controlling agency.** FAA, Kansas City ARTCC.

**Using agency.** Air National Guard, 184th Air Refueling Wing, Detachment 1, Smoky Hill ANG Range, Salina, KS.

AMENDMENTS 8/30/07 72 FR 35917 (Revised)

**R-3602A Manhattan, KS**

**Boundaries.** Beginning at lat. 39°17'45"N., long. 96°49'51"W.; thence along the southern edge of the Chicago, Rock Island and Pacific Railroad right-of-way to lat. 39°18'33"N., long. 96°57'40"W.; thence south to the shoreline of the main body of Milford Reservoir at lat. 39°12'27"N., long. 96°57'40"W.; thence along the shoreline of the main body of Milford



Reservoir to lat. 39°10'58"N., long. 96°55'01"W.; to lat. 39°10'58"N., long. 96°53'14"W.; to lat. 39°08'22"N., long. 96°53'14"W.; to lat. 39°08'22"N., long. 96°49'53"W.; thence north along Old U.S. Highway No. 77 to the point of beginning.

**Designated altitudes.** Surface to 29,000 feet MSL.

**Time of designation.** Continuous.

**Controlling agency.** FAA, Kansas City ARTCC.

**Using agency.** Commanding General, Fort Riley, KS.

### **R-3602B Manhattan, KS**

**Boundaries.** Beginning at lat. 39°17'45"N., long. 96°49'51"W.; thence south along Old U.S. Highway No. 77 to lat. 39°07'54"N., long. 96°49'53"W.; to lat. 39°04'24"N., long. 96°52'23"W.; to lat. 39°04'24"N., long. 96°51'16"W.; thence clockwise along the arc of a 4 nautical mile radius circle centered on the Marshall Army Air Field RBN at lat. 39°01'34"N., long. 96°47'41"W.; to lat. 39°05'25"N., long. 96°46'18"W.; to lat. 39°06'25"N., long. 96°44'41"W.; to lat. 39°08'20"N., long. 96°43'01"W.; to lat. 39°09'23"N., long. 96°43'01"W.; to lat. 39°10'43"N., long. 96°40'56"W.; to lat. 39°12'17"N., long. 96°40'56"W.; to lat. 39°13'00"N., long. 96°42'36"W.; to lat. 39°13'16"N., long. 96°42'36"W.; thence along the southerly edge of the Chicago, Rock Island and Pacific Railroad right-of-way to the point of beginning.

**Designated altitudes.** Surface to 29,000 feet MSL.

**Time of designation.** Continuous.

**Controlling agency.** FAA, Kansas City ARTCC.

**Using agency.** Commanding General, Fort Riley, KS.

## **§73.37 Kentucky**

### **R-3701A Fort Campbell, KY**

**Boundaries.** Beginning at lat. 36°39'01"N., long. 87°34'15"W.; to lat. 36°39'01"N., long. 87°32'27"W.; to lat. 36°39'05"N., long. 87°31'18"W.; to lat. 36°39'20"N., long. 87°30'35"W.; to lat. 36°39'06"N., long. 87°28'57"W.; to lat. 36°39'18"N., long. 87°28'41"W.; to lat. 36°37'54"N., long. 87°28'38"W.; to lat. 36°37'09"N., long. 87°28'57"W.; to lat. 36°37'18"N., long. 87°32'05"W.; to lat. 36°37'22"N., long. 87°34'15"W.; to the point of beginning.

**Designated altitudes.** Surface to and including 5,000 feet MSL.

**Time of designation.** By NOTAM 24 hours in advance.

**Controlling agency.** U.S. Army, Fort Campbell Army Air Field Army Radar Approach Control.

**Using agency.** Commanding General, Fort Campbell, KY.

AMENDMENTS 12/13/90 55 FR 42363 (Amended)

**R-3702A Fort Campbell, KY**

**Boundaries.** Beginning at lat. 36°32'00"N., long. 87°32'30"W.; to lat. 36°37'18"N., long. 87°32'05"W.; to lat. 36°37'22"N., long. 87°34'15"W.; to lat. 36°39'01"N., long. 87°34'15"W.; to lat. 36°39'00"N., long. 87°40'00"W.; to lat. 36°42'00"N., long. 87°40'30"W.; to lat. 36°43'30"N., long. 87°43'00"W.; to lat. 36°43'30"N., long. 87°48'15"W.; to lat. 36°37'30"N., long. 87°48'15"W.; to lat. 36°35'30"N., long. 87°45'00"W.; to lat. 36°33'30"N., long. 87°42'30"W.; to lat. 36°32'00"N., long. 87°35'00"W.; to the point of beginning.

**Designated altitudes.** Surface to 10,000 feet MSL.

**Time of designation.** By NOTAM 24 hours in advance.

**Controlling agency.** FAA, Memphis ARTCC.

**Using agency.** Commanding General, Fort Campbell, KY.

AMENDMENTS 10/25/07 72 FR 45156 (Revised)

**R-3702B Fort Campbell, KY**

**Boundaries.** Beginning at lat. 36°32'00"N., long. 87°32'30"W.; to lat. 36°37'18"N., long. 87°32'05"W.; to lat. 36°37'22"N., long. 87°34'15"W.; to lat. 36°39'01"N., long. 87°34'15"W.; to lat. 36°39'00"N., long. 87°40'00"W.; to lat. 36°42'00"N., long. 87°40'30"W.; to lat. 36°43'30"N., long. 87°43'00"W.; to lat. 36°43'30"N., long. 87°48'15"W.; to lat. 36°37'30"N., long. 87°48'15"W.; to lat. 36°35'30"N., long. 87°45'00"W.; to lat. 36°33'30"N., long. 87°42'30"W.; to lat. 36°32'00"N., long. 87°35'00"W.; to the point of beginning.

**Designated altitudes.** 10,000 feet MSL to FL 220.

**Time of designation.** By NOTAM 24 hours in advance.

**Controlling agency.** FAA, Memphis ARTCC.

**Using agency.** Commanding General, Fort Campbell, KY.

AMENDMENTS 10/25/07 72 FR 45156 (Revised)

**R-3702C Fort Campbell, KY**

**Boundaries.** Beginning at lat. 36°32'00"N., long. 87°32'30"W.; to lat. 36°37'18"N., long. 87°32'05"W.; to lat. 36°37'22"N., long. 87°34'15"W.; to lat. 36°39'01"N., long. 87°34'15"W.; to lat. 36°39'00"N., long. 87°40'00"W.; to lat. 36°42'00"N., long. 87°40'30"W.; to lat. 36°43'30"N., long. 87°43'00"W.; to lat. 36°43'30"N., long. 87°48'15"W.; to lat. 36°37'30"N., long. 87°48'15"W.; to lat. 36°35'30"N., long. 87°45'00"W.; to lat. 36°33'30"N., long. 87°42'30"W.; to lat. 36°32'00"N., long. 87°35'00"W.; to the point of beginning.

**Designated altitudes.** FL 220 to FL 270.

**Time of designation.** By NOTAM 24 hours in advance.

**Controlling agency.** FAA, Memphis ARTCC.

**Using agency.** Commanding General, Fort Campbell, KY.

**R-3704A Fort Knox, KY**

**Boundaries.** Beginning at lat. 37°59'00"N., long. 85°45'00"W.; to lat. 37°47'30"N., long. 85°45'00"W.; to lat. 37°47'30"N., long. 85°55'30"W.; along U. S. Highway 31-W to lat.

37°50'45"N., long. 85°57'00"W.; along Wilson Road to lat. 37°55'17"N., long. 85°56'46"W.; to lat. 37°55'17"N., long. 85°57'16"W.; to lat. 37°56'04"N., long. 85°57'33"W.; to lat. 37°56'23"N., long. 85°57'00"W.; along Wilson Road to lat. 37°58'00"N., long. 85°57'45"W.; along the Illinois Central Railroad to lat. 37°59'00"N., long. 85°57'00"W.; to lat. 38°01'00"N., long. 85°54'30"W.; along Kentucky Route 44 to lat. 38°00'30"N., long. 85°52'00"W.; to lat. 37°59'00"N., long. 85°52'00"W.; to the point of beginning.

**Designated altitudes.** Surface to and including 10,000 feet MSL.

**Time of designation.** 0600 to 2400 EST; other times by NOTAM 24 hours in advance.

**Controlling agency.** FAA, Standiford Control Tower, Louisville, KY.

**Using agency.** Commanding General, U.S. Army Armor Center, Fort Knox, KY.

### **R-3704B Fort Knox, KY**

**Boundaries.** Beginning at lat. 37°59'00"N., long. 85°45'00"W.; to lat. 37°47'30"N., long. 85°45'00"W.; to lat. 37°47'30"N., long. 85°55'30"W.; along U. S. Highway 31-W to lat. 37°50'45"N., long. 85°57'00"W.; along Wilson Road to lat. 37°55'17"N., long. 85°56'46"W.; to lat. 37°55'17"N., long. 85°57'16"W.; to lat. 37°56'04"N., long. 85°57'33"W.; to lat. 37°56'23"N., long. 85°57'00"W.; along Wilson Road to lat. 37°58'00"N., long. 85°57'45"W.; along the Illinois Central Railroad to lat. 37°59'00"N., long. 85°57'00"W.; to lat. 38°01'00"N., long. 85°54'30"W.; along Kentucky Route 44 to lat. 38°00'30"N., long. 85°52'00"W.; to lat. 37°59'00"N., long. 85°52'00"W.; to the point of beginning.

**Designated altitudes.** 10,000 feet MSL to 20,000 feet MSL.

**Time of designation.** By NOTAM 24 hours in advance.

**Controlling agency.** FAA, Standiford Control Tower, Louisville, KY.

**Using agency.** Commanding General, U.S. Army Armor Center, Fort Knox, KY.

## **§73.38 Louisiana**

### **R-3801A Camp Claiborne, LA**

**Boundaries.** Beginning at lat. 31°11'46"N., long. 92°30'16"W.; to lat. 31°05'16"N., long. 92°34'51"W.; to lat. 31°13'56"N., long. 92°49'46"W.; to lat. 31°18'01"N., long. 92°46'31"W.; to lat. 31°15'16"N., long. 92°41'46"W.; to lat. 31°17'11"N., long. 92°40'11"W.; to the point of beginning.

**Designated altitudes.** Surface to, but not including, 10,000 feet MSL.

**Time of designation.** 0800-2200 local time, Monday-Friday; other times by NOTAM

**Controlling agency.** U.S. Army, Fort Polk Approach Control.

**Using agency.** U.S. Air Force, 917 Fighter Wing, Barksdale AFB, LA.

AMENDMENTS 6/10/04 69 FR 21053 (Amended)

**R-3801B Camp Claiborne, LA**

**Boundaries.** Beginning at lat. 31°11'46"N., long. 92°30'16"W.; to lat. 31°05'16"N., long. 92°34'51"W.; to lat. 31°13'56"N., long. 92°49'46"W.; to lat. 31°18'01"N., long. 92°46'31"W.; to lat. 31°15'16"N., long. 92°41'46"W.; to lat. 31°17'11"N., long. 92°40'11"W.; to the point of beginning.

**Designated altitudes.** 10,000 feet MSL to, but not including, FL 180.

**Time of designation.** 0800-2200 local time, Monday-Friday; other times by NOTAM

**Controlling agency.** U.S. Army, Fort Polk Approach Control.

**Using agency.** U.S. Air Force, 917 Fighter Wing, Barksdale AFB, LA.

AMENDMENTS 6/10/04 69 FR 21053 (Amended)

**R-3801C Camp Claiborne, LA**

**Boundaries.** Beginning at lat. 31°11'46"N., long. 92°30'16"W.; to lat. 31°05'16"N., long. 92°34'51"W.; to lat. 31°13'56"N., long. 92°49'46"W.; to lat. 31°18'01"N., long. 92°46'31"W.; to lat. 31°15'16"N., long. 92°41'46"W.; to lat. 31°17'11"N., long. 92°40'11"W.; to the point of beginning.

**Designated altitudes.** FL 180 to FL 230.

**Time of designation.** 0800-2200 local time, Monday-Friday; other times by NOTAM

**Controlling agency.** U.S. Army, Fort Polk Approach Control.

**Using agency.** U.S. Air Force, 917 Fighter Wing, Barksdale AFB, LA.

AMENDMENTS 6/10/04 69 FR 21053 (Amended)

**R-3803A Fort Polk, LA**

**Boundaries.** Beginning at lat. 31°23'37"N., long. 93°09'58"W.; to lat. 31°23'13"N., long. 93°09'49"W.; to lat. 31°22'01"N., long. 93°10'06"W.; to lat. 31°19'17"N., long. 93°11'11"W.; to lat. 31°19'17"N., long. 93°20'16"W.; to lat. 31°24'31"N., long. 93°20'16"W.; to lat. 31°24'31"N., long. 93°16'43"W.; to lat. 31°23'36"N., long. 93°13'25"W.; to the point of beginning.

**Designated altitudes.** Surface to FL 180.

**Time of designation.** Continuous.

**Controlling agency.** FAA, Houston ARTCC.

**Using agency.** Commanding General, Fort Polk, LA.

**R-3803B Fort Polk, LA**

**Boundaries.** Beginning at lat. 31°23'37"N., long. 93°09'58"W.; to lat. 31°23'13"N., long. 93°09'49"W.; to lat. 31°22'01"N., long. 93°10'06"W.; to lat. 31°19'17"N., long. 93°11'11"W.; to lat. 31°19'17"N., long. 93°20'16"W.; to lat. 31°24'31"N., long. 93°20'16"W.; to lat. 31°24'31"N., long. 93°16'43"W.; to lat. 31°23'36"N., long. 93°13'25"W.; to the point of beginning.

**Designated altitudes.** FL 180 up to but not including FL 350.

**Time of designation.** As activated by NOTAM issued at least 24 hours in advance.

**Controlling agency.** FAA, Houston ARTCC.

**Using agency.** Commanding General, Fort Polk, LA.

**R-3804A Fort Polk, LA**

**Boundaries.** Beginning at lat. 31°00'53"N., long. 93°08'12"W.; to lat. 31°00'53"N., long. 92°56'53"W.; to lat. 31°00'20"N., long. 92°56'14"W.; to lat. 31°00'20"N., long. 92°54'23"W.; to lat. 31°03'55"N., long. 92°51'34"W.; to lat. 31°09'35"N., long. 92°58'25"W.; to lat. 31°09'35"N., long. 93°00'56"W.; to lat. 31°08'43"N., long. 93°01'55"W.; to lat. 31°08'43"N., long. 93°08'12"W.; to the point of beginning.

**Designated altitudes.** Surface to FL 180.

**Time of designation.** Continuous.

**Controlling agency.** FAA, Houston ARTCC.

**Using agency.** Commanding General, Fort Polk, LA.

**R-3804B Fort Polk, LA**

**Boundaries.** Beginning at lat. 31°00'53"N., long. 93°10'53"W.; to lat. 31°00'53"N., long. 93°08'12"W.; to lat. 31°06'12"N., long. 93°08'12"W.; to lat. 31°04'15"N., long. 93°12'31"W.; to the point of beginning.

**Designated altitudes.** Surface to 3,000 feet MSL.

**Time of designation.** Continuous.

**Controlling agency.** FAA, Houston ARTCC.

**Using agency.** Commanding General, Fort Polk, LA.

**R-3804C Fort Polk, LA**

**Boundaries.** Beginning at lat. 31°00'53"N., long. 93°08'12"W.; to lat. 31°00'53"N., long. 92°56'53"W.; to lat. 31°00'20"N., long. 92°56'14"W.; to lat. 31°00'20"N., long. 92°54'23"W.; to lat. 31°03'55"N., long. 92°51'34"W.; to lat. 31°09'35"N., long. 92°58'25"W.; to lat. 31°09'35"N., long. 93°00'56"W.; to lat. 31°08'43"N., long. 93°01'55"W.; to lat. 31°08'43"N., long. 93°08'12"W.; to the point of beginning.

**Designated altitudes.** FL 180 up to but not including FL 350.

**Time of designation.** As published by NOTAM 24 hours in advance.

**Controlling agency.** FAA, Houston ARTCC.

**Using agency.** Commanding General, Fort Polk, LA.

**R-3807 Glencoe, LA**

**Boundaries.** A 3-nautical-mile radius centered at lat. 29°48'37"N., long. 91°39'47"W.

**Designated altitudes.** Surface to 15,000 feet MSL.

**Time of designation.** Continuous.

**Controlling agency.** FAA, Houston ARTCC

**Using agency.** Western Air Defense Sector (WADS), McChord AFB, WA.

AMENDMENTS 11/20/08 73 FR 53359 (Amended)

**§73.39 Maine****§73.40 Maryland****R-4001A Aberdeen, MD**

**Boundaries.** Beginning at lat. 39°30'30"N., long. 76°09'59"W.; to lat. 39°29'00"N., long. 76°07'59"W.; to lat. 39°29'30"N., long. 76°04'59"W.; to lat. 39°27'00"N., long. 76°00'29"W.; to lat. 39°19'47"N., long. 76°11'33"W.; to lat. 39°17'30"N., long. 76°12'58"W.; to lat. 39°16'24"N., long. 76°16'17"W.; to lat. 39°17'13"N., long. 76°18'48"W.; to lat. 39°18'42"N., long. 76°18'48"W.; to lat. 39°21'12"N., long. 76°21'59"W.; to lat. 39°22'00"N., long. 76°21'59"W.; to lat. 39°23'28"N., long. 76°20'39"W.; to lat. 39°26'10"N., long. 76°14'49"W.; to lat. 39°27'00"N., long. 76°12'29"W.; to the point of beginning.

**Designated altitudes and time of designation.**

1. Surface to unlimited, 0700 to 2400 local time.
2. Surface to 10,000 feet MSL, 0000 to 0700 local time; higher altitudes by NOTAM issued 24 hours in advance.

**Controlling agency.** FAA, Washington ARTCC.

**Using agency.** Commanding Officer, Aberdeen Proving Ground, MD.

**R-4001B Aberdeen, MD**

**Boundaries.** Beginning at lat. 39°17'30"N., long. 76°12'58"W.; to lat. 39°12'10"N., long. 76°16'29"W.; to lat. 39°12'45"N., long. 76°22'29"W.; to lat. 39°17'30"N., long. 76°19'44"W.; to lat. 39°18'30"N., long. 76°21'59"W.; to lat. 39°21'12"N., long. 76°21'59"W.; to lat. 39°18'42"N., long. 76°18'48"W.; to lat. 39°17'13"N., long. 76°18'48"W.; to lat. 39°16'24"N., long. 76°16'17"W.; to the point of beginning.

**Designated altitudes.** Surface to 10,000 feet MSL, higher altitudes by NOTAM issued 24 hours in advance.

**Time of designation.** Intermittent, as activated by NOTAM 24 hours in advance.

**Controlling agency.** FAA, Washington ARTCC.

**Using agency.** Commanding Officer, Aberdeen Proving Ground, MD.

**R-4002 Bloodsworth Island, MD**

**Boundaries.** Beginning at lat. 38°13'00"N., long. 75°59'59"W.; to lat. 38°08'00"N., long. 75°59'59"W.; to lat. 38°08'00"N., long. 76°08'49"W.; to lat. 38°13'00"N., long. 76°11'19"W.; to the point of beginning.

**Designated altitudes.** Surface to and including 20,000 feet MSL.

**Time of designation.** From sunrise to 2400 hours, local time, daily, other times as specified in a NOTAM issued 48 hours in advance.

**Controlling agency.** FAA, Washington ARTCC.

**Using agency.** Commanding Officer, Naval Amphibious School Little Creek, Norfolk, VA.

**R-4005 Patuxent River, MD**

**Boundaries.** Beginning at lat. 38°05'40"N., long. 76°33'31"W.; to lat. 38°11'10"N., long. 76°25'09"W.; to lat. 38°18'20"N., long. 76°17'04"W.; to lat. 38°18'26"N., long. 76°14'29"W.; to lat. 38°13'00"N., long. 76°11'19"W.; to lat. 38°08'00"N., long. 76°08'49"W.; to lat. 37°55'15"N., long. 76°02'29"W.; to lat. 37°53'10"N., long. 76°13'59"W.; to the point of beginning.

**Designated altitudes.** Surface to but not including FL 250.

**Time of designation.** 0700-2300 local time, daily; other times as specified by NOTAM.

**Controlling agency.** FAA, Washington ARTCC.

**Using agency.** Commanding Officer, NAS Patuxent River, MD.

AMENDMENTS 4/6/89 54 FR 6879 (Amended)

Corr: 54 FR 13877

**R-4006 Patuxent River, MD**

**Boundaries.** Beginning at lat. 38°41'15"N., long. 75°45'59"W.; to lat. 38°32'30"N., long. 75°43'44"W.; to lat. 38°19'00"N., long. 75°36'59"W.; to lat. 37°55'00"N., long. 75°52'29"W.; to lat. 37°45'00"N., long. 75°58'44"W.; to lat. 37°45'00"N., long. 76°23'29"W.; to lat. 37°50'30"N., long. 76°31'59"W.; to lat. 38°05'10"N., long. 76°34'14"W.; to lat. 38°11'10"N., long. 76°25'09"W.; to lat. 38°30'00"N., long. 76°03'59"W.; to lat. 38°36'00"N., long. 75°55'29"W.; along the Pennsylvania Railroad to the point of beginning, excluding R-4002, R-4005, and R-6609.

**Designated altitudes.** 3,500 feet MSL to but not including FL 250.

**Time of designation.** 0700-2300 local time, daily; other times as specified by NOTAM.

**Controlling agency.** FAA, Washington ARTCC.

**Using agency.** Commanding Officer, NAS Patuxent River, MD.

AMENDMENTS 4/6/89 54 FR 6879 (Amended)

Corr: 54 FR 13877

**R-4007 Patuxent River, MD**

**Boundaries.** Beginning at lat. 38°21'00" N., long. 76°13'59" W.; to lat. 38°11'10" N., long. 76°25'09" W.; to lat. 38°05'10" N., long. 76°34'04" W.; to lat. 38°15'00" N., long. 76°36'34" W.; to lat. 38°17'25" N., long. 76°32'59" W.; to lat. 38°25'40" N., long. 76°23'34" W.; to the point of beginning.

**Designated Altitudes.** Surface to but not including 5,000 feet MSL.

**Time of designation.** 0700-2300 local time, daily; other times as specified by NOTAM.

**Controlling agency.** FAA, Washington ARTCC.

**Using agency.** Commanding Officer, NAS Patuxent River, MD.

AMENDMENTS 2/26/98 62 FR 65359 (Added)

**R-4008 Patuxent River, MD**

**Boundaries.** Beginning at lat. 38°42'00"N., long. 75°51'59"W.; to lat. 38°40'00"N., long. 75°34'59"W.; to lat. 38°20'00"N., long. 75°38'59"W.; to lat. 37°45'00"N., long. 76°10'59"W.; to lat. 37°45'00"N., long. 76°23'59"W.; to lat. 37°51'00"N., long. 76°31'59"W.; to lat. 37°55'00"N., long. 76°32'59"W.; to lat. 38°17'00"N., long. 76°17'59"W.; thence to the point of beginning.

**Designated altitudes.** FL 250 to FL 850.

**Time of designation.** 0700-2300 local time, daily; other times as specified by NOTAM.

**Controlling agency.** FAA, Washington ARTCC.

**Using agency.** U.S. Navy, Commanding Officer, NAS Patuxent River, MD

AMENDMENTS 4/6/89 54 FR 6879 (Amended)

Corr: 54 FR 13877

**R-4009 Thurmont, MD**

**Boundaries.** That airspace within a 3 NM radius of the Naval Support Facility (lat. 39°38'53" N., long. 77°28'00"W.).

**Designated altitudes.** 5,000 feet MSL to 12,500 feet MSL.

**Time of designation.** Continuous: Transit may be authorized by Washington ARTCC when conditions permit.

**Controlling agency.** FAA, Washington ARTCC.

**Using agency.** FAA, Washington ARTCC.

**§73.41 Massachusetts****R-4101 Camp Edwards, MA**

**Boundaries.** Beginning at lat. 41°40'52"N., long. 70°33'07"W.; to lat. 41°41'01"N., long. 70°33'58"W.; to lat. 41°41'58"N., long. 70°34'56"W.; to lat. 41°42'52"N., long. 70°34'56"W.; to lat. 41°43'52"N., long. 70°34'30"W.; to lat. 41°44'30"N., long. 70°34'14"W.; to lat. 41°45'17"N., long. 70°34'11"W.; to lat. 41°45'12"N., long. 70°33'59"W.; to lat. 41°46'07"N., long. 70°33'02"W.; to lat. 41°45'18"N., long. 70°31'16"W.; to lat. 41°44'37"N., long. 70°30'40"W.; to lat. 41°44'11"N., long. 70°29'38"W.; to lat. 41°43'06"N., long. 70°30'06"W.; to lat. 41°43'07"N., long. 70°30'34"W.; to lat. 41°42'45"N., long. 70°30'48"W.; to lat. 41°42'38"N., long. 70°30'31"W.; to lat. 41°41'51"N., long. 70°30'50"W.; to lat. 41°41'38"N., long. 70°31'16"W.; to



lat. 41°41'20"N., long. 70°31'27"W.; to lat. 41°41'18"N., long. 70°31'24"W.; to lat. 41°41'06"N., long. 70°31'52"W.; to the point of beginning.

**Designated altitudes.** Surface to 9,000 feet MSL.

**Time of designation.** From 0600 to 1800 local time, daily, or other times as specified by NOTAM issued 48 hours in advance.

**Controlling agency.** FAA, Cape Approach Control.

**Using agency.** Commander, U.S. Army Garrison, Camp Edwards, MA.

AMENDMENTS 9/16/93 58 FR 39651 (Amended)

#### **R-4102A Fort Devens, MA**

**Boundaries.** Beginning at lat. 42°31'15"N., long. 71°36'28"W.; to lat. 42°31'00"N., long. 71°39'13"W.; to lat. 42°30'45"N., long. 71°39'13"W.; to lat. 42°30'15"N., long. 71°39'58"W.; to lat. 42°29'45"N., long. 71°41'13"W.; to lat. 42°28'15"N., long. 71°41'13"W.; to lat. 42°28'00"N., long. 71°39'43"W.; to lat. 42°29'45"N., long. 71°37'43"W.; thence to the point of beginning.

**Designated altitudes.** Surface to but not including 2,000 feet MSL.

**Time of designation.** 0800 to 2200 Saturday local time; other times by NOTAM issued 24 hours in advance.

**Controlling agency.** FAA, Boston Approach Control.

**Using agency.** Chief, Reserve Component Division, Devens Reserve Forces Training Area, Ayer, MA.

AMENDMENTS 6/20/96 61 FR 20127 (Amended)

#### **R-4102B Fort Devens, MA**

**Boundaries.** Beginning at lat. 42°31'15"N., long. 71°36'28"W.; to lat. 42°31'00"N., long. 71°39'13"W.; to lat. 42°30'45"N., long. 71°39'13"W.; to lat. 42°30'15"N., long. 71°39'58"W.; to lat. 42°29'45"N., long. 71°41'13"W.; to lat. 42°28'15"N., long. 71°41'13"W.; to lat. 42°28'00"N., long. 71°39'43"W.; to lat. 42°29'45"N., long. 71°37'43"W.; thence to the point of beginning.

**Designated altitudes.** 2,000 feet MSL to 3,995 feet MSL.

**Time of designation.** 0800 to 2200 Saturday local time; other times by NOTAM issued 24 hours in advance.

**Controlling agency.** FAA, Boston Approach Control.

**Using agency.** Chief, Reserve Component Division, Devens Reserve Forces Training Area, Ayer, MA.

AMENDMENTS 6/20/96 61 FR 20127 (Amended)

#### **R-4105A No Man's Land Island, MA**

**Boundaries.** A circular area within a 3-mile radius centered at lat. 41°15'30"N., long. 70°48'38"W.

**Designated altitudes.** Surface to but not including 10,000 feet MSL.

**Time of designation.** Sunrise to sunset, other times by NOTAM at least 48 hours in advance.

**Controlling agency.** FAA, Cape Approach Control.

**Using agency.** ANG, 104th Fighter Wing, Barnes Municipal Airport, Westfield, MA.

AMENDMENTS 2/26/98 62 FR 67711 (Amended)

#### **R-4105B No Man's Land Island, MA**

**Boundaries.** A circular area within a 3-mile radius centered at lat. 41°15'30"N., long. 70°48'38"W.

**Designated altitudes.** 10,000 feet MSL to but not including 18,000 feet MSL.

**Time of designation.** Sunrise to sunset, other times by NOTAM at least 48 hours in advance.

**Controlling agency.** FAA, Cape Approach Control.

**Using agency.** ANG, 104th Fighter Wing, Barnes Municipal Airport, Westfield, MA.

AMENDMENTS 2/26/98 62 FR 67711 (Amended)

### **§73.42 Michigan**

#### **R-4201A Camp Grayling, MI**

**Boundaries.** Beginning at lat. 44°56'00"N., long. 84°29'00"W.; to lat. 44°47'00"N., long. 84°29'00"W.; to lat. 44°47'00"N., long. 84°39'00"W.; to lat. 44°56'00"N., long. 84°39'00"W.; to the point of beginning.

**Designated altitudes.** Surface to 23,000 feet MSL.

**Time of designation.** 0800-1600 local time, Tuesday-Saturday; other times by NOTAM.

**Controlling agency.** FAA, Minneapolis ARTCC.

**Using agency.** Commander, Camp Grayling, Grayling, MI.

#### **R-4201B Camp Grayling, MI**

**Boundaries.** Beginning at lat. 44°47'00"N., long. 84°29'00"W.; to lat. 44°41'00"N., long. 84°29'00"W.; to lat. 44°41'00"N., long. 84°40'00"W.; to lat. 44°43'00"N., long. 84°40'00"W.; to lat. 44°43'00"N., long. 84°38'00"W.; to lat. 44°47'00"N., long. 84°38'00"W.; to the point of beginning.

**Designated altitudes.** Surface to 9,000 feet MSL.

**Time of designation.** 0001 Saturday-2359 Sunday local time; other times by NOTAM.

**Controlling agency.** FAA, Minneapolis ARTCC.

**Using agency.** Commander, Camp Grayling, Grayling, MI.

**R-4202 Lake Margrethe, MI**

**Boundaries.** Beginning at lat. 44°36'45"N., long. 84°51'00"W.; to lat. 44°36'45"N., long. 84°48'00"W.; to lat. 44°34'15"N., long. 84°48'00"W.; to lat. 44°34'15"N., long. 84°50'00"W.; to lat. 44°35'00"N., long. 84°51'00"W.; to the point of beginning.

**Designated altitudes.** Surface to 8,200 feet MSL.

**Time of designation.** September 1 through May 31 by NOTAM 24 hours in advance; and June 1 through August 31 with specific dates to be published by NOTAM.

**Controlling agency.** FAA, Minneapolis ARTCC.

**Using agency.** Commander, Camp Grayling, Grayling, MI.

AMENDMENTS 7/30/87 52 FR 16832 (Amended)

**R-4207 Upper Lake Huron, MI**

**Boundaries.** Beginning at lat. 45°17'00"N., long. 83°00'00"W.; to lat. 45°20'24"N., long. 82°31'18"W.; along the United States-Canadian Border to lat. 44°31'00"N., long. 82°19'54"W.; to lat. 44°27'42"N., long. 82°47'08"W.; to the point of beginning.

**Designated altitudes.** Surface to FL 450.

**Time of designation.** Intermittent, sunrise to sunset by NOTAM.

**Controlling agency.** FAA, Minneapolis ARTCC.

**Using agency.** Commander, Permanent Field Training Site Detachment, Phelps-Collins ANGB, Alpena, MI.

AMENDMENTS 2/2/95 59 FR 59134 (Amended)

**§73.43 Minnesota****R-4301 Camp Ripley, MN**

**Boundaries.** Beginning at lat. 46°18'54"N., long. 94°29'03"W.; thence along south bank of Crow Wing River and west bank of Mississippi River to lat. 46°10'49"N., long. 94°21'53"W.; to lat. 46°07'11"N., long. 94°21'53"W.; thence along the west bank of Mississippi River to lat. 46°06'22"N., long. 94°21'11"W.; to lat. 46°06'22"N., long. 94°22'16"W.; to lat. 46°06'03"N., long. 94°22'16"W.; to lat. 46°06'03"N., long. 94°26'07"W.; to lat. 46°08'00"N., long. 94°26'07"W.; to lat. 46°08'00"N., long. 94°30'01"W.; to lat. 46°18'18"N., long. 94°30'01"W.; to the point of beginning.

**Designated altitudes.** Surface to 27,000 feet MSL.

**Time of designation.** 0730 to 2400 local times daily. Other times as specified by NOTAM issued 24 hours in advance.

**Controlling agency.** FAA, Minneapolis ARTCC.

**Using agency.** Commanding Officer, Camp Ripley, MN.

**R-4305 Lake Superior, MN**

**Boundaries.** Beginning at lat. 47°45'00"N., long. 90°00'00"W.; to lat. 47°45'00"N., long. 89°28'00"W.; to lat. 46°55'00"N., long. 89°28'01"W.; to lat. 46°55'00"N., long. 90°05'01"W.; to lat. 47°35'00"N., long. 90°05'00"W.; to the point of beginning.

**Designated altitudes.** Surface to FL 450.

**Time of designation.** Intermittent by NOTAM, 4 hours in advance.

**Controlling agency.** FAA, Minneapolis ARTCC.

**Using agency.** USAF, 55th Wing, Offutt AFB, NE.

AMENDMENTS 8/8/02 67 FR 41820 (Amended)

**§73.44 Mississippi****R-4401A Camp Shelby, MS**

**Boundaries.** Beginning at lat. 31°12'55"N., long. 89°11'03"W.; to lat. 31°11'49"N., long. 89°00'00"W.; to lat. 31°10'16"N., long. 88°56'34"W.; to lat. 31°09'11"N., long. 88°56'34" W.; thence southwest along Mississippi State Highway No. 15 to lat. 31°04'37"N., long. 88°59'24" W.; to lat. 31°04'37"N., long. 89°11'03"W.; to the point of beginning.

**Designated altitudes.** Surface to 4,000 feet MSL.

**Time of designation.** As activated by NOTAM at least 24 hours in advance. NOTAMs to contain information concerning deactivation of area.

**Controlling agency.** FAA, Houston ARTCC.

**Using agency.** Adjutant General, state of Mississippi, Jackson, MS.

**R-4401B Camp Shelby, MS**

**Boundaries.** Beginning at lat. 31°12'55"N., long. 89°11'03"W.; to lat. 31°11'49"N., long. 89°00'00"W.; to lat. 31°10'16"N., long. 88°56'34"W.; to lat. 31°09'11"N., long. 88°56'34" W.; thence southwest along Mississippi State Highway No. 15 to lat. 31°04'37"N., long. 88°59'24"W.; to lat. 31°04'37"N., long. 89°11'03"W.; to the point of beginning.

**Designated altitudes.** 4,000 feet MSL to 18,000 feet MSL.

**Time of designation.** As activated by NOTAM at least 24 hours in advance. NOTAMs to contain information concerning deactivation of area.

**Controlling agency.** FAA, Houston ARTCC.

**Using agency.** Adjutant General, state of Mississippi, Jackson, MS.

**R-4401C Camp Shelby, MS**

**Boundaries.** Beginning at lat. 31°12'55"N., long. 89°11'03"W.; to lat. 31°11'49"N., long. 89°00'00"W.; to lat. 31°10'16"N., long. 88°56'34"W.; to lat. 31°09'11"N., long. 88°56'34" W.; thence southwest along Mississippi State Highway No. 15 to lat. 31°04'37"N., long. 88°59'24"W.; to lat. 31°04'37"N., long. 89°11'03"W.; to the point of beginning.

**Designated altitudes.** 18,000 feet MSL to 29,000 feet MSL.

**Time of designation.** As activated by NOTAM at least 24 hours in advance. NOTAMs to contain information concerning deactivation of area.

**Controlling agency.** FAA, Houston ARTCC.

**Using agency.** Adjutant General, state of Mississippi, Jackson, MS.

#### **R-4403 Gainesville, MS**

**Boundaries.** Beginning at lat. 30°21'03"N., long. 89°36'53"W.; to lat. 30°22'34"N., long. 89°36'53"W.; to lat. 30°22'35"N., long. 89°34'05"W.; to lat. 30°21'04"N., long. 89°34'04"W.; to the point of beginning.

**Designated altitudes.** From surface to 5,000 feet MSL.

**Time of designation.** Intermittent, 0600-2300 local time daily; other times by NOTAM 24 hours in advance

**Controlling agency.** FAA, Houston ARTCC.

**Using agency.** Manager, Mississippi Test Operations, National Aeronautics and Space Administration, Bay St Louis, MS.

AMENDMENTS 12/27/01 66 FR 53951 (Amended)

#### **R-4404A Macon, MS**

**Boundaries.** Beginning at lat. 33°02'39"N., long. 88°42'37"W.; to lat. 33°04'30"N., long. 88°40'18"W.; to lat. 33°03'34"N., long. 88°39'08"W.; to lat. 33°01'43"N., long. 88°41'23"W.; to the point of beginning.

**Designated altitudes.** Surface to 11,500 feet MSL.

**Time of designation.** Intermittent, 0700-1800 local time, daily; other times by NOTAM 24 hours in advance.

**Controlling agency.** FAA, Memphis ARTCC.

**Using agency.** Commander, Training Wing One, NAS, Meridian, MS.

AMENDMENTS 7/30/87 52 FR 21250 (Amended)

#### **R-4404B Macon, MS**

**Boundaries.** A circle with a 5-nautical-mile radius centered at lat. 33°03'11"N., long. 88°40'41"W.

**Designated altitudes.** From 1,200 feet AGL to 11,500 feet MSL.

**Time of designation.** Intermittent, 0700-1800 local time, daily; other times by NOTAM 24 hours in advance.

**Controlling agency.** FAA, Memphis ARTCC.

**Using agency.** Commander, Training Wing One, NAS, Meridian, MS.

AMENDMENTS 7/30/87 52 FR 21250 (Amended)

**R-4404C Macon, MS**

**Boundaries.** A circle with a 5-nautical-mile radius centered at lat. 33°03'11"N., long. 88°40'41"W.

**Designated altitudes.** 11,500 feet MSL to 14,500 feet MSL.

**Time of designation.** Intermittent, 0700-1800 local time, daily; other times by NOTAM 24 hours in advance.

**Controlling agency.** FAA, Memphis ARTCC.

**Using agency.** Commander, Training Wing One, NAS, Meridian, MS.

AMENDMENTS 7/30/87 52 FR 21250 (Amended)

**§73.45 Missouri****R-4501A Fort Leonard Wood West, MO**

**Boundaries.** Beginning at lat. 37°41'06"N., long. 92°09'18"W.; to lat. 37°38'15"N., long. 92°09'18"W.; to lat. 37°37'35"N., long. 92°10'38"W.; to lat. 37°36'15"N., long. 92°10'38"W.; to lat. 37°36'15"N., long. 92°15'22"W.; to lat. 37°39'28"N., long. 92°15'22"W.; to lat. 37°41'07"N., long. 92°14'24"W.; to the point of beginning.

**Designated altitudes.** Surface to but not including 2,200 feet MSL.

**Time of designation.** 0630-2100 Monday- Saturday; other times by NOTAM issued at least 24 hours in advance.

**Controlling agency.** FAA, Kansas City ARTCC.

**Using agency.** Commanding General, Fort Leonard Wood, MO.

AMENDMENTS 1/25/01 65 FR 76151 (Amended)

**R-4501B Fort Leonard Wood East, MO**

**Boundaries.** Beginning at lat. 37°43'00"N., long. 92°06'56"W.; to lat. 37°42'11"N., long. 92°06'15"W.; to lat. 37°39'07"N., long. 92°06'18"W.; to lat. 37°38'15"N., long. 92°09'18"W.; to lat. 37°43'02"N., long. 92°09'18"W.; to the point of beginning.

**Designated altitudes.** The area north of a line between lat. 37°42'51"N., long. 92°06'48"W.; and lat. 37°42'53"N., long. 92°09'18"W., surface to 1,500 feet MSL. The area south of this line, surface to 2,200 feet MSL.

**Time of designation.** 0630-2200 Monday- Saturday; other times by NOTAM issued at least 24 hours in advance.

**Controlling agency.** FAA, Kansas City ARTCC.

**Using agency.** Commanding General, Fort Leonard Wood, MO.

AMENDMENTS 1/25/01 65 FR 76151 (Amended)

**R-4501C Fort Leonard Wood, MO**

**Boundaries.** Beginning at lat. 37°41'00"N., long. 92°16'11"W.; to lat. 37°41'26"N., long. 92°10'16"W.; to lat. 37°40'16"N., long. 92°07'06"W.; to lat. 37°38'20"N., long. 92°06'56"W.; to lat. 37°36'07"N., long. 92°10'28"W.; to lat. 37°35'22"N., long. 92°15'32"W.; to the point of beginning.

**Designated altitudes.** From 2,200 feet MSL to 5,000 feet MSL.

**Time of designation.** 0900-2100 Monday; 0900-1600 Tuesday-Friday; other times by NOTAM issued at least 24 hours in advance.

**Controlling agency.** FAA, Kansas City ARTCC.

**Using agency.** Commanding General, Fort Leonard Wood, MO.

AMENDMENTS 1/25/01 65 FR 76151 (Amended)

**R-4501D Fort Leonard Wood, MO**

**Boundaries.** Beginning at lat. 37°41'00"N., long. 92°16'11"W.; to lat. 37°41'26"N., long. 92°10'16"W.; to lat. 37°40'16"N., long. 92°07'06"W.; to lat. 37°38'20"N., long. 92°06'56"W.; to lat. 37°36'07"N., long. 92°10'28"W.; to lat. 37°35'22"N., long. 92°15'32"W.; to the point of beginning.

**Designated altitudes.** From 5,000 feet MSL to 12,000 feet MSL.

**Time of Designation.** 0900-2100 Monday; 0900- 1600 Tuesday-Friday; other times by NOTAM issued at least 24 hours in advance.

**Controlling agency.** FAA, Kansas City ARTCC.

**Using agency.** Commanding General, Fort Leonard Wood, MO.

AMENDMENTS 1/25/01 65 FR 76151 (Amended)

**R-4501E Fort Leonard Wood, MO**

**Boundaries.** Beginning at lat. 37°41'00"N., long. 92°16'11"W.; to lat. 37°41'26"N., long. 92°10'16"W.; to lat. 37°40'16"N., long. 92°07'06"W.; to lat. 37°38'20"N., long. 92°06'56"W.; to lat. 37°36'07"N., long. 92°10'28"W.; to lat. 37°35'22"N., long. 92°15'32"W.; to the point of beginning.

**Designated altitudes.** From 12,000 feet MSL to FL 180.

**Time of designation.** 0900-2100 Monday; 0900-1600 Tuesday-Friday; other times by NOTAM issued at least 24 hours in advance.

**Controlling agency.** FAA, Kansas City ARTCC.

**Using agency.** U.S. Army, Commanding General, Fort Leonard Wood, MO.

AMENDMENTS 1/25/01 65 FR 76151 (Amended)

**R-4501F Fort Leonard Wood, MO**

**Boundaries.** Beginning at lat. 37°41'00"N., long. 92°09'05"W.; to lat. 37°41'00"N., long. 92°10'53"W.; to lat. 37°43'02"N., long. 92°12'11"W.; to lat. 37°43'10"N., long. 92°08'46"W.; to the point of beginning.

**Designated altitudes.** Surface to 3,200 feet MSL.

**Time of designation.** 0700-1800 daily; other times by NOTAM issued at least 24 hours in advance.

**Controlling agency.** FAA, Kansas City ARTCC.

**Using agency.** U.S. Army, Headquarters U.S. Army Training Center, Fort Leonard Wood, MO.

AMENDMENTS 5/5/88 53 FR 7353 (Added)

### **R-4501H Fort Leonard Wood, MO**

**Boundaries.** Beginning at lat. 37°42'50"N., long. 92°07'21"W.; to lat. 37°44'00"N., long. 92°07'16"W.; to lat. 37°44'45"N., long. 92°05'41"W.; to lat. 37°44'50"N., long. 92°04'49"W.; to lat. 37°46'15"N., long. 92°05'31"W.; to lat. 37°47'45"N., long. 92°06'01"W.; to lat. 37°48'00"N., long. 92°06'01"W.; to lat. 37°48'00"N., long. 92°02'41"W.; thence south and along the Big Piney River and Reservation boundary to lat. 37°46'45"N., long. 92°01'41"W.; to lat. 37°42'30"N., long. 92°04'06"W.; to lat. 37°42'15"N., long. 92°06'06"W.; to the point of beginning.

**Designated altitudes.** Surface to 3,200 feet MSL.

**Time of designation.** 1500-1600 Wednesday; other times by NOTAM.

**Controlling agency.** FAA, Kansas City ARTCC.

**Using agency.** U.S. Army, Headquarters U.S. Army Training Center, Fort Leonard Wood, MO.

AMENDMENTS 5/5/88 53 FR 7353 (Added)

### **§73.46 Montana**

### **§73.47 Nebraska**

### **§73.48 Nevada**

### **R-4803 Fallon, NV**

**Boundaries.** A 3-NM radius circle centered at lat. 39°20'40"N., long. 118°52'19"W.

**Designated Altitudes.** Surface to but not including FL 180.

**Time of designation.** 0715 to 2330 local time daily; other times by NOTAM.

**Controlling agency.** FAA Oakland ARTCC.

**Using agency.** USN, Naval Strike and Air Warfare Center, Fallon, NV.

AMENDMENTS 12/17/09 74 FR 53649 (Amended)



**R-4804A Twin Peaks, NV**

**Boundaries.** A 5-nautical-mile radius circle centered at lat. 39°13'00"N., long. 118°12'45"W.; and a 3-nautical-mile radius centered at lat. 39°14'15"N., long. 118°17'33"W.

**Designated altitudes.** Surface to but not including FL 180 excluding 2,000 feet AGL up to but not including 8,500 feet MSL, north of and within 1 NM of U.S. Highway 50 between the intersection of U.S. Highway 50 with long. 118°26'00"W., and long. 118°08'00"W.

**Time of designation.** 0715 to 2330 local time daily; other times by NOTAM.

**Controlling agency.** FAA, Oakland ARTCC.

**Using agency.** USN, Naval Strike and Air Warfare Center, Fallon, NV.

AMENDMENTS 12/17/09 74 FR 53649 (Amended)

**R-4804B Twin Peaks, NV**

**Boundaries.** A 5-nautical-mile radius circle centered at lat. 39°13'00"N., long. 118°12'45"W.; and a 3-nautical-mile radius centered at lat. 39°14'15"N., long. 118°17'33"W.

**Designated altitudes.** FL 180 to and including FL 350.

**Time of designation.** Intermittent 0715 to 2330 local time daily; other times by NOTAM.

**Controlling agency.** FAA, Oakland ARTCC.

**Using agency.** USN, Naval Strike and Air Warfare Center, Fallon, NV.

AMENDMENTS 12/17/09 74 FR 53649 (Amended)

**R-4806E Las Vegas, NV**

**Boundaries.** Beginning at lat. 37°17'00"N., long. 115°18'03"W.; to lat. 37°17'00"N., long. 115°11'04"W.; to lat. 37°12'00"N., long. 115°07'03"W.; to lat. 36°48'00"N., long. 115°07'04"W.; to lat. 36°38'00"N., long. 115°18'03"W.; to the point of beginning.

**Designated altitudes.** 100 feet AGL to unlimited.

**Time of designation.** 0500-2000 daily Monday-Saturday; other times by NOTAM.

**Controlling agency.** FAA, Los Angeles ARTCC.

**Using agency.** U.S. Air Force, Commander, Tactical Fighter Weapons Center, Nellis AFB, NV.

**R-4806W Las Vegas, NV**

**Boundaries.** Beginning at lat. 37°17'00"N., long. 115°18'03"W.; to lat. 36°26'00"N., long. 115°18'03"W.; to lat. 36°26'00"N., long. 115°23'03"W.; to lat. 36°35'00"N., long. 115°37'03"W.; to lat. 36°35'00"N., long. 115°53'03"W.; to lat. 36°36'00"N., long. 115°56'03"W.; to lat. 37°06'00"N., long. 115°56'03"W.; to lat. 37°06'00"N., long. 115°35'03"W.; to lat. 37°17'00"N., long. 115°35'03"W., to the point of beginning.

**Designated altitudes.** Unlimited.

**Time of designation.** Continuous.

**Controlling agency.** FAA, Los Angeles ARTCC.

**Using agency.** USAF Warfare Center, Nellis AFB, NV.

AMENDMENTS 3/12/09 73 FR 76215 (Amended)

### **R-4807A Tonopah, NV**

**Boundaries.** Beginning to lat. 36°51'00"N., long. 116°33'33"W.; to lat. 37°26'30"N., long. 117°04'33"W.; to lat. 37°33'00"N., long. 117°05'41"W.; to lat. 37°53'00"N., long. 117°05'41"W.; to lat. 37°53'00"N., long. 116°55'03"W.; to lat. 37°47'00"N., long. 116°55'03"W.; to lat. 37°33'00"N., long. 116°43'03"W.; to lat. 37°33'00"N., long. 116°26'03"W.; to lat. 37°53'00"N., long. 116°26'03"W.; to lat. 37°53'00"N., long. 116°11'03"W.; to lat. 37°42'00"N., long. 116°11'03"W.; to lat. 37°42'00"N., long. 115°53'03"W.; to lat. 37°33'00"N., long. 115°53'03"W.; to lat. 37°33'00"N., long. 115°48'03"W.; to lat. 37°28'00"N., long. 115°48'03"W.; to lat. 37°28'00"N., long. 116°00'03"W.; to lat. 37°16'00"N., long. 116°00'03"W.; to lat. 37°16'00"N., long. 116°11'03"W.; to lat. 37°20'00"N., long. 116°11'03"W.; to lat. 37°23'00"N., long. 116°17'03"W.; to lat. 37°23'00"N., long. 116°22'03"W.; to lat. 37°21'00"N., long. 116°27'03"W.; to lat. 37°21'00"N., long. 116°34'03"W.; to lat. 37°16'00"N., long. 116°31'03"W.; to lat. 37°08'00"N., long. 116°27'03"W.; to lat. 36°55'00"N., long. 116°27'03"W.; to lat. 36°55'00"N., long. 116°33'33"W.; to the point of beginning.

**Designated altitudes.** Unlimited.

**Time of designation:** Continuous from 0600 Monday to 1900 Friday; other times by NOTAM.

**Controlling agency.** FAA, Los Angeles ARTCC.

**Using agency:** USAF Warfare Center, Nellis AFB, NV.

AMENDMENTS 3/12/09 73 FR 76215 (Amended)

### **R-4807B Tonopah, NV**

**Boundaries.** Beginning to lat. 37°16'00"N., long. 116°11'03"W.; to lat. 37°20'00"N., long. 116°11'03"W.; to lat. 37°23'00"N., long. 116°17'03"W.; to lat. 37°23'00"N., long. 116°22'03"W.; to lat. 37°21'00"N., long. 116°27'03"W.; to lat. 37°21'00"N., long. 116°34'03"W.; to lat. 37°16'00"N., long. 116°31'03"W.; to the point of beginning.

**Designated altitudes.** Unlimited.

**Time of designation.** Continuous.

**Controlling agency.** FAA, Los Angeles ARTCC.

**Using agency.** USAF Warfare Center, Nellis AFB, NV.

AMENDMENTS 3/12/09 73 FR 76215 (Amended)

### **R-4808N Las Vegas, NV**

**Boundaries.** Beginning at lat. 36°41'00"N., long. 115°56'03"W.; to lat. 36°41'00"N., long. 116°14'48"W.; to lat. 36°46'00"N., long. 116°26'33"W.; to lat. 36°51'00"N., long. 116°26'33"W.; to lat. 36°51'00"N., long. 116°33'33"W.; to lat. 36°55'00"N., long.

116°33'33"W.; to lat. 36°55'00"N., long. 116°27'03"W.; to lat. 37°08'00"N., long. 116°27'03"W.; to lat. 37°16'00"N., long. 116°31'03"W.; to lat. 37°16'00"N., long. 116°00'03"W.; to lat. 37°28'00"N., long. 116°00'03"W.; to lat. 37°28'00"N., long. 115°35'03"W.; to lat. 37°06'00"N., long. 115°35'03"W.; to lat. 37°06'00"N., long. 115°56'03"W.; to the point of beginning.

**Designated altitudes.** Unlimited.

**Time of designation.** Continuous.

**Using agency.** Manager, Nevada Operations Office, United States Department of Energy, Las Vegas, NV.

AMENDMENTS 7/20/95 60 FR 20625 (Amended)

#### **R-4808S Las Vegas, NV**

**Boundaries.** Beginning at lat. 36°46'00"N., long. 116°26'33"W.; to lat. 36°41'00"N., long. 116°14'48"W.; to lat. 36°41'00"N., long. 116°26'33"W.; to the point of beginning.

**Designated altitudes.** Unlimited.

**Time of designation.** Continuous.

**Controlling agency.** FAA, Los Angeles ARTCC.

**Using agency.** Manager, Nevada Operations Office, United States Department of Energy, Las Vegas, NV.

#### **R-4809 Tonopah, NV**

**Boundaries.** Beginning at lat. 37°53'00"N., long. 116°26'03"W.; to lat. 37°33'00"N., long. 116°26'03"W.; to lat. 37°33'00"N., long. 116°43'03"W.; to lat. 37°47'00"N., long. 116°55'03"W.; to lat. 37°53'00"N., long. 116°55'03"W.; to the point of beginning.

**Designated altitudes.** Unlimited.

**Time of designation.** Continuous.

**Controlling agency.** FAA, Los Angeles ARTCC.

**Using agency.** USAF Warfare Center, Nellis AFB, NV.

AMENDMENTS 3/12/09 73 FR 76215 (Amended)

#### **R-4810 Desert Mountains, NV**

**Boundaries.** A 5 NM radius circle centered at lat. 39°10'00"N., long. 118°37'34"W.; and a 3 NM radius circle centered at lat. 39°09'15"N., long. 118°42'24"W.

**Designated altitudes.** Surface to and including 17,000 feet MSL.

**Time of designation.** 0715 to 2330 local time daily; other times by NOTAM.

**Controlling agency.** FAA, Oakland ARTCC.

**Using agency.** USN, Naval Strike and Air Warfare Center, Fallon, NV.

AMENDMENTS 12/17/09 74 FR 53649 (Amended)

**R-4811 Hawthorne, NV**

**Boundaries.** A 1 1/2 NM radius circle centered at lat. 38°14'45"N., long. 118°38'18"W.

**Designated altitudes.** Surface to 15,000 feet MSL.

**Time of designation.** 0800 to 1500 local time, Monday-Friday.

**Controlling agency.** FAA, Oakland ARTCC.

**Using agency.** Commander, Hawthorne Army Ammunition Plant, Hawthorne, NV.

AMENDMENTS 5/22/97 62 FR 14633 (Amended)

**R-4812 Sand Springs, NV**

**Boundaries.** That area within 5 NM either side of a line extending from lat. 39°10'00"N., long. 118°37'34"W.; to lat. 39°13'00"N., long. 118°12'45"W.; and bounded on the east by R-4804 and bounded on the west by R-4810.

**Designated altitudes.** Surface to but not including FL 180 excluding that portion from 2,000 feet AGL up to 8,500 feet MSL which lies north of and 1 NM from U.S. Highway 50, between the intersections of U.S. Highway 50 with long. 118°25'33"W., and long. 118°07'33"W.

**Time of designation.** 0715 to 2330 local time daily; other times by NOTAM

**Controlling agency.** FAA, Oakland ARTCC.

**Using agency.** USN, Naval Strike and Air Warfare Center, Fallon, NV.

AMENDMENTS 12/17/09 74 FR 53649 (Amended)

**R-4813A Carson Sink, NV**

**Boundaries.** Beginning at lat. 39°51'00"N., long. 118°38'04"W.; to lat. 40°01'00"N., long. 118°15'04"W.; to lat. 40°01'00"N., long. 118°01'03"W.; to lat. 39°58'00"N., long. 118°01'03"W.; to lat. 39°38'00"N., long. 118°17'03"W.; thence via the arc of a 15-NM radius circle centered at lat. 39°52'36"N., long. 118°20'31"W.; to lat. 39°45'50"N., long. 118°38'04"W.; thence to the point of beginning.

**Designated altitudes.** Surface to but not including FL 180.

**Time of designation.** 0715 to 2330 local time daily; other times by NOTAM

**Controlling agency.** FAA, Oakland ARTCC.

**Using agency.** USN, Naval Strike and Air Warfare Center, Fallon, NV.

AMENDMENTS 12/17/09 74 FR 53649 (Amended)

**R-4813B Carson Sink, NV**

**Boundaries.** Beginning at lat. 39°51'00"N., long. 118°38'04"W.; to lat. 40°01'00"N., long. 118°15'04"W.; to lat. 40°01'00"N., long. 118°01'03"W.; to lat. 39°58'00"N., long. 118°01'03"W.; to lat. 39°38'00"N., long. 118°17'03"W.; thence via the arc of a 15-NM radius circle centered at lat. 39°52'36"N., long. 118°20'31"W.; to lat. 39°45'50"N., long. 118°38'04"W.; thence to the point of beginning.

**Designated altitudes.** FL 180 to and including FL 350.

**Time of designation.** Intermittent 0715 to 2330 local time daily; other times by NOTAM.

**Controlling agency.** FAA, Oakland, ARTCC.

**Using agency.** USN, Naval Strike and Air Warfare Center, Fallon, NV.

AMENDMENTS 12/17/09 74 FR 53649 (Amended)

#### **R-4816N Dixie Valley, NV**

**Boundaries.** Beginning at lat. 39°51'00"N., long. 118°00'03"W.; to lat. 39°51'00"N., long. 117°31'03"W.; to lat. 39°34'00"N., long. 117°39'33"W.; to lat. 39°34'00"N., long.

118°12'33"W.; to the point of beginning.

**Designated altitudes.** 1,500 feet AGL to but not including FL 180.

**Time of designation.** 0715 to 2330 local time daily; other times by NOTAM.

**Controlling agency.** FAA, Oakland ARTCC.

**Using agency.** USN, Naval Strike and Air Warfare Center, Fallon, NV.

AMENDMENTS 12/17/09 74 FR 53649 (Amended)

#### **R-4816S Dixie Valley, NV**

**Boundaries.** Beginning at lat. 39°17'00"N., long. 118°21'03"W.; to lat. 39°30'00"N., long. 118°15'33"W.; to lat. 39°34'00"N., long. 118°12'33"W.; to lat. 39°34'00"N., long.

117°39'33"W.; thence via a line 1 NM north of U.S. Highway 50; to the point of beginning.

**Designated altitudes.** 500 feet AGL to but not including FL 180.

**Time of designation.** 0715 to 2330 local time daily; other times by NOTAM

**Controlling agency.** FAA, Oakland ARTCC.

**Using agency.** USN, Naval Strike and Air Warfare Center, Fallon, NV.

AMENDMENTS 12/17/09 74 FR 53649 (Amended)

### **§73.49 New Hampshire**

### **§73.50 New Jersey**

#### **R-5001A Fort Dix, NJ**

**Boundaries.** Beginning at lat. 40°02'45"N., long. 74°27'00"W.; to lat. 40°00'00"N., long. 74°26'19"W.; to lat. 39°59'00"N., long. 74°25'07"W.; to lat. 39°58'00"N., long. 74°24'59"W.; to lat. 39°57'30"N., long. 74°25'16"W.; to lat. 39°57'23"N., long. 74°25'49"W.; to lat. 39°58'45"N., long. 74°27'59"W.; to lat. 39°58'45"N., long. 74°31'24"W.; to lat. 39°59'15"N., long.

74°33'29"W.; to lat. 40°01'53"N., long. 74°33'29"W.; to lat. 40°02'45"N., long. 74°32'29"W.; to the point of beginning.

**Designated altitudes.** Surface to and including 4,000 feet MSL.

**Time of designation.** 0600 to 2330 local time, daily; other times by NOTAM issued one hour in advance.

**Controlling agency.** FAA, New York ARTCC.

**Using agency.** Commanding General, Fort Dix, NJ.

#### **R-5001B Fort Dix, NJ**

**Boundaries.** Beginning at lat. 40°02'45"N., long. 74°26'59"W.; to lat. 40°00'00"N., long. 74°26'19"W.; to lat. 39°59'00"N., long. 74°25'07"W.; to lat. 39°58'00"N., long. 74°24'59"W.; to lat. 39°57'30"N., long. 74°25'16"W.; to lat. 39°57'23"N., long. 74°25'49"W.; to lat. 39°58'45"N., long. 74°27'59"W.; to lat. 39°58'45"N., long. 74°31'24"W.; to lat. 40°01'53"N., long. 74°33'29"W.; to lat. 40°02'45"N., long. 74°32'29"W.; to the point of beginning.

**Designated altitudes.** From 4,000 feet MSL to and including 8,000 feet MSL.

**Time of designation.** Continuous, sunrise Friday to sunset Sunday, other times by NOTAM, 48 hours in advance.

**Controlling agency.** FAA, New York ARTCC.

**Using agency.** Commanding General, Fort Dix, NJ.

#### **R-5002A Warren Grove, NJ**

**Boundaries.** Beginning at lat. 39°43'25"N., long. 74°17'36"W.; to lat. 39°38'25"N., long. 74°24'19"W.; to lat. 39°38'30"N., long. 74°29'29"W.; to lat. 39°39'20"N., long. 74°29'59"W.; to lat. 39°44'50"N., long. 74°24'39"W.; to lat. 39°44'50"N., long. 74°19'19"W.; to the point of beginning.

**Designated altitudes.** Surface to 14,000 feet MSL.

**Time of designation.** Sunrise to sunset, other times as activated by NOTAM issued at least 48 hours in advance.

**Controlling agency.** FAA, New York ARTCC.

**Using agency.** Air National Guard, 108th Air Refueling Wing, McGuire AFB, NJ

AMENDMENTS 8/13/98 63 FR 32724 (Amended)

#### **R-5002B Warren Grove, NJ**

**Boundaries.** Beginning at lat. 39°41'00"N., long. 74°20'51"W.; to lat. 39°40'10"N., long. 74°20'14"W.; to lat. 39°38'50"N., long. 74°21'19"W.; to lat. 39°36'00"N., long. 74°26'29"W.; to lat. 39°36'00"N., long. 74°27'29"W.; to lat. 39°37'00"N., long. 74°28'49"W.; to lat. 39°38'30"N., long. 74°29'29"W.; to lat. 39°38'25"N., long. 74°24'19"W.; to the point of beginning.

**Designated altitudes.** 1,000 feet MSL to 14,000 feet MSL.

**Time of designation.** Sunrise to sunset, other times as activated by NOTAM issued at least 48 hours in advance.

**Controlling agency.** FAA, New York ARTCC.

**Using agency.** Air National Guard, 108th Air Refueling Wing, McGuire AFB, NJ.

**R-5002C Warren Grove, NJ**

**Boundaries.** Beginning at lat. 39°39'20"N., long. 74°29'59"W.; to lat. 39°40'30"N., long. 74°30'39"W.; to lat. 39°44'50"N., long. 74°27'29"W.; to lat. 39°44'50"N., long. 74°24'39"W.; to the point of beginning.

**Designated altitudes.** Surface to 3,000 feet MSL.

**Time of designation.** Sunrise to sunset, other times as activated by NOTAM issued at least 48 hours in advance.

**Controlling agency.** FAA, New York ARTCC.

**Using agency.** Air National Guard, 108th Air Refueling Wing, McGuire AFB, NJ.

AMENDMENTS 8/13/98 63 FR 32724 (Amended)

**R-5002D Warren Grove, NJ**

**Boundaries.** Beginning at lat. 39°44'50"N., long. 74°24'39"W.; to lat. 39°45'20"N., long. 74°23'44"W.; to lat. 39°45'50"N., long. 74°19'59"W.; to lat. 39°44'50"N., long. 74°19'19"W.; to the point of beginning.

**Designated altitudes.** Surface to 4,000 feet MSL.

**Time of designation.** Sunrise to sunset, other times as activated by NOTAM issued at least 48 hours in advance.

**Controlling agency.** FAA, New York ARTCC.

**Using agency.** Air National Guard, 108th Air Refueling Wing, McGuire AFB, NJ.

AMENDMENTS 8/13/98 63 FR 32724 (Amended)

**R-5002E Warren Grove, NJ**

**Boundaries.** Beginning at lat. 39°43'25"N., long. 74°17'36"W.; to lat. 39°41'00"N., long. 74°20'51"W.; to lat. 39°40'10"N., long. 74°20'14"W.; to the point of beginning.

**Designated altitudes.** 3,500 feet MSL to 14,000 feet MSL.

**Time of designation.** Sunrise to sunset, other times as activated by NOTAM issued at least 48 hours in advance.

**Controlling agency.** FAA, New York ARTCC.

**Using agency.** Air National Guard, 108th Air Refueling Wing, McGuire AFB, NJ.

AMENDMENTS 8/13/98 63 FR 32724 (Amended)

**§73.51 New Mexico****R-5101 Los Alamos, NM**

**Boundaries.** Beginning at lat. 35°47'00"N., long. 106°14'50"W.; to lat. 35°50'03"N., long. 106°21'38"W.; to lat. 35°52'22"N., long. 106°20'44"W.; to lat. 35°52'52"N., long. 106°16'50"W.; to lat. 35°52'30"N., long. 106°14'50"W.; to the point of beginning.

**Designated altitudes.** Surface to 12,000 feet MSL.

**Time of designation.** Continuous.

**Using agency.** Manager, Energy Research and Development Administration, Los Alamos, NM.

**R-5103A McGregor, NM**

**Boundaries.** Beginning at lat. 32°03'55"N., long. 106°10'00"W.; to lat. 32°03'30"N., long. 105°53'50"W.; to lat. 32°00'15"N., long. 105°56'42"W.; to lat. 32°00'30"N., long. 106°10'27"W.; to the point of beginning.

**Designated altitudes.** Surface to but not including FL 180.

**Time of designation.** 0700-2000 local time Monday-Friday; other times by NOTAM."

**Controlling agency.** FAA, Albuquerque ARTCC.

**Using agency.** Commanding General, Fort Bliss, TX

AMENDMENTS 10/22/2009 74 FR 47719 (Amended)

**R-5103B McGregor, NM**

**Boundaries.** Beginning at (lat. 32°15'00"N., long. 106°10'02"W.; to (lat. 32°15'00"N., long. 105°42'02"W.; to (lat. 32°03'30"N., long. 105°53'50"W.; to (lat. 32°03'55"N., long. 106°10'00"W.; to (lat. 32°05'02"N., long. 106°09'22"W.; to (lat. 32°06'00"N., long. 106°15'32"W.; to the point of beginning.

**Designated altitudes.** Surface to unlimited.

**Time of designation.** 0700-2000 local time Monday-Friday; other times by NOTAM.

**Controlling agency.** FAA, Albuquerque ARTCC.

**Using agency.** Commanding General, Fort Bliss, TX.

AMENDMENTS 10/22/2009 74 FR 47719 (Amended)

**R-5103C McGregor, NM**

**Boundaries.** Beginning at lat. 32°45'00"N., long. 105°53'02"W.; to lat. 32°45'00"N., long. 105°52'22"W.; to lat. 32°33'20"N., long. 105°30'02"W.; to lat. 32°26'20"N., long. 105°30'02"W.; to lat. 32°15'00"N., long. 105°42'02"W.; to lat. 32°15'00"N., long. 106°10'02"W.; then along the Southern Pacific Railroad to lat. 32°28'00"N., long. 106°02'02"W.; to lat. 32°27'40"N., long. 106°00'02"W.; to lat. 32°36'00"N., long. 106°00'00"W.; to lat. 32°45'00"N., long. 105°59'02"W.; to the point of beginning, excluding that airspace within a 2 NM radius of lat. 32°39'02"N., long. 105°40'36"W.; from the surface to 1,500' AGL and also excluding that airspace beginning at lat. 32°42'49"N., long. 105°48'12"W.; to lat. 32°40'47"N., long. 105°49'40"W.; to lat. 32°39'42"N.,



long. 105°47'44"W.; to lat. 32°41'48"N., long. 105°46'14"W.; to the point of beginning from the surface to 1,500' above the surface.

**Designated altitudes.** Surface to unlimited.

**Time of designation.** 0700-2000 local time Monday-Friday; other times by NOTAM.

**Controlling agency.** FAA, Albuquerque ARTCC.

**Using agency.** Commanding General, Fort Bliss, TX.

AMENDMENTS 10/22/2009 74 FR 47719 (Amended)

#### **R-5104A Melrose, NM**

**Boundaries.** Beginning at lat. 34°28'00"N., long. 103°43'17"W.; to lat. 34°25'25"N., long. 103°40'02"W.; to lat. 34°14'30"N., long. 103°40'02"W.; to lat. 34°10'00"N., long. 103°46'02"W.; to lat. 34°10'00"N., long. 103°55'02"W.; to lat. 34°28'00"N., long. 103°55'02"W.; to the point of beginning.

**Designated altitudes.** Surface to but not including 18,000 feet MSL.

**Time of designation:** 0800-2400 local time Monday-Friday; other times by NOTAM.

**Controlling agency.** FAA, Albuquerque ARTCC.

**Using agency.** Commander, Cannon AFB, NM.

AMENDMENTS 1/1/98 62 FR 55503 (Amended)

#### **R-5104B Melrose, NM**

**Boundaries.** Beginning at lat. 34°28'00"N., long. 103°43'17"W.; to lat. 34°25'25"N., long. 103°40'02"W.; to lat. 34°14'30"N., long. 103°40'02"W.; to lat. 34°10'00"N., long. 103°46'02"W.; to lat. 34°10'00"N., long. 103°55'02"W.; to lat. 34°28'00"N., long. 103°55'02"W.; to the point of beginning.

**Designated altitudes.** 18,000 feet MSL to 23,000 feet MSL.

**Time of designation:** 0800-2400 local time Monday-Friday; other times by NOTAM.

**Controlling agency.** FAA, Albuquerque ARTCC.

**Using agency.** Commander, Cannon AFB, NM.

AMENDMENTS 1/1/98 62 FR 55503(Amended)

#### **R-5105 Melrose, NM**

**Boundaries.** Beginning at lat. 34°39'00"N., long. 103°55'02"W.; to lat. 34°39'00"N., long. 103°40'02"W.; to lat. 34°25'25"N., long. 103°40'02"W.; to lat. 34°28'00"N., long. 103°43'17"W.; to lat. 34°28'00"N., long. 103°55'02"W.; to the point of beginning.

**Designated altitudes.** Surface to 10,000 feet MSL.

**Time of designation:** 0800-2400 local time Monday-Friday; other times by NOTAM.

**Controlling agency.** FAA, Albuquerque ARTCC.

**Using agency.** Commander, Cannon AFB, NM.

AMENDMENTS 1/1/98 62 FR 55503 (Amended)

**R-5107A White Sands Missile Range, NM**

**Boundaries.** Beginning at lat. 32°19'30"N., long. 106°34'02"W.; to lat. 32°19'30"N., long. 106°23'49"W.; to lat. 32°14'33"N., long. 106°23'46"W.; to lat. 32°12'17"N., long. 106°24'17"W.; to lat. 32°08'51"N., long. 106°30'01"W.; to lat. 32°08'40"N., long. 106°34'02"W.; to the point of beginning.

**Designated altitudes.** Surface to unlimited.

**Time of designation.** Continuous.

**Controlling agency.** FAA, Albuquerque ARTCC.

**Using agency.** Commanding General, Fort Bliss, TX.

AMENDMENT 11/20/08 73 FR 52916 (Revised)

**R-5107B White Sands Missile Range, NM**

**Boundaries.** Beginning at lat. 33°44'45"N., long. 106°04'02"W.; to lat. 32°50'00"N., long. 106°04'02"W.; to lat. 32°36'00"N., long. 106°06'02"W.; to lat. 32°25'00"N., long. 106°06'02"W.; to lat. 32°23'18"N., long. 106°07'05"W.; to lat. 32°24'48"N., long. 106°09'02"W.; to lat. 32°19'30"N., long. 106°20'38"W.; to lat. 32°19'30"N., long. 106°39'32"W.; to lat. 33°13'00"N., long. 106°52'02"W.; to lat. 33°49'45"N., long. 106°45'22"W.; to lat. 33°49'30"N., long. 106°16'32"W.; thence along the south side of U.S. Highway 380 to the point of beginning; excluding the airspace in R-5107D, R-5107F, and R-5107G; and that airspace from the surface to and including 1,500 feet above the surface within a 2-nautical-mile radius of lat. 32°26'35"N., long. 106°40'47"W., to lat. 32°30'00"N., long. 106°41'12"W.; and lat. 32°23'49"N., long. 106°41'29"W.

**Designated altitudes.** Surface to unlimited.

**Time of designation.** Continuous.

**Using agency.** Commanding General, White Sands Missile Range, NM.

AMENDMENTS 1/1/98 62 FR 60456 (Amended)

**R-5107C White Sands Missile Range, NM**

**Boundaries.** Beginning at lat. 34°17'00"N., long. 106°04'02"W.; to lat. 33°44'45"N., long. 106°04'02"W.; thence along the south side of U.S. Highway 380 to lat. 33°49'30"N., long. 106°16'32"W.; to lat. 33°49'45"N., long. 106°45'22"W.; to lat. 34°15'45"N., long. 106°40'32"W.; to lat. 34°17'00"N., long. 106°12'02"W.; to the point of beginning.

**Designated altitudes.** 9,000 feet MSL to unlimited.

**Time of designation.** Continuous Monday-Friday. Other times as activated by NOTAM issued at least 12 hours in advance.

**Controlling agency.** FAA, Albuquerque ARTCC.

**Using agency.** Commanding General, White Sands Missile Range, NM 88002.

AMENDMENTS 5/25/95 60 FR 15229 (Amended)

**R-5107D White Sands Missile Range, NM**

**Boundaries.** Beginning at lat. 33°34'00"N., long. 106°04'02"W.; to lat. 33°04'00"N., long. 106°21'02"W.; to lat. 32°34'00"N., long. 106°15'02"W.; to lat. 32°34'00"N., long. 106°06'02"W.; to lat. 32°36'00"N., long. 106°06'02"W.; to lat. 32°50'00"N., long. 106°04'02"W.; to the point of beginning.

**Designated altitudes.** Surface to 22,000 feet MSL.

**Time of designation.** Continuous.

**Controlling agency.** FAA, Albuquerque ARTCC.

**Using agency.** Commanding General, White Sands Missile Range, NM 88002.

AMENDMENTS 5/25/95 60 FR 15229 (Amended)

**R-5107E White Sands Missile Range, NM**

**Boundaries.** From the point where an arc of a 19 NM radius centered at lat. 33°45'00"N., long. 106°26'32"W., intersects the western boundary of R-5107C, to lat. 33°54'00"N., long. 106°46'32"W.; to lat. 33°32'45"N., long. 106°58'47"W.; to lat. 33°26'50"N., long. 107°00'02"W.; to lat. 33°35'00"N., long. 106°48'02"W.; to the point of beginning.

**Designated altitudes.** Surface to unlimited.

**Time of designation.** As published by NOTAM at least 12 hours in advance.

**Controlling agency.** FAA, Albuquerque ARTCC.

**Using agency.** Commanding General, White Sands Missile Range, NM 88002.

AMENDMENTS 5/25/95 60 FR 15229 (Amended)

**R-5107F White Sands Missile Range, NM**

**Boundaries.** Beginning at lat. 33°10'10"N., long. 107°10'57"W.; to lat. 33°20'30"N., long. 107°08'22"W.; to lat. 33°16'10"N., long. 106°51'42"W.; to lat. 33°05'30"N., long. 106°04'02"W.; to lat. 33°00'00"N., long. 105°27'02"W.; to lat. 32°45'00"N., long. 105°27'02"W.; to lat. 32°45'00"N., long. 105°49'02"W.; to lat. 32°50'30"N., long. 106°04'02"W.; to lat. 33°05'00"N., long. 106°50'22"W.; to the point of beginning.

**Designated altitudes.** From FL 240 to FL 450.

**Time of designation.** 0001 Monday through 2359 Friday, other times by NOTAM.

**Controlling agency.** FAA, Albuquerque ARTCC.

**Using agency.** Commanding General, White Sands Missile Range, NM 88002.

AMENDMENTS 5/25/95 60 FR 15229 (Amended)

**R-5107G White Sands Missile Range, NM**

**Boundaries.** Beginning at lat. 33°11'40"N., long. 107°10'27"W.; to lat. 33°21'00"N., long. 107°08'02"W.; to lat. 33°22'55"N., long. 107°05'52"W.; to lat. 33°25'20"N., long. 105°27'02"W.; to lat. 33°14'00"N., long. 105°27'02"W.; to the point of beginning.

**Designated altitudes.** From FL 240 to FL 450.

**Time of designation.** 0001 Monday through 2359 Friday, other times by NOTAM.

**Controlling agency.** FAA, Albuquerque ARTCC.

**Using agency.** Commanding General, White Sands Missile Range, NM 88002.

AMENDMENTS 5/25/95 60 FR 15229 (Amended)

#### **R-5107H White Sands Missile Range, NM**

**Boundaries.** Beginning at lat. 34°17'00"N., long. 106°04'02"W.; to lat. 33°52'30"N., long. 106°04'02"W.; to lat. 33°52'30"N., long. 106°25'12"W.; to lat. 33°49'45"N., long. 106°25'12"W.; to lat. 33°49'45"N., long. 106°45'22"W.; to lat. 34°15'45"N., long. 106°40'32"W.; to lat. 34°17'00"N., long. 106°12'02"W.; to the point of beginning.

**Designated altitudes.** Surface to and including 9,000 feet MSL.

**Time of designation.** As published in NOTAM's at least 12 hours in advance.

**Controlling agency.** FAA, Albuquerque ARTCC.

**Using agency.** Commanding General, White Sands Missile Range, NM 88002.

AMENDMENTS 5/25/95 60 FR 15229 (Amended)

#### **R-5107J White Sands Missile Range, NM**

**Boundaries.** Beginning at lat. 33°52'30"N., long. 106°04'02"W.; to lat. 33°44'45"N., long. 106°04'02"W.; thence along the south side of U.S. Highway 380; to lat. 33°49'30"N., long. 106°16'32"W.; to lat. 33°49'45"N., long. 106°25'12"W.; to lat. 33°52'30"N., long. 106°25'12"W.; to the point of beginning.

**Designated altitudes.** Surface to and including 9,000 feet MSL.

**Time of designation.** Continuous, Monday-Friday. Other times as activated by NOTAM.

**Controlling agency.** FAA, Albuquerque ARTCC.

**Using agency.** Commanding General, White Sands Missile Range, NM.

AMENDMENTS 1/1/98 62 FR 60456 (Amended)

#### **R-5107K White Sands Missile Range, NM**

**Boundaries.** Beginning at lat. 32°19'30"N., long. 106°23'49"W.; to lat. 32°19'30"N., long. 106°20'38"W.; to lat. 32°24'48"N., long. 106°09'02"W.; to lat. 32°23'18"N., long. 106°07'05"W.; to lat. 32°05'00"N., long. 106°18'22"W.; to lat. 32°05'00"N., long. 106°29'02"W.; to lat. 32°06'20"N., long. 106°34'02"W.; to lat. 32°08'40"N., long. 106°34'02"W.; to lat. 32°08'51"N., long. 106°30'01"W.; to lat. 32°12'17"N., long. 106°24'17"W.; to lat. 32°14'33"N., long. 106°23'46"W.; to the point of beginning.

**Designated altitudes.** Surface to unlimited.

**Time of designation.** 0700-2000 local time, Monday-Friday, other times by NOTAM.

**Controlling agency.** FAA, Albuquerque, ARTCC.

**Using agency.** Commanding General, U.S. Army Air Defense Artillery Center and Fort Bliss Center, (USAADCENFB) Fort Bliss, TX.

AMENDMENT 11/20/08 73 FR 52916 (Added)

#### **R-5109A White Sands Missile Range, NM**

**Boundaries.** Beginning at lat. 33°31'30"N., long. 105°27'02"W.; to lat. 32°45'00"N., long. 105°27'02"W.; to lat. 32°45'00"N., long. 105°59'02"W.; to lat. 32°36'00"N., long. 106°00'02"W.; to lat. 32°36'00"N., long. 106°06'02"W.; to lat. 32°50'00"N., long. 106°04'02"W.; to lat. 33°44'10"N., long. 106°04'02"W.; to the point of beginning, excluding the airspace in Restricted Areas R-5107F and R-5107G.

**Designated altitudes.** From 24,000 feet MSL to unlimited.

**Time of designation.** Intermittent by NOTAM.

**Controlling agency.** FAA, Albuquerque ARTCC.

**Using agency.** Commanding General, White Sands Missile Range, NM 88002.

AMENDMENTS 5/25/95 60 FR 15229 (Amended)

#### **R-5109B White Sands Missile Range, NM**

**Boundaries.** Beginning at lat. 34°17'00"N., long. 106°04'02"W.; to lat. 34°17'00"N., long. 105°51'02"W.; to lat. 33°57'00"N., long. 105°27'02"W.; to lat. 33°31'30"N., long. 105°27'02"W.; to lat. 33°44'10"N., long. 106°04'02"W.; to the point of beginning.

**Designated altitudes.** From 24,000 feet MSL to unlimited.

**Time of designation.** Intermittent by NOTAM.

**Controlling agency.** FAA, Albuquerque ARTCC.

**Using agency.** Commanding General, White Sands Missile Range, NM 88002.

AMENDMENTS 5/25/95 60 FR 15229 (Amended)

#### **R-5111A Elephant Butte, NM**

**Boundaries.** Beginning at lat. 32°43'00"N., long. 106°45'02"W.; to lat. 32°45'45"N., long. 106°57'02"W.; to lat. 32°52'00"N., long. 107°00'02"W.; to lat. 33°26'50"N., long. 107°00'02"W.; to lat. 33°35'00"N., long. 106°48'02"W.; to lat. 33°13'00"N., long. 106°52'02"W.; to the point of beginning, excluding the airspace in R-5107F and R-5107G.

**Designated altitudes.** 13,000 feet MSL to unlimited.

**Time of designation.** As published by NOTAM at least 12 hours in advance.

**Controlling agency.** FAA, Albuquerque ARTCC.

**Using agency.** Commanding General, White Sands Missile Range, NM 88002.

AMENDMENTS 5/25/95 60 FR 15229 (Amended)

**R-5111B Elephant Butte, NM**

**Boundaries.** Beginning at lat. 32°43'00"N., long. 106°45'02"W.; to lat. 32°45'45"N., long. 106°57'02"W.; to lat. 32°52'00"N., long. 107°00'02"W.; to lat. 33°26'50"N., long. 107°00'02"W.; to lat. 33°35'00"N., long. 106°48'02"W.; to lat. 33°13'00"N., long. 106°52'02"W.; to the point of beginning.

**Designated altitudes.** Surface to 13,000 feet MSL.

**Time of designation.** As published by NOTAM at least 12 hours in advance.

**Controlling agency.** FAA, Albuquerque ARTCC.

**Using agency.** Commanding General, White Sands Missile Range, NM 88002.

AMENDMENTS 5/25/95 60 FR 15229 (Amended)

**R-5111C Elephant Butte, NM**

**Boundaries.** Beginning at lat. 32°45'45"N., long. 106°57'02"W.; to lat. 32°47'00"N., long. 107°06'02"W.; to lat. 33°00'00"N., long. 107°13'02"W.; to lat. 33°21'00"N., long. 107°08'02"W.; to lat. 33°26'50"N., long. 107°00'02"W.; to lat. 32°52'00"N., long. 107°00'02"W.; to the point of beginning, excluding the airspace in R-5107F and R-5107G.

**Designated altitudes.** 13,000 feet MSL to unlimited.

**Times of designation.** As published by NOTAM at least 12 hours in advance.

**Controlling agency.** FAA, Albuquerque ARTCC.

**Using agency.** Commanding General, White Sands Missile Range, NM 88002.

AMENDMENTS 5/25/95 60 FR 15229 (Amended)

**R-5111D Elephant Butte, NM**

**Boundaries.** Beginning at lat. 32°45'45"N., long. 106°57'02"W.; to lat. 32°47'00"N., long. 107°06'02"W.; to lat. 33°00'00"N., long. 107°13'02"W.; to lat. 33°21'00"N., long. 107°08'02"W.; to lat. 33°26'50"N., long. 107°00'02"W.; to lat. 32°52'00"N., long. 107°00'02"W.; to the point of beginning.

**Designated altitudes.** Surface to but not including 13,000 feet MSL.

**Times of designation.** As published by NOTAM at least 12 hours in advance.

**Controlling agency.** FAA, Albuquerque ARTCC.

**Using agency.** Commanding General, White Sands Missile Range, NM

AMENDMENTS 1/1/98 62 FR 60456 (Amended)

**R-5113 Socorro, NM**

**Boundaries.** Beginning at lat. 34°00'00"N., long. 107°07'32"W.; to lat. 33°55'30"N., long. 107°07'32"W.; to lat. 33°55'30"N., long. 107°12'32"W.; to lat. 34°00'00"N., long. 107°12'32"W.; to the point of beginning.

**Designated altitudes.** Surface to 45,000 feet MSL.

**Time of designation.** From 0900 to 1900 local time, daily June 1 through September 30, annually.

**Controlling agency.** FAA, Albuquerque ARTCC.

**Using agency.** U. S. Navy, Office of Naval Research, Atmospheric Sciences.

### **R-5115 Deming, NM**

**Boundaries.** A 2-mile radius centered at lat. 32°01'07"N., long. 107°51'54"W.

**Designated altitudes.** Surface to 15,000 feet MSL.

**Time of designation.** Continuous.

**Controlling agency.** FAA, Albuquerque ARTCC.

**Using Agency.** Western Air Defense Sector.

AMENDMENTS 8/05/04 69 FR 30575 (Amended)

### **R-5117 Fort Wingate, NM**

**Boundaries.** Beginning at lat. 35°25'51"N., long. 108°30'09"W.; to lat. 35°28'46"N., long. 108°37'14"W.; to lat. 35°28'46"N., long. 108°37'39"W.; to lat. 35°21'27"N., long. 108°36'58"W.; to the point of beginning.

**Designated altitudes.** Surface to unlimited.

**Time of designation.** Intermittent by NOTAM 24 hours in advance.

**Controlling agency.** FAA, Albuquerque ARTCC.

**Using agency.** Commanding General, White Sands Missile Range, NM.

AMENDMENTS 6/15/00 65 FR 21306 (Added)

### **R-5119 Socorro, NM**

**Boundaries.** Beginning at lat. 33°59'56"N., long. 106°43'29"W.; to lat. 33°59'51"N., long. 106°56'27"W.; to lat. 34°08'16"N., long. 107°05'17"W.; to lat. 34°00'28"N., long. 107°12'04"W.; to lat. 33°46'04"N., long. 107°02'38"W.; to lat. 33°26'49"N., long. 107°02'25"W.; to lat. 33°26'49"N., long. 107°00'00"W.; to lat. 33°32'44"N., long. 106°58'47"W.; to lat. 33°54'10"N., long. 106°46'24"W.; to lat. 33°57'16"N., long. 106°43'58"W.; to the point of beginning.

**Designated altitudes.** FL 350 to unlimited.

**Time of designation.** Intermittent by NOTAM 24 hours in advance.

**Controlling agency.** FAA, Albuquerque ARTCC.

**Using agency.** Commanding General, White Sands Missile Range, NM.

AMENDMENTS 6/15/00 65 FR 21306 (Added)

**R-5121 Fort Wingate, NM**

**Boundaries.** Beginning at lat. 35°25'51"N., long. 108°30'09"W.; to lat. 35°21'22"N., long. 108°25'59"W.; to lat. 35°19'18"N., long. 108°28'10"W.; to lat. 35°17'48"N., long. 108°31'41"W.; to lat. 35°21'27"N., long. 108°36'58"W.; to the point of beginning.

**Designated altitudes.** FL 200 to unlimited.

**Time of designation.** Intermittent by NOTAM 24 hours in advance.

**Controlling agency.** FAA, Albuquerque ARTCC.

**Using agency.** Commanding General, White Sands Missile Range, NM.

AMENDMENTS 6/15/00 65 FR 21306 (Added)

**R-5123 Magdalena, NM**

**Boundaries.** Beginning at lat. 34°22'30"N., long. 107°57'00"W.; to lat. 34°25'00"N., long. 107°49'00" W.; to lat. 34°24'45"N., long. 107°37'00"W.; to lat. 34°18'00"N., long. 107°30'00"W.; to lat. 34°15'08"N., long. 107°37'00 W.; to lat. 34°19'00"N., long. 107°40'00"W.; to lat. 34°15'08"N., long. 107°45'20"W.; to lat. 34°14'52"N., long. 107°44'40"W.; to lat. 34°13'00"N., long. 107°48'00"W.; to the point of beginning.

**Designated altitudes.** Surface to unlimited.

**Time of designation.** Intermittent by NOTAM 24 hours in advance.

**Using agency.** Commanding General, White Sands Missile Range, NM.

**Controlling agency.** FAA, Albuquerque ARTCC.

AMENDMENTS 6/15/00 65 FR 21306 (Added)

**§73.52 New York****R-5201 Fort Drum, NY**

**Boundaries.** Beginning at lat. 44°01'05"N., long. 75°37'14"W.; to lat. 44°03'20"N., long. 75°40'49"W.; to lat. 44°06'55"N., long. 75°42'09"W.; to lat. 44°10'50"N., long. 75°38'59"W.; to lat. 44°16'07"N., long. 75°32'41"W.; to lat. 44°11'24"N., long. 75°22'59"W.; to lat. 44°07'10"N., long. 75°26'49"W.; thence to the point of beginning.

**Designated altitudes.** Surface to 23,000 feet MSL.

**Time of designation.** Continuous April 1 through September 30 and 0600 through 1800 hours local time, October 1 through March 31; other times by NOTAM 48 hours in advance.

**Controlling agency.** FAA, Boston ARTCC.

**Using agency.** Commanding Officer, Fort Drum, NY.

AMENDMENTS 4/18/02 67 FR 6644 (Amended)



**R-5202A Fort Drum, NY**

**Boundaries.** Beginning at lat. 44°01'05" N., long. 75°37'14" W.; to lat. 44°03'20" N., long. 75°40'49" W.; to lat. 44°06'55" N., long. 75°42'09" W.; to lat. 44°10'50" N., long. 75°38'59" W.; to lat. 44°16'07" N., long. 75°32'41" W.; to lat. 44°11'24" N., long. 75°22'59" W.; to lat. 44°07'10" N., long. 75°26'49" W.; to the point of beginning.

**Designated altitudes.** 23,000 feet MSL to FL 290.

**Time of designation.** May 1-August 31: 0800-1700 local time, Monday-Friday; other times by NOTAM. September 1-April 30: 0800-2200 local time, Monday-Friday; other times by NOTAM.

**Controlling agency.** FAA, Boston ARTCC.

**Using agency.** NY ANG, 174FW/Det 1, Fort Drum, NY.

AMENDMENTS 11/20/08 73 FR 55723 (Added)

**R-5202B Fort Drum, NY**

**Boundaries.** Beginning at lat. 44°10'18" N., long. 75°41'18" W.; to lat. 44°20'32" N., long. 75°32'04" W.; to lat. 44°14'00" N., long. 75°17'00" W.; to lat. 44°06'00" N., long. 75°25'10" W.; to lat. 44°06'00" N., long. 75°28'49" W.; to lat. 44°07'10" N., long. 75°26'49" W.; to lat. 44°11'24" N., long. 75°22'59" W.; to lat. 44°16'07" N., long. 75°32'41" W.; to lat. 44°10'50" N., long. 75°38'59" W.; to lat. 44°09'34" N., long. 75°40'00" W.; to the point of beginning.

**Designated altitudes.** 6,000 feet MSL to FL 290.

**Time of designation.** May 1-August 31: 0800-1700 local time, Monday-Friday; other times by NOTAM. September 1-April 30: 0800-2200 local time, Monday-Friday; other times by NOTAM.

**Controlling agency.** FAA, Boston ARTCC.

**Using agency.** NY ANG, 174FW/Det 1, Fort Drum, NY.

AMENDMENTS 11/20/08 73 FR 55723 (Added)

**R-5203 Oswego, NY**

**Boundaries.** Beginning at lat. 43°37'00"N., long. 76°44'59"W.; to lat. 43°24'00"N., long. 76°44'59"W.; to lat. 43°24'00"N., long. 77°59'59"W.; to lat. 43°37'00"N., long. 77°59'59"W.; to the point of beginning.

**Designated altitudes.** Surface to FL 500.

**Time of designation.** By NOTAM 24 hours in advance.

**Controlling agency.** FAA, Cleveland ARTCC.

**Using agency.** Air National Guard, 174th Fighter Wing, Hancock Field, NY.

AMENDMENTS 12/30/99 64 FR 60339 (Amended)

**R-5206 West Point, NY**

**Boundaries.** Beginning at lat. 41°23'08"N., long. 73°59'59"W.; to lat. 41°23'08"N., long. 73°59'41"W.; thence along south side of U.S. Highway 9W to lat. 41°22'32"N., long. 73°58'57"W.; to lat. 41°22'18"N., long. 73°58'57"W.; to lat. 41°20'04"N., long. 74°00'41"W.;

thence along north side of Mine Torne Road to lat. 41°21'24"N., long. 74°02'37"W.; thence along east side of New York State Highway 293 to the point of beginning.

**Designated altitudes.** Surface to and including 5,000 feet MSL.

**Time of designation.** 0600 to 2400 local, July 1 to August 31, other dates and times by NOTAM 48 hours in advance.

**Controlling agency.** FAA, New York Approach Control.

**Using agency.** Superintendent, U. S. Military Academy, West Point, NY.

AMENDMENTS 2/7/91 55 FR 51408 (Amended)

### §73.53 North Carolina

#### R-5301 Albemarle Sound, NC

**Boundaries.** Beginning at lat. 36°04'56"N., long. 76°16'47"W.; to lat. 36°04'23"N., long. 76°20'59"W.; to lat. 36°06'58"N., long. 76°20'58"W.; thence clockwise via a 3-nautical-mile arc centered at lat. 36°04'01"N., long. 76°20'19"W.; to the point of beginning.

**Designated altitudes.** Surface to 14,000 feet MSL.

**Time of designation.** Continuous.

**Controlling agency.** FAA, Washington ARTCC

**Using agency.** U.S. Navy, Fleet Area Control and Surveillance Facility (FACSFAC VACAPES), NAS Oceana, Virginia Beach, VA

AMENDMENTS 2/26/98 62 FR 65360 (Amended)

#### R-5302A Harvey Point, NC

**Boundaries.** Beginning at lat. 36°01'21"N., long. 76°14'29"W.; to lat. 36°02'19"N., long. 76°07'14"W.; to lat. 36°00'01"N., long. 76°07'14"W.; to lat. 36°00'01"N., long. 76°14'29"W.; to the point of beginning.

**Designated altitudes.** Surface to 14,000 feet MSL.

**Time of designation.** By NOTAM at least 24 hours in advance.

**Using agency.** U.S. Navy, Fleet Area Control and Surveillance Facility (FACSFAC VACAPES), NAS Oceana, Virginia Beach, VA.

**Controlling agency.** FAA, Washington ARTCC

AMENDMENTS 2/26/98 62 FR 65360 (Amended)

#### R-5302B Harvey Point, NC

**Boundaries.** Beginning at lat. 36°04'59"N., long. 76°16'29"W.; to lat. 36°04'01"N., long. 76°05'59"W.; to lat. 36°00'01"N., long. 76°05'59"W.; to lat. 36°00'01"N., long. 76°12'59"W.; to lat. 36°00'04"N., long. 76°24'17"W.; thence clockwise via a 4-nautical-mile arc centered at lat.

36°02'01"N., long. 76°19'59"W.; to lat. 36°03'56"N., long. 76°24'18"W.; to the point of beginning.

**Designated altitudes.** 100 feet AGL to 14,000 feet MSL.

**Time of designation.** By NOTAM at least 24 hours in advance.

**Controlling agency.** FAA, Washington ARTCC

**Using agency.** U.S. Navy, Fleet Area Control and Surveillance Facility (FACSFAC VACAPES), NAS Oceana, Virginia Beach, VA.

AMENDMENTS 2/26/98 62 FR 65360 (Amended)

### **R-5302C Harvey Point, NC**

**Boundaries.** Beginning at lat. 36°00'01"N., long. 76°12'59"W.; to lat. 35°58'50"N., long. 76°16'58"W.; thence clockwise via a 4-nautical-mile arc centered at lat. 36°02'01"N., long. 76°19'59"W.; to lat. 36°00'04"N., long. 76°24'17"W.; to the point of beginning.

**Designated altitudes.** 100 feet AGL to 3,000 feet MSL.

**Time of designation.** By NOTAM at least 24 hours in advance.

**Controlling agency.** FAA, Washington ARTCC.

**Using agency.** U.S. Navy, Fleet Area Control and Surveillance Facility (FACSFAC VACAPES), NAS Oceana, Virginia Beach, VA.

AMENDMENTS 2/26/98 62 FR 65360 (Amended)

### **R-5303A Camp Lejeune, NC**

**Boundaries.** Beginning at lat. 34°41'40"N., long. 77°33'09"W.; to lat. 34°39'16"N., long. 77°28'31"W.; to lat. 34°36'51"N., long. 77°29'01"W.; to lat. 34°36'13"N., long. 77°31'51"W.; to lat. 34°37'03"N., long. 77°35'25"W.; to lat. 34°38'49"N., long. 77°37'31"W.; to the point of beginning.

**Designated altitudes.** Surface to but not including 7,000 feet MSL, excluding the airspace 1,500 feet AGL and below within a 3NM radius of Sky Manor airport.

**Time of designation.** 0600-1800 Monday-Friday; other times by NOTAM at least 24 hours in advance.

**Controlling agency.** USMC, Cherry Point Approach Control.

**Using agency.** USMC, Commanding Officer, U.S. Marine Corps Base Camp Lejeune, NC.

AMENDMENTS 4/10/08 73 FR 8598 (Amended)

### **R-5303B Camp Lejeune, NC**

**Boundaries.** Beginning at lat. 34°41'40"N., long. 77°33'09"W.; to lat. 34°39'16"N., long. 77°28'31"W.; to lat. 34°36'51"N., long. 77°29'01"W.; to lat. 34°36'13"N., long. 77°31'51"W.; to lat. 34°37'03"N., long. 77°35'25"W.; to lat. 34°38'49"N., long. 77°37'31"W.; to the point of beginning.

**Designated altitudes.** 7,000 feet MSL to but not including 10,000 feet MSL.

**Time of designation.** By NOTAM at least 24 hours in advance.

**Controlling agency.** USMC, Cherry Point Approach Control.

**Using agency.** USMC, Commanding Officer, U.S. Marine Corps Base Camp Lejeune, NC.

AMENDMENTS 4/10/08 73 FR 8598 (Amended)

### **R-5303C Camp Lejeune, NC**

**Boundaries.** Beginning at lat. 34°41'40"N., long. 77°33'09"W.; to lat. 34°39'16"N., long. 77°28'31"W.; to lat. 34°36'51"N., long. 77°29'01"W.; to lat. 34°36'13"N., long. 77°31'51"W.; to lat. 34°37'03"N., long. 77°35'25"W.; to lat. 34°38'49"N., long. 77°37'31"W.; to the point of beginning.

**Designated altitudes.** 10,000 feet MSL to but not including FL 180.

**Time of designation.** By NOTAM at least 24 hours in advance.

**Controlling agency.** FAA, Washington ARTCC.

**Using agency.** USMC, Commanding Officer, U.S. Marine Corps Base Camp Lejeune, NC.

AMENDMENTS 4/10/08 73 FR 8598 (Amended)

### **R-5304A Camp Lejeune, NC**

**Boundaries.** Beginning at lat. 34°37'03"N., long. 77°35'25"W.; to lat. 34°36'13"N., long. 77°31'51"W.; to lat. 34°36'51"N., long. 77°29'01"W.; to lat. 34°32'16"N., long. 77°30'13"W.; to lat. 34°29'43"N., long. 77°33'15"W.; to lat. 34°32'42"N., long. 77°34'54"W.; to the point of beginning.

**Designated altitudes.** Surface to but not including 7,000 feet MSL, excluding the airspace 1,500 feet AGL and below within a 3NM radius of Holly Ridge airport.

**Time of designation.** 0600-1800, Monday-Friday; other times by NOTAM at least 24 hours in advance.

**Controlling agency.** USMC, Cherry Point Approach Control.

**Using agency.** USMC, Commanding Officer, U.S. Marine Corps Base Camp Lejeune, NC.

AMENDMENTS 4/10/08 73 FR 8598 (Amended)

### **R-5304B Camp Lejeune, NC**

**Boundaries.** Beginning at lat. 34°37'03"N., long. 77°35'25"W.; to lat. 34°36'13"N., long. 77°31'51"W.; to lat. 34°36'51"N., long. 77°29'01"W.; to lat. 34°32'16"N., long. 77°30'13"W.; to lat. 34°29'43"N., long. 77°35'15"W.; to lat. 34°32'42"N., long. 77°34'54"W.; to the point of beginning.

**Designated altitudes.** 7,000 feet MSL to but not including 10,000 feet MSL.

**Time of designation.** By NOTAM at least 24 hours in advance.

**Controlling agency.** USMC, Cherry Point Approach Control.

**Using agency.** USMC, Commanding Officer, U.S. Marine Corps Base Camp Lejeune, NC.

AMENDMENTS 4/10/08 73 FR 8598 (Amended)

#### **R-5304C Camp Lejeune, NC**

**Boundaries.** Beginning at lat. 34°37'03"N., long. 77°35'25"W.; to lat. 34°36'13"N., long. 77°31'51"W.; to lat. 34°36'51"N., long. 77°29'01"W.; to lat. 34°32'16"N., long. 77°30'13"W.; to lat. 34°29'43"N., long. 77°33'15"W.; to lat. 34°32'42"N., long. 77°34'54"W.; to the point of beginning.

**Designated altitudes.** 10,000 feet MSL to but not including FL180.

**Time of designation.** By NOTAM at least 24 hours in advance.

**Controlling agency.** FAA, Washington ARTCC.

**Using agency.** USMC, Commanding Officer, U.S. Marine Corps Base Camp Lejeune, NC.

AMENDMENTS 4/10/08 73 FR 8598 (Amended)

#### **R-5306A Cherry Point, NC**

**Boundaries.** Beginning at lat. 35°23'16"N., long. 76°34'39"W.; to lat. 35°18'16"N., long. 76°16'39"W.; to lat. 35°04'31"N., long. 76°04'29"W.; to lat. 34°46'46"N., long. 76°24'44"W.; to lat. 34°46'01"N., long. 76°29'59"W.; to lat. 35°08'01"N., long. 76°51'19"W.; thence to the point of beginning.

**Designated altitudes.** Surface to but not including FL 180.

**Time of designation.** Continuous.

**Controlling agency.** Marine Corps Air Station Cherry Point Approach Control.

**Using agency.** USMC, Commanding Officer, U.S. Marine Corps Air Station Cherry Point, NC.

AMENDMENTS 4/10/08 73 FR 8598 (Amended)

#### **R-5306C Cherry Point, NC**

**Boundaries.** Beginning at lat. 34°51'01"N., long. 77°05'29"W.; to lat. 34°42'01"N., long. 76°54'44"W.; to lat. 34°41'51"N., long. 76°56'19"W.; to lat. 34°37'31"N., long. 76°56'19"W.; thence southwest along a line 3 nautical miles from and parallel to the shoreline to lat. 34°34'31"N., long. 77°08'59"W.; to lat. 34°44'51"N., long. 77°14'39"W.; to lat. 34°49'31"N., long. 77°09'59"W.; thence to the point of beginning.

**Designated altitudes.** From 1,200 feet MSL to, but not including FL 180.

**Time of designation.** Continuous.

**Controlling agency.** Marine Corps Air Station Cherry Point Approach Control.

**Using agency.** USMC, Commanding Officer, U.S. Marine Corps Air Station Cherry Point, NC.

AMENDMENTS 4/10/08 73 FR 8598 (Amended)

**R-5306D Cherry Point, NC**

**Boundaries.** Beginning at lat. 34°44'51"N., long. 77°14'39"W.; to lat. 34°34'31"N., long. 77°08'59"W.; thence southwest along a line 3 nautical miles from and parallel to the shoreline to lat. 34°30'21"N.; long. 77°15'49"W.; to lat. 34°33'01"N., long. 77°18'59"W.; to lat. 34°36'06"N., long. 77°26'07"W.; to lat. 34°40'01"N., long. 77°21'59"W.; to lat. 34°39'11"N., long. 77°20'49"W.; thence to the point of beginning.

**Designated altitudes.** Surface to, but not including FL 180.

**Time of designation.** Continuous.

**Controlling agency.** Marine Corps Air Station Cherry Point Approach Control.

**Using agency.** USMC, Commanding Officer, U.S. Marine Corps Base Camp Lejeune, NC.

AMENDMENTS 4/10/08 73 FR 8598 (Amended)

**R-5306E Cherry Point, NC**

**Boundaries.** Beginning at lat. 34°40'21"N., long. 77°22'11"W.; to lat. 34°40'01"N., long. 77°21'59"W.; to lat. 34°36'06"N., long. 77°26'07"W.; to lat. 34°38'13"N., long. 77°25'59"W.; thence to the point of beginning.

**Designated altitudes.** Surface to, but not including FL 180.

**Time of designation.** Continuous.

**Controlling agency.** Marine Corps Air Station Cherry Point Approach Control.

**Using agency.** USMC, Commanding Officer, U.S. Marine Corps Base Camp Lejeune, NC.

AMENDMENTS 4/10/08 73 FR 8598 (Amended)

**R-5311A Fort Bragg, NC**

**Boundaries.** Beginning at lat. 35°10'47"N., long. 79°01'55"W.; to lat. 35°08'48"N., long. 79°01'59"W.; to lat. 35°07'01"N., long. 79°02'29"W.; to lat. 35°05'36"N., long. 79°01'49"W.; to lat. 35°02'56"N., long. 79°05'39"W.; to lat. 35°02'46"N., long. 79°20'09"W.; to lat. 35°07'06"N., long. 79°22'49"W.; to lat. 35°09'41"N., long. 79°20'09"W.; thence along Little River to the point of beginning.

**Designated altitudes.** Surface to but not including 7,000 feet MSL.

**Time of designation.** Continuous.

**Controlling agency.** FAA, Washington ARTCC.

**Using agency.** Commanding General, Fort Bragg, NC.

**R-5311B Fort Bragg, NC**

**Boundaries.** Beginning at lat. 35°10'47"N., long. 79°01'55"W.; to lat. 35°08'48"N., long. 79°01'59"W.; to lat. 35°07'01"N., long. 79°02'29"W.; to lat. 35°05'36"N., long. 79°01'49"W.; to lat. 35°02'56"N., long. 79°05'39"W.; to lat. 35°02'46"N., long. 79°20'09"W.; to lat. 35°07'06"N.,

long. 79°22'49"W.; to lat. 35°09'41"N., long. 79°20'09"W.; thence along Little River to the point of beginning.

**Designated altitudes.** From 7,000 feet MSL to but not including 12,000 feet MSL.

**Time of designation.** Continuous.

**Controlling agency.** FAA, Washington ARTCC.

**Using agency.** Commanding General, Fort Bragg, NC.

### **R-5311C Fort Bragg, NC**

**Boundaries.** Beginning at lat. 35°10'47"N., long. 79°01'55"W.; to lat. 35°08'48"N., long. 79°01'59"W.; to lat. 35°07'01"N., long. 79°02'29"W.; to lat. 35°05'36"N., long. 79°01'49"W.; to lat. 35°02'56"N., long. 79°05'39"W.; to lat. 35°02'46"N., long. 79°20'09"W.; to lat. 35°07'06"N., long. 79°22'49"W.; to lat. 35°09'41"N., long. 79°20'09"W.; thence along Little River to the point of beginning.

**Designated altitudes.** From 12,000 feet MSL but not including FL 290.

**Time of designation.** Continuous.

**Controlling agency.** FAA, Washington ARTCC.

**Using agency.** Commanding General, Fort Bragg, NC.

### **R-5313A Long Shoal Point, NC**

**Boundaries.** A circular area with a 3-mile radius centered at lat. 35°32'49"N., long. 75°41'25"W.

**Designated altitudes.** Surface to 18,000 feet MSL.

**Time of designation.** 0800-2300 local time Monday-Friday; other times by NOTAM at least 24 hours in advance.

**Controlling agency.** FAA, Washington ARTCC.

**Using agency.** U.S. Navy, Fleet Area Control and Surveillance Facility (FACSFAC VACAPES), NAS Oceana, Virginia Beach, VA.

AMENDMENTS 5/3/90 55 FR 11897 (Added)

### **R-5313B Long Shoal Point, NC**

**Boundaries.** Beginning at lat. 35°36'47"N., long. 75°41'21"W.; to lat. 35°30'45"N., long. 75°35'13"W.; to lat. 35°24'15"N., long. 75°40'22"W.; to lat. 35°30'55"N., long. 75°50'29"W.; to the point of beginning.

**Designated altitudes.** 100 feet AGL to 13,000 feet MSL.

**Time of designation.** By NOTAM at least 24 hours in advance, not to exceed 20 hours per month.

**Controlling agency.** FAA, Washington ARTCC.

**Using agency.** U.S. Navy, Fleet Area Control and Surveillance Facility (FACSFAC VACAPES), NAS Oceana, Virginia Beach, VA.

AMENDMENTS 5/3/90 55 FR 11897 (Added)

**R-5313C Long Shoal Point, NC**

**Boundaries.** Beginning at lat. 35°32'09"N., long. 75°34'06"W.; to lat. 35°30'45"N., long. 75°35'13"W.; to lat. 35°36'47"N., long. 75°41'21"W.; to lat. 35°38'25"N., long. 75°38'47"W.; thence clockwise along a 6-nautical-mile arc centered at lat. 35°32'49"N., long. 75°41'25"W.; to the point of beginning.

**Designated altitudes.** 100 feet AGL to 13,000 feet MSL.

**Time of designation.** By NOTAM at least 24 hours in advance, not to exceed 20 hours per month.

**Controlling agency.** FAA, Washington ARTCC.

**Using agency.** U.S. Navy, Fleet Area Control and Surveillance Facility (FACSFAC VACAPES), NAS Oceana, Virginia Beach, VA.

AMENDMENTS 12/3/98 63 FR 53804 (Amended)

**R-5313D Long Shoal Point, NC**

**Boundaries.** Beginning at lat. 35°20'52"N., long. 75°43'07"W.; to lat. 35°24'15"N., long. 75°40'22"W.; to lat. 35°30'55"N., long. 75°50'29"W.; to lat. 35°28'02"N., long. 75°54'54"W.; thence counterclockwise along a 12-nautical-mile arc centered at lat. 35°32'49"N., long. 75°41'25"W.; to the point of beginning.

**Designated altitudes.** 500 feet AGL to 13,000 feet MSL.

**Time of designation.** By NOTAM at least 24 hours in advance, not to exceed 20 hours per month.

**Controlling agency.** FAA, Washington ARTCC.

**Using agency.** U.S. Navy, Fleet Area Control and Surveillance Facility (FACSFAC VACAPES), NAS Oceana, Virginia Beach, VA.

AMENDMENTS 5/3/90 55 FR 11897 (Added)

Corr: 55 FR 17931

**R-5314A Dare County, NC**

**Boundaries.** Beginning at lat. 35°42'36"N., long. 75°49'49"W.; to lat. 35°40'08"N., long. 75°50'14"W.; to lat. 35°40'25"N., long. 75°52'15"W.; to lat. 35°38'41"N., long. 75°52'34"W.; to lat. 35°39'01"N., long. 75°54'34"W.; to lat. 35°40'41"N., long. 75°54'09"W.; to lat. 35°41'31"N., long. 76°00'19"W.; to lat. 35°44'10"N., long. 75°59'41"W.; to the point of beginning.

**Designated altitudes.** Surface to FL 205.

**Time of designation.** 0600-2400 local time, Monday-Friday; 0700-1800 local time Saturday-Sunday; other times by NOTAM 6 hours in advance.

**Controlling agency.** FAA, Washington ARTCC.

**Using agency.** U.S. Air Force, Commander, 4<sup>th</sup> Fighter Wing, Seymour Johnson AFB, NC.

AMENDMENTS 07/31/08 73 FR 30726 (Amended)



**R-5314B Dare County, NC**

**Boundaries.** Beginning at lat. 35°41'52"N., long. 75°45'11"W.; to lat. 35°34'41"N., long. 75°46'49"W.; to lat. 35°36'46"N., long. 76°01'19"W.; to lat. 35°41'31"N., long. 76°00'19"W.; to lat. 35°40'41"N., long. 75°54'09"W.; to lat. 35°39'01"N., long. 75°54'34"W.; to lat. 35°38'41"N., long. 75°52'34"W.; to lat. 35°40'25"N., long. 75°52'15"W.; to lat. 35°40'08"N., long. 75°50'14"W.; to lat. 35°42'36" N., long. 75°49'49" W.; to the point of beginning.

**Designated altitudes.** 500 feet above the surface to FL 205.

**Time of designation.** 0600-2400 local time, Monday-Friday; 0700-1800 local time Saturday-Sunday; other times by NOTAM 6 hours in advance.

**Controlling agency.** FAA, Washington ARTCC.

**Using agency.** U.S. Air Force, Commander, 4th Fighter Wing, Seymour Johnson AFB, NC.

AMENDMENTS 07/31/08 73 FR 30767 (Amended)

**R-5314C Dare County, NC**

**Boundaries.** Beginning at lat. 35°44'10"N., long. 75°59'41"W.; to lat. 35°38'55"N., long. 76°00'52"W.; to lat. 35°39'21"N., long. 76°04'59"W.; to lat. 35°44'48"N., long. 76°03'44"W.; to the point of beginning.

**Designated altitudes.** 200 feet above the surface to 15,000 feet MSL.

**Time of designation.** 0600-2400 local time, Monday-Friday; 0700-1800 local time Saturday-Sunday; other times by NOTAM 6 hours in advance.

**Controlling agency.** FAA, Washington ARTCC.

**Using agency.** U.S. Air Force, Commander, 4th Fighter Wing, Seymour Johnson AFB, NC.

AMENDMENTS 07/31/08 73 FR 30767 (Amended)

**R-5314D Dare County, NC**

**Boundaries.** Beginning at lat. 35°47'51"N., long. 75°48'49"W.; to lat. 35°42'36"N., long. 75°49'49"W.; to lat. 35°44'10"N., long. 75°59'41"W.; to lat. 35°47'01"N., long. 75°58'59"W.; to lat. 35°46'08" N., long. 75°52'35"W.; to lat. 35°48'01"N., long. 75°51'59"W.; to the point of beginning.

**Designated altitudes.** Surface to FL 205.

**Time of designation.** 0600-2400 local time, Monday-Friday; 0700-1800 local time Saturday-Sunday; other times by NOTAM 6 hours in advance.

**Controlling agency.** FAA, Washington ARTCC.

**Using agency.** U.S. Air Force, Commander, 4th Fighter Wing, Seymour Johnson AFB, NC.

AMENDMENTS 07/31/08 73 FR 30767 (Amended)

**R-5314E Dare County, NC**

**Boundaries.** Beginning at lat. 35°48'31"N., long. 75°43'39"W.; to lat. 35°41'52"N., long. 75°45'11" W.; to lat. 35°42'36"N., long. 75°49'49"W.; to lat. 35°47'51"N., long. 75°48'49"W.; to lat. 35°48'01" N., long. 75°51'59"W.; to lat. 35°46'08"N., long. 75°52'35"W.; to lat. 35°47'01"N.,

long. 75°58'59" W.; to lat. 35°51'36"N., long. 75°57'54"W.; to lat. 35°49'31"N., long. 75°44'59"W.; to the point of beginning.

**Designated altitudes.** 500 feet above the surface to FL 205.

**Time of designation.** 0600-2400 local time, Monday-Friday; 0700-1800 local time Saturday-Sunday; other times by NOTAM 6 hours in advance.

**Controlling agency.** FAA, Washington ARTCC.

**Using agency.** U.S. Air Force, Commander, 4th Fighter Wing, Seymour Johnson AFB, NC.

AMENDMENTS 07/31/08 73 FR 30767 (Amended)

#### **R-5314F Dare County, NC**

**Boundaries.** Beginning at lat. 35°51'36"N., long. 75°57'54"W.; to lat. 35°44'10"N., long. 75°59'41"W.; to lat. 35°44'48"N., long. 76°03'44"W.; to lat. 35°51'53"N., long. 76°02'08"W.; to the point of beginning.

**Designated altitudes.** 200 feet above the surface to 15,000 feet MSL.

**Time of designation.** 0600-2400 local time, Monday-Friday; 0700-1800 local time Saturday-Sunday; other times by NOTAM 6 hours in advance.

**Controlling agency.** FAA, Washington ARTCC.

**Using agency.** U.S. Air Force, Commander, 4th Fighter Wing, Seymour Johnson AFB, NC.

AMENDMENTS 07/31/08 73 FR 30767 (Amended)

#### **R-5314H Dare County, NC**

**Boundaries.** Beginning at lat. 35°51'53"N., long. 76°02'08"W.; to lat. 35°39'21"N., long. 76°04'59"W.; to lat. 35°40'26"N., long. 76°12'24"W.; to lat. 35°52'23"N., long. 76°09'52"W.; to the point of beginning.

**Designated altitudes.** 500 feet above the surface to 10,000 feet MSL.

**Time of designation.** 0600-2400 local time, Monday-Friday; 0700-1800 local time Saturday-Sunday; other times by NOTAM 6 hours in advance.

**Controlling agency.** FAA, Washington ARTCC.

**Using agency.** U.S. Air Force, Commander, 4th Fighter Wing, Seymour Johnson AFB, NC.

AMENDMENTS 07/31/08 73 FR 30767 (Amended)

#### **R-5314J Dare County, NC**

**Boundaries.** Beginning at lat. 35°52'23"N., long. 76°09'52"W.; to lat. 35°40'26"N., long. 76°12'24"W.; to lat. 35°43'51"N., long. 76°35'29"W.; to lat. 35°53'51"N., long. 76°33'09"W.; to the point of beginning.

**Designated altitudes.** 1,000 feet above the surface to 6,000 feet MSL.

**Time of designation.** 0600-2400 local time, Monday-Friday; 0700-1800 local time Saturday-Sunday; other times by NOTAM 6 hours in advance.

**Controlling agency.** FAA, Washington ARTCC.

**Using agency.** U.S. Air Force, Commander, 4th Fighter Wing, Seymour Johnson AFB, NC.

AMENDMENTS 07/31/08 73 FR 30767 (Amended)

### §73.54 North Dakota

#### R-5401 Devils Lake, ND

**Boundaries.** Beginning at lat. 47°41'01"N., long. 98°41'15"W.; to lat. 47°39'23"N., long. 98°40'17"W.; to lat. 47°39'23"N., long. 98°39'57"W.; to lat. 47°39'35"N., long. 98°39'39"W.; to lat. 47°40'20"N., long. 98°38'01"W.; to lat. 47°40'20"N., long. 98°37'18"W.; to lat. 47°41'15"N., long. 98°37'18"W.; to lat. 47°41'08"N., long. 98°39'14"W.; to lat. 47°41'10"N., long. 98°39'57"W.; to lat. 47°41'01"N., long. 98°40'17"W.; thence to the point of beginning.

**Designated Altitudes.** Surface to 5,000 feet MSL.

**Time of designation.** As scheduled 30 days in advance and activated by NOTAM 24 hours in advance. Area may be scheduled continuously during peak training periods June and July.

**Controlling agency.** FAA, Minneapolis ARTCC.

**Using agency.** U.S. Army, Commander Camp Grafton, North Dakota Army National Guard, Devils Lake, ND.

AMENDMENTS 5/27/93 58 FR 18345 (Added)

### §73.55 Ohio

#### R-5502A Lacarne, OH

**Boundaries.** Beginning at lat. 41°35'19"N., long. 82°55'30"W.; to lat. 41°32'30"N., long. 83°01'00"W.; to lat. 41°36'35"N., long. 83°04'52"W.; thence via a 5 NM arc centered at lat. 41°32'30"N., long. 83°01'00"W.; to the point of beginning.

**Designated altitudes.** Surface to 5,000 feet MSL.

**Time of designation.** 0800 to 1700 local time, April 1 to November 30; 0800 to 1700 local time Tuesday, Wednesday and Thursday, December 1 to March 31; other times by NOTAM 48 hours in advance.

**Controlling agency.** FAA, Cleveland ARTCC.

**Using agency.** The Adjutant General, state of Ohio.

**R-5502B Lacarne, OH**

**Boundaries.** Beginning at lat. 41°41'30"N., long. 83°00'00"W.; to lat. 41°35'40"N., long. 82°54'50"W.; to lat. 41°32'30"N., long. 83°01'00"W.; to lat. 41°36'35"N., long. 83°04'52"W.; to lat. 41°41'30"N., long. 83°07'30"W.; to the point of beginning.

**Designated altitudes.** Surface to 23,000 feet MSL.

**Time of designation.** Tuesday, Wednesday and Thursday, 0800 to 1700 local time; other times by NOTAM 48 hours in advance.

**Controlling agency.** FAA, Cleveland ARTCC.

**Using agency.** The Adjutant General, state of Ohio.

**§73.56 Oklahoma****R-5601A Fort Sill, OK**

**Boundaries.** Beginning at lat. 34°38'15"N., long. 98°17'01"W.; to lat. 34°38'15"N., long. 98°20'56"W.; to lat. 34°38'30"N., long. 98°21'41"W.; to lat. 34°38'50"N., long. 98°22'06"W.; to lat. 34°39'53"N., long. 98°22'16"W.; to lat. 34°40'47"N., long. 98°23'09"W.; thence north along the western edge of Interstate Highway 44 to lat. 34°43'30"N., long. 98°24'01"W.; to lat. 34°43'30"N., long. 98°21'21"W.; to lat. 34°43'45"N., long. 98°21'01"W.; to lat. 34°46'06"N., long. 98°21'01"W.; to lat. 34°46'06"N., long. 98°17'01"W.; to the point of beginning.

**Designated altitudes.** Surface to 40,000 feet MSL.

**Time of designation.** Continuous.

**Controlling agency.** FAA, Fort Worth ARTCC.

**Using agency.** U.S. Army, Commanding General, Fort Sill, OK.

AMENDMENTS 11/16/89 54 FR 38511 (Amended)

Corr: 54 FR 42495

**R-5601B Fort Sill, OK**

**Boundaries.** Beginning at lat. 34°40'47"N., long. 98°23'09"W.; thence counterclockwise along an arc, 3-mile radius centered at lat. 34°38'18"N., long. 98°24'07"W.; to lat. 34°40'12"N., long. 98°26'18"W.; to lat. 34°38'15"N., long. 98°26'19"W.; to lat. 34°38'15"N., long. 98°37'57"W.; thence north along Oklahoma State Highway No. 115 to lat. 34°40'54"N., long. 98°37'54"W.; to lat. 34°42'07"N., long. 98°37'20"W.; to lat. 34°43'21"N., long. 98°36'02"W.; to lat. 34°43'30"N., long. 98°35'40"W.; to lat. 34°43'30"N., long. 98°24'01"W.; thence south along the western edge of Interstate Highway 44 to the point of beginning.

**Designated altitudes.** Surface to 40,000 feet MSL.

**Time of designation.** Continuous.

**Controlling agency.** FAA, Fort Worth ARTCC.

**Using agency.** U.S. Army, Commanding General, Fort Sill, OK.

AMENDMENTS 11/16/89 54 FR 38511 (Amended)

Corr: 54 FR 42495

### **R-5601C Fort Sill, OK**

**Boundaries.** Beginning at lat. 34°38'15"N., long. 98°37'57"W.; to lat. 34°38'15"N., long. 98°45'21"W.; to lat. 34°41'47"N., long. 98°45'21"W.; to lat. 34°41'47"N., long. 98°44'17"W.; to lat. 34°41'21"N., long. 98°44'17"W.; to lat. 34°41'21"N., long. 98°40'36"W.; to lat. 34°40'54"N., long. 98°40'36"W.; to lat. 34°40'54"N., long. 98°37'54"W.; thence south along Oklahoma State Highway No. 115 to the point of beginning.

**Designated altitudes.** Surface to 40,000 feet MSL.

**Time of designation.** Continuous.

**Controlling agency.** FAA, Fort Worth ARTCC.

**Using agency.** U.S. Army, Commanding General, Fort Sill, OK.

AMENDMENTS 11/16/89 54 FR 38511 (Amended)

### **R-5601D Fort Sill, OK**

**Boundaries.** Beginning at lat. 34°38'15"N., long. 98°45'21"W.; to lat. 34°38'15"N., long. 98°48'01"W.; to lat. 34°42'15"N., long. 98°50'01"W.; to lat. 34°45'00"N., long. 98°40'31"W.; to lat. 34°43'30"N., long. 98°35'40"W.; to lat. 34°43'21"N., long. 98°36'02"W.; to lat. 34°42'07"N., long. 98°37'20"W.; to lat. 34°40'54"N., long. 98°37'54"W.; to lat. 34°40'54"N., long. 98°40'36"W.; to lat. 34°41'21"N., long. 98°40'36"W.; to lat. 34°41'21"N., long. 98°44'17"W.; to lat. 34°41'47"N., long. 98°44'17"W.; to lat. 34°41'47"N., long. 98°45'21"W.; to the point of beginning.

**Designated altitudes.** 500 feet AGL to FL 400.

**Time of designation.** Sunrise to 2200, Monday through Friday; other times by NOTAM.

**Controlling agency.** FAA, Fort Worth ARTCC.

**Using agency.** U.S. Army, Commanding General, Fort Sill, OK.

AMENDMENTS 3/25/99 64 FR 4534 (Amended)

### **R-5601E Fort Sill, OK**

**Boundaries.** Beginning at lat. 34°38'15"N., long. 98°37'58"W.; to lat. 34°36'00"N., long. 98°46'46"W.; to lat. 34°38'15"N., long. 98°48'01"W.; to lat. 34°38'15"N., long. 98°45'21"W.; to the point of beginning.

**Designated altitudes.** 500 feet AGL to 6,000 feet MSL.

**Time of designation.** Sunrise to 2200, Monday through Friday; other times by NOTAM.

**Controlling agency.** FAA, Fort Worth ARTCC.

**Using agency.** U.S. Army, Commanding General, Fort Sill, OK.

### **R-5601F Fort Sill, OK**

**Boundaries.** Beginning at lat. 34°46'24"N., long. 98°52'00"W.; thence clockwise via the 49 NM arc of SPS VORTAC to lat. 34°47'00"N., long. 98°51'00"W.; to lat. 34°43'46"N., long. 98°49'55"W.; thence clockwise via the 46 NM arc of SPS VORTAC to lat. 34°45'03" N., long. 98°29'46"W.; to lat. 34°46'15" N., long. 98°25'01"W.; to lat. 34°47'00"N., long. 98°17'46" W.; to lat. 34°46'45"N., long. 98°17'01"W.; to lat. 34°46'06"N., long. 98°17'01"W.; to lat. 34°46'06"N., long. 98°21'01"W.; to lat. 34°43'45"N., long. 98°21'01"W.; to lat. 34°43'30"N., long. 98°21'21"W.; to lat. 34°43'30"N., long. 98°35'40"W.; to lat. 34°45'00"N., long. 98°40'31"W.; to lat. 34°42'15"N., long. 98°50'01"W.; to the point of beginning. Excluding that airspace: (1) below 5500 feet MSL beginning at lat. 34°44'28" N., long. 98°46'16" W.; thence clockwise via the 46 NM arc of SPS VORTAC to lat. 34°45'09"N., long. 98°30'57"W.; to lat. 34°43'30"N., long. 98°30'00"W.; to lat. 34°43'30"N., long. 98°35'40"W.; to lat. 34°45'00"N., long. 98°40'31"W.; to lat. 34°43'09"N., long. 98°46'56"W.; to the point of beginning; and, (2) below 3500 feet MSL within a 1 NM radius of lat. 34°46'46"N., long. 98°17'46"W.

**Designated altitudes.** 500 feet AGL to FL 400.

**Times of Designation.** Sunrise to 2200 local time, Monday-Friday; other times by NOTAM.

**Controlling Agency.** FAA, Fort Worth ARTCC.

**Using Agency.** Commanding General, United States Army Field Artillery Center (USAFACFS), Fort Sill, OK.

AMENDMENTS 3/15/07 71 FR 76125 (Added)

## **§73.57 Oregon**

### **R-5701 Boardman, OR**

**Boundaries and designated altitudes.** A 5 NM radius circle centered at lat. 45°43'35"N., long. 119°41'07"W., surface to FL 200; within 2 NM N and 3 NM S of the 082° bearing from the center of the circle extending to a line 1 NM W of and parallel to Butter Creek, surface to 10,000 feet MSL to a distance of 7 NM from the center of the circle, thence surface to 6,000 feet MSL to the E extremity; within 3 NM either side of the 234° bearing from the center of the circle extending to 10 NM from the center, excluding the airspace within V-112, surface to

10,000 feet MSL to a distance of 7 NM from the center of the circle, thence surface to 6,000 feet MSL to the SW extremity; within 3 NM either side of the 270° bearing from the center of the circle extending to 15 NM from the center, surface to 10,000 feet MSL to a distance of 7 NM from the center of the circle, thence surface to 6,000 feet MSL to the W extremity.

**Time of designation.** 0730-2359 Monday-Friday; other times by NOTAM 6 hours in advance.

**Controlling agency.** FAA, Seattle ARTCC.

**Using agency.** U.S. Navy, Commanding Officer, NAS Whidbey Island, Oak Harbor, WA.

AMENDMENTS 1/6/94 58 FR 59945 (Amended)

### **R-5706 Boardman, OR**

**Boundaries.** Beginning at lat. 45°40'33"N., long. 120°02'32"W.; to lat. 45°40'39"N., long. 120°09'04"W.; to lat. 45°45'29"N., long. 120°09'04"W.; thence east along the south shore of the Columbia River to lat. 45°51'09"N., long. 119°40'04"W.; to lat. 45°52'59"N., long. 119°31'04"W.; to lat. 45°46'34"N., long. 119°31'04"W.; to lat. 45°46'12"N., long. 119°35'02"W.; thence counterclockwise along the arc of a 5-nautical-mile radius circle centered at lat. 45°43'35"N., long. 119°41'07"W.; to lat. 45°46'35"N., long. 119°46'50"W.; to lat. 45°46'33"N., long. 120°02'32"W.; to the point of beginning.

**Designated altitudes.** 3,500 feet MSL to 10,000 feet MSL.

**Time of designation.** 0730-2359 Monday-Friday; other times by NOTAM 6 hours in advance.

**Controlling agency.** FAA, Seattle ARTCC.

**Using agency.** U.S. Navy, Commanding Officer, NAS Whidbey Island, Oak Harbor, WA.

AMENDMENTS 1/6/94 58 FR 59945 (Amended)

## **§73.58 Pennsylvania**

### **R-5801 Chambersburg, PA**

**Boundaries.** The arc of a circle, having a 5,000-foot radius, centered at lat. 39°59'44"N., long. 77°43'54"W.

**Designated altitudes.** Surface to 4,000 feet MSL.

**Time of designation.** 0800 to 1600 EST, Monday-Friday.

**Using agency.** Commanding Officer, Letterkenny Ordnance Depot, Chambersburg, PA.

### **R-5802A Fort Indiantown Gap, PA**

**Boundaries.** Beginning at lat. 40°27'30"N., long. 76°44'34"W.; to lat. 40°29'31"N., long. 76°39'07"W.; to lat. 40°28'31"N., long. 76°36'21"W.; to lat. 40°25'06"N., long. 76°44'47"W.; to the point of beginning.

**Designated altitudes.** 200 feet AGL to 5,000 feet MSL.

**Time of designation.** February 15 through May 10 and September 1 through December 15, 0800-2300 local time on Saturdays and 0800-1200 local time on Sundays; May 11 through August 31, 0800-2400 local time on Saturdays and 0800-

2000 local time on all other days; other times by NOTAM issued at least 48 hours in advance.

**Controlling agency.** FAA, New York ARTCC.

**Using agency.** Commander, Fort Indiantown Gap, Annville, PA.

### **R-5802B Fort Indiantown Gap, PA**

**Boundaries.** Beginning at lat. 40°25'06"N., long. 76°44'47"W.; to lat. 40°28'31"N., long. 76°36'21"W.; to lat. 40°27'13"N., long. 76°35'13"W.; to lat. 40°26'18"N., long. 76°36'40"W.; to lat. 40°23'24"N., long. 76°43'34"W.; to the point of beginning.

**Designated altitudes.** Surface to 13,000 feet MSL.

**Time of designation.** February 15 through May 10 and September 1 through December 15, 0800-2300 local time on Saturdays and 0800-1200 local time on Sundays; May 11 through August 31, 0800-2400 local time on Saturdays and 0800-2000 local time on all other days; other times by NOTAM issued at least 48 hours in advance.

**Controlling agency.** FAA, New York ARTCC.

**Using agency.** Commander, Fort Indiantown Gap, Annville, PA.

### **R-5802C Fort Indiantown Gap, PA**

**Boundaries.** Beginning at lat. 40°23'24" N., long. 76°43'34" W.; to lat. 40°25'06" N., long. 76°44'47" W.; to lat. 40°28'00" N., long. 76°46'59" W.; to lat. 40°29'42" N., long. 76°42'59" W.; to lat. 40°29'31" N., long. 76°39'07" W.; to lat. 40°28'31" N., long. 76°36'21" W.; to lat. 40°27'13" N., long. 76°35'13" W.; to lat. 40°26'18" N., long. 76°36'40" W.; thence to point of beginning.

**Designated altitudes.** 500 feet AGL to but not including 17,000 feet MSL.

**Time of designation.** February 15 through May 10 and September 1 through December 15, 0800-2300 local time on Saturdays and 0800-1200 local time on Sundays; May 11 through August 31, 0800-2400 local time on Saturdays and 0800-2000 local time on all other days; other times by NOTAM issued at least 48 hours in advance.

**Controlling agency.** FAA, New York ARTCC.

**Using agency.** Commander, Fort Indiantown Gap, Annville, PA.

AMENDMENTS 9/30/04 69 FR 47358 (Added)

Corr: 69 57841

### **R-5802D Fort Indiantown Gap, PA**

**Boundaries.** Beginning at lat. 40°23'24"N., long. 76°43'34"W.; to lat. 40°25'06"N., long. 76°44'47"W.; to lat. 40°28'00"N., long. 76°46'59"W.; to lat. 40°29'42"N., long. 76°42'59"W.; to lat. 40°29'31"N., long. 76°39'07"W.; to lat. 40°28'31"N., long. 76°36'21"W.; to lat. 40°27'13"N., long. 76°35'13"W.; to lat. 40°26'18"N., long. 76°36'40"W.; thence to point of beginning.

**Designated altitudes.** 17,000 feet MSL to but not including FL 220.



**Time of designation.** February 15 through May 10 and September 1 through December 15, 0800-2300 local time on Saturdays and 0800-1200 local time on Sundays; May 11 through August 31, 0800-2400 local time on Saturdays and 0800-2000 local time on all other days; other times by NOTAM issued at least 48 hours in advance.

**Controlling agency.** FAA, New York ARTCC.

**Using agency.** Commander, Fort Indiantown Gap, Annville, PA.

AMENDMENTS 9/30/04 69 FR 47358 (Added)  
Corr: 69 57841

### **R-5802E Fort Indiantown Gap, PA**

**Boundaries.** Beginning at lat. 40°29'42"N., long. 76°42'59"W.; to lat. 40°29'31"N., long. 76°39'07"W.; to lat. 40°28'31"N., long. 76°36'21"W.; to lat. 40°27'13"N., long. 76°35'13"W.; to lat. 40°23'45"N., long. 76°32'36"W.; to lat. 40°22'50"N., long. 76°34'03"W.; to lat. 40°19'55"N., long. 76°40'59"W.; thence clockwise along the arc of a 4-nautical-mile radius circle centered at lat. 40°23'24" N., long. 76°43'34"W.; to lat. 40°21'48"N., long. 76°48'18"W.; to lat. 40°26'04"N., long. 76°51'34"W.; to lat. 40°28'00"N., long. 76°46'59"W.; thence to point of beginning.

**Designated altitudes.** FL 220 to FL 250.

**Time of designation.** February 15 through May 10 and September 1 through December 15, 0800-2300 local time on Saturdays and 0800-1200 local time on Sundays; May 11 through August 31, 0800-2400 local time on Saturdays and 0800-2000 local time on all other days; other times by NOTAM issued at least 48 hours in advance.

**Controlling agency.** FAA, New York ARTCC.

**Using agency.** Commander, Fort Indiantown Gap, Annville, PA.

AMENDMENTS 9/30/04 69 FR 47358 (Added)  
Corr: 69 57841

### **R-5803 Chambersburg, PA**

**Boundaries.** A circular area with a 5,500-foot radius centered at lat. 40°02'29"N., long. 77°44'19"W.

**Designated altitudes.** Surface to 4,000 feet MSL.

**Time of designation.** 0800 to 1600 EST, Monday-Friday.

**Using agency.** Commanding Officer, Letterkenny Ordnance Depot, Chambersburg, PA.

## **§73.59 Rhode Island**

## **§73.60 South Carolina**

**R-6001A Fort Jackson, SC**

**Boundaries.** Beginning at lat. 33°59'31"N., long. 80°52'03"W.; to lat. 34°05'04"N., long. 80°52'11"W.; to northeast along Percival Road to lat. 34°06'16"N., long. 80°49'03"W.; to east along North Boundary Road to lat. 34°03'42"N., long. 80°42'12"W.; to lat. 34°01'41"N., long. 80°42'14"W.; to lat. 34°00'34"N., long. 80°44'23"W.; to lat. 34°01'01"N., long. 80°45'54"W.; to lat. 34°01'06"N., long. 80°46'59"W.; to lat. 34°00'55"N., long. 80°47'59"W.; to lat. 34°00'31"N., long. 80°48'56"W.; to lat. 34°00'13"N., long. 80°49'25"W.; to lat. 33°59'46"N., long. 80°49'59"W.; thence to point of beginning.

**Designated altitudes.** Surface to 3,200 feet MSL.

**Time of designation.** Intermittent, 0630 to 2400.

**Controlling agency.** FAA, Jacksonville ARTCC.

**Using agency.** Commanding General, Fort Jackson, SC.

**REMARKS:**

Aircraft activity is limited to the following terms and conditions:

1. Aircraft activities may not be conducted on weekends.
2. Weather conditions required for aircraft activities are 5 miles visibility and with prevailing clouds or obscuring phenomena no greater than five-tenths coverage of the sky and bases no lower than 3,000 feet above the surface.
3. Air to surface ordnance limited to the MK-106 (spotting) practice bomb delivery.
4. Aircraft activities are limited to two hours daily.

**R-6001B Fort Jackson, SC**

**Boundaries.** Beginning at lat. 33°59'31"N., long 80°52'03"W.; to lat. 34°05'04"N., long 80°52'11"W.; to northeast along Percival Road to lat. 34°06'16"N., long 80°49'03"W.; to east along North Boundary Road to lat. 34°03'42"N., long 80°42'12"W.; to lat. 34°01'41"N., long 80°42'14"W.; to lat. 34°00'34"N., long 80°44'23"W.; to lat. 34°01'01"N., long 80°45'54"W.; to lat. 34°01'06"N., long 80°46'59"W.; to lat. 34°00'55"N., long 80°47'59"W.; to lat. 34°00'31"N., long 80°48'56"W.; to lat. 34°00'13"N., long 80°49'25"W.; to lat. 33°59'46"N., long 80°49'59"W.; thence to point of beginning.

**Designated altitudes.** 3,200 feet MSL to FL 230.

**Time of designation.** Intermittent, 0630 to 2400.

**Controlling agency.** FAA, Jacksonville ARTCC.

**Using agency.** Commanding General, Fort Jackson, SC.

**REMARKS:**

Aircraft activity is limited to the following terms and conditions:

1. Aircraft activities may not be conducted on weekends.
2. Aircraft activities may only be conducted from 3,200 feet MSL to 13,000 feet AGL.
3. Weather conditions required for aircraft activities are 5 miles visibility and with prevailing clouds or obscuring phenomena no greater than five-tenths coverage of the sky and bases no lower than 3,000 feet above the surface.
4. Air to surface ordnance limited to the MK-106 (spotting) practice bomb delivery.
5. Aircraft activities are limited to two hours daily.

**R-6002A Poinsett-Sumter, SC**

**Boundaries.** Beginning at lat. 33°54'25"N., long. 80°24'11"W.; to lat. 33°46'26"N., long. 80°23'11"W.; to lat. 33°44'28"N., long. 80°31'41"W.; to lat. 33°50'14"N., long. 80°31'02"W.; to lat. 33°53'38"N., long. 80°31'02"W.; to the point of beginning.

**Designated altitudes.** Surface to but not including 13,000 feet MSL.

**Time of designation.** 0600-2400 local time Monday-Friday; 0800-1600 local time Saturday; other times by NOTAM at least 8 hours in advance.

**Controlling agency.** FAA, Jacksonville ARTCC.

**Using agency.** U.S. Air Force, 20 FW, Shaw AFB, SC.

AMENDMENTS 10/8/98 63 FR 46648 (Added)

**R-6002B Poinsett-Sumter, SC**

**Boundaries.** Beginning at lat. 33°54'25"N., long. 80°24'11"W.; to lat. 33°46'26"N., long. 80°23'11"W.; to lat. 33°44'28"N., long. 80°31'41"W.; to lat. 33°50'14"N., long. 80°31'02"W.; to lat. 33°53'38"N., long. 80°31'02"W.; to the point of beginning.

**Designated altitudes.** 13,000 feet MSL to but not including FL 180.

**Time of designation.** 0600-2400 local time Monday-Friday; 0800-1600 local time Saturday; other times by NOTAM at least 8 hours in advance.

**Controlling agency.** FAA, Jacksonville ARTCC.

**Using agency.** U.S. Air Force, 20 FW, Shaw AFB, SC.

AMENDMENTS 10/8/98 63 FR 46648 (Added)

**R-6002C Poinsett-Sumter, SC**

**Boundaries.** Beginning at lat. 33°54'25"N., long. 80°24'11"W.; to lat. 33°46'26"N., long. 80°23'11"W.; to lat. 33°44'28"N., long. 80°31'41"W.; to lat. 33°50'14"N., long. 80°31'02"W.; to lat. 33°53'38"N., long. 80°31'02"W.; to the point of beginning.

**Designated altitudes.** FL 180 to FL 230.

**Time of designation.** 0600-2400 local time Monday-Friday; 0800-1600 local time Saturday; other times by NOTAM at least 8 hours in advance.

**Controlling agency.** FAA, Jacksonville ARTCC.

**Using agency.** U.S. Air Force, 20 FW, Shaw AFB, SC.

AMENDMENTS 10/8/98 63 FR 46648 (Added)

**§73.61 South Dakota****§73.62 Tennessee**

**§73.63 Texas****R-6302A Fort Hood, TX**

**Boundaries.** Beginning at lat. 31°09'01"N., long. 97°45'01"W.; to lat. 31°10'01"N., long. 97°48'01"W.; to lat. 31°14'15"N., long. 97°50'33"W.; to lat. 31°18'25"N., long. 97°48'48"W.; to lat. 31°18'23"N., long. 97°45'43"W.; to lat. 31°20'00"N., long. 97°45'23"W.; to lat. 31°22'09"N., long. 97°43'27"W.; to lat. 31°22'08"N., long. 97°41'56"W.; to lat. 31°21'01"N., long. 97°41'01"W.; to lat. 31°20'01"N., long. 97°41'01"W.; to lat. 31°14'01"N., long. 97°33'01"W.; to lat. 31°08'01"N., long. 97°37'01"W.; to lat. 31°08'01"N., long. 97°39'01"W.; to lat. 31°10'01"N., long. 97°41'01"W.; to lat. 31°09'01"N., long. 97°43'31"W.; to the point of beginning.

**Designated altitudes.** Surface to 30,000 feet MSL.

**Time of designation.** Continuous.

**Controlling agency.** FAA, Houston ARTCC.

**Using agency.** U.S. Army, Commander, III Corps, Fort Hood, TX.

AMENDMENTS 10/10/96 61 FR 42550 (Amended)

**R-6302B Fort Hood, TX**

**Boundaries.** Beginning at lat. 31°14'01"N., long. 97°33'01"W.; to lat. 31°06'01"N., long. 97°33'01"W.; to lat. 31°08'01"N., long. 97°39'01"W.; to lat. 31°08'01"N., long. 97°37'01"W.; to the point of beginning.

**Designated altitudes.** Surface to 11,000 feet MSL.

**Time of designation.** 1800-0600 local time, Monday-Saturday; other times by NOTAM.

**Controlling agency.** FAA, Houston ARTCC.

**Using agency.** U.S. Army, Commander, III Corps, Fort Hood, TX.

AMENDMENTS 10/10/96 61 FR 42550 (Amended)

**R-6302C Fort Hood, TX**

**Boundaries.** Beginning at lat. 31°09'01"N., long. 97°45'01"W.; to lat. 31°09'01"N., long. 97°55'01"W.; to lat. 31°16'01"N., long. 97°54'01"W.; to lat. 31°19'01"N., long. 97°51'01"W.; to lat. 31°18'25"N., long. 97°48'48"W.; to lat. 31°14'15"N., long. 97°50'33"W.; to lat. 31°10'01"N., long. 97°48'01"W.; to the point of the beginning.

**Designated altitudes.** Surface to 30,000 feet MSL.

**Time of designation.** 0700-1900 local time, Monday-Friday; other times by NOTAM.

**Controlling agency.** FAA, Houston ARTCC.

**Using agency.** U.S. Army, Commander, III Corps, Fort Hood, TX.

AMENDMENTS 3/25/99 64 FR 3623 (Amended)

**R-6302D Fort Hood, TX**

**Boundaries.** Beginning at lat. 31°18'25"N., long. 97°48'48"W.; to lat. 31°19'01"N., long. 97°51'01"W.; to lat. 31°24'01"N., long. 97°48'01"W.; to lat. 31°23'01"N., long. 97°43'01"W.; to lat. 31°22'08"N., long. 97°41'56"W.; to lat. 31°22'09"N., long. 97°43'27"W.; to lat. 31°20'00"N., long. 97°45'23"W.; to lat. 31°18'23"N., long. 97°45'43"W.; to the point of the beginning.

**Designated altitudes.** Surface to 30,000 feet MSL.

**Time of designation.** 0700-1900 local time, Monday-Friday; other times by NOTAM.

**Controlling agency.** FAA, Houston ARTCC.

**Using agency.** U.S. Army, Commander, III Corps, Fort Hood, TX.

AMENDMENTS 3/25/99 64 FR 3623 (Amended)

**R-6302E Fort Hood, TX**

**Boundaries.** Beginning at lat. 31°22'08"N., long. 97°41'56"W.; to lat. 31°21'01"N., long. 97°41'01"W.; to lat. 31°20'01"N., long. 97°41'01"W.; to lat. 31°14'01"N., long. 97°33'01"W.; to lat. 31°08'01"N., long. 97°39'01"W.; to lat. 31°10'01"N., long. 97°41'01"W.; to lat. 31°09'01"N., long. 97°43'01"W.; to lat. 31°09'01"N., long. 97°45'01"W.; to lat. 31°10'01"N., long. 97°48'01"W.; to lat. 31°14'15"N., long. 97°50'33"W.; to lat. 31°18'25"N., long. 97°48'48"W.; to lat. 31°18'23"N., long. 97°45'43"W.; to lat. 31°20'00"N., long. 97°45'23"W.; to lat. 31°22'09"N., long. 97°43'27"W.; to the point of beginning.

**Designated altitudes.** 30,000 feet MSL to 45,000 feet MSL.

**Times of designation.** By NOTAM 48 hours in advance.

**Controlling agency.** FAA, Houston ARTCC.

**Using agency.** U.S. Army, Commander, III Corps, Fort Hood, TX.

AMENDMENTS 3/25/99 64 FR 3623 (Amended)

**R-6312 Cotulla, TX**

**Boundaries.** The area within 5 NM of geographical points located at lat. 28°14'51"N., long. 98°43'31"W.; and lat. 28°05'54"N., long. 98°42'52"W.

**Designated altitudes.** Surface to FL 230, excluding the area west of a line between lat. 28°17'41"N., long. 98°47'56"W.; and lat. 28°11'56"N., long. 98°48'01"W.; and the area along Highway 624 extending ¼ mile each side where the floor is 1,000 feet AGL.

**Time of designation.** Sunrise to sunset; other times by NOTAM.

**Controlling agency.** FAA, Houston ARTCC.

**Using agency.** Chief of Naval Air Advance Training Command, NAS Corpus Christi, TX.

AMENDMENTS 12/27/01 66 FR 54435 (Amended)

Corr: 66 FR 63433

**R-6316 Eagle Pass, TX**

**Boundaries.** A 3-mile radius centered at lat. 28°23'09"N., long. 100°17'11"W.

**Designated altitudes.** Surface to 15,000 feet MSL.

**Time of designation.** Continuous.

**Controlling agency.** FAA, Houston ARTCC.

**Using Agency.** Western Air Defense Sector.

AMENDMENTS 8/05/04 69 FR 30575 (Amended)

**R-6317 El Sauz, TX**

**Boundaries.** A 3-mile radius centered at lat. 26°34'20"N., long. 98°49'00"W.

**Designated altitudes.** Surface to 15,000 feet MSL.

**Time of designation.** Continuous.

**Controlling agency.** FAA, Houston ARTCC.

**Using Agency.** Western Air Defense Sector.

AMENDMENTS 8/05/04 69 FR 30575 (Amended)

**R-6318 Marfa, TX**

**Boundaries.** A 2-mile radius centered at lat. 30°26'01"N., long. 104°20'02"W.

**Designated altitudes.** Surface to 14,000 feet MSL.

**Time of designation.** Continuous.

**Controlling agency.** FAA, Albuquerque ARTCC.

**Using Agency.** Western Air Defense Sector.

AMENDMENTS 8/05/04 69 FR 30575 (Amended)

**R-6320 Matagorda, TX**

**Boundaries.** That airspace within a 3-mile circle centered at lat. 28°42'37"N., long. 95°57'26"W.

**Designated altitudes.** Surface up to and including 15,000 feet MSL.

**Time of designation.** Intermittent by NOTAM.

**Controlling agency.** Houston ARTCC.

**Using agency.** Continental North American Aerospace Defense Command Region (CONR).'

AMENDMENTS 5/7/09 74 FR 10171 (Amended)

**§73.64 Utah**

**R-6402A Dugway Proving Ground, Dugway, UT**

**Boundaries.** Beginning at lat. 40°25'00"N., long. 112°56'03"W.; to lat. 40°25'00"N., long. 113°07'03"W.; to lat. 40°20'20"N., long. 113°07'03"W.; to lat. 40°20'20"N., long. 113°20'05"W.; to lat. 39°55'00"N., long. 113°26'43"W.; to lat. 39°52'00"N., long. 113°27'03"W.; to lat. 39°49'00"N., long. 113°08'03"W.; to lat. 39°44'00"N., long. 113°08'03"W.; to lat. 39°46'00"N., long. 112°56'03"W.; to lat. 40°00'00"N., long. 112°43'03"W.; to lat. 40°13'00"N., long. 112°43'03"W.; to the point of beginning.

**Designated altitudes.** Surface to FL 580.

**Time of designation.** Continuous.

**Controlling agency.** FAA, Salt Lake City ARTCC.

**Using agency.** U.S. Air Force, 388th Fighter Wing, Air Combat Command, Hill AFB UT .

AMENDMENTS 7/2/09 74 FR 20201 (Amended)

**R-6402B Dugway Proving Ground, Dugway, UT**

**Boundaries.** Beginning at lat. 40°13'00"N., long. 112°43'03"W.; to lat. 40°16'00"N., long. 112°43'03"W.; to lat. 40°25'00"N., long. 112°50'03"W.; to lat. 40°25'00"N., long. 112°56'03"W.; to the point of beginning.

**Designated altitudes.** 100 feet AGL to FL 580.

**Time of designation.** Continuous.

**Controlling agency.** FAA, Salt Lake City ARTCC.

**Using agency.** U.S. Air Force, 388th Fighter Wing, Air Combat Command, Hill AFB UT.

AMENDMENTS 7/2/09 74 FR 20201 (Amended)

**R-6403 Tooele, UT**

**Boundaries.** Beginning at lat. 40°30'44"N., long. 112°27'33"W.; to lat. 40°29'32"N., long. 112°27'33"W.; to lat. 40°29'32"N., long. 112°29'18"W.; to lat. 40°30'44"N., long. 112°29'18"W.; to the point of beginning.

**Designated altitudes.** Surface to 9,000 feet MSL.

**Time of designation.** 0800-2000 local time, Monday-Thursday.

**Using agency.** Commanding Officer, Tooele Army Depot, Tooele, UT.

AMENDMENTS 7/25/91 56 FR 22111 (Amended)

**R-6404A Hill AFB, UT**

**Boundaries.** Beginning at lat. 41°11'30"N., long. 112°45'33"W.; to lat. 41°16'00"N., long. 113°50'03"W.; to lat. 41°08'30"N., long. 114°02'33"W.; to lat. 40°55'30"N., long. 114°02'33"W.; to lat. 40°55'00"N., long. 114°00'03"W.; to lat. 40°55'00"N., long. 112°50'33"W.; to lat. 41°01'00"N., long. 112°39'03"W.; to lat. 41°07'00"N., long. 112°39'03"W.; to the point of beginning.

**Designated altitudes.** Surface to FL 580.

**Time of designation.** Continuous.

**Controlling agency.** FAA, Salt Lake City ARTCC.

**Using agency.** Commander, 388th Fighter Wing, Air Combat Command, Hill AFB UT.

AMENDMENTS 7/2/09 74 FR 20201 (Amended)

**R-6404B Hill AFB, UT**

**Boundaries.** Beginning at lat. 40°55'00"N., long. 112°50'33"W.; to lat. 40°55'00"N., long. 114°00'03"W.; to lat. 40°49'00"N., long. 113°40'03"W.; to lat. 40°52'00"N., long.

112°57'03"W.; to the point of beginning.

**Designated altitudes.** Surface to 13,000 feet MSL.

**Time of designation.** Continuous.

**Controlling agency.** FAA, Salt Lake City ARTCC.

**Using agency.** 388th Fighter Wing, Air Combat Command, Hill AFB UT.

AMENDMENTS 7/2/09 74 FR 20201 (Amended)

**R-6404C Hill AFB, UT**

**Boundaries.** Beginning at lat. 41°16'00"N., long. 113°50'03"W.; to lat. 41°11'30"N., long.

114°15'03"W.; to lat. 40°59'30"N., long. 114°15'03"W.; to lat. 40°55'30"N., long.

114°02'33"W.; to lat. 41°08'30"N., long. 114°02'33"W.; to the point of beginning.

**Designated altitudes.** 100 feet AGL to FL 280.

**Time of designation.** Continuous.

**Controlling agency.** FAA, Salt Lake City ARTCC.

**Using agency.** 388th Fighter Wing, Air Combat Command, Hill AFB UT.

AMENDMENTS 7/2/09 74 FR 20201 (Amended)

**R-6404D Hill AFB, UT**

**Boundaries.** Beginning at lat. 40°55'00"N., long. 112°50'33"W.; to lat. 40°55'00"N., long.

114°00'03"W.; to lat. 40°49'00"N., long. 113°40'03"W.; to lat. 40°52'00"N., long.

112°57'03"W.; to the point of beginning.

**Designated altitudes.** 13,000 feet MSL to FL 250.

**Time of designation.** By NOTAM.

**Controlling agency.** FAA, Salt Lake City ARTCC.

**Using agency.** USAF, 388th Fighter Wing, Air Combat Command, Hill AFB UT.

AMENDMENTS 7/2/09 74 FR 20201 (Amended)



**R-6405 Wendover, UT**

**Boundaries.** Beginning at lat. 40°39'00"N., long. 114°00'03"W.; to lat. 40°23'00"N., long. 114°15'03"W.; to lat. 39°40'00"N., long. 114°15'03"W.; to lat. 39°23'00"N., long. 114°00'03"W.; to lat. 39°23'00"N., long. 113°19'03"W.; to lat. 39°46'00"N., long. 112°56'33"W.; to lat. 39°44'00"N., long. 113°08'03"W.; to lat. 39°49'00"N., long. 113°08'03"W.; to lat. 39°52'00"N., long. 113°27'03"W.; to lat. 39°55'00"N., long. 113°26'43"W.; to lat. 39°55'00"N., long. 113°48'03"W.; to lat. 40°00'00"N., long. 113°48'03"W.; to lat. 40°00'00"N., long. 114°00'03"W.; to the point of beginning.

**Designated altitudes.** 100 feet AGL to FL 580.

**Time of designation.** Continuous.

**Controlling agency.** FAA, Salt Lake City ARTCC.

**Using agency.** 388th Fighter Wing, Air Combat Command, Hill AFB UT.

AMENDMENTS 7/2/09 74 FR 20201 (Amended)

**R-6406A Wendover, UT**

**Boundaries.** Beginning at lat. 40°39'00"N., long. 113°00'03"W.; to lat. 40°39'00"N., long. 114°00'03"W.; to lat. 40°17'00"N., long. 114°00'03"W.; to lat. 40°20'20"N., long. 113°49'03"W.; to lat. 40°20'20"N., long. 113°07'03"W.; to lat. 40°25'00"N., long. 113°07'03"W.; to lat. 40°25'00"N., long. 112°56'03"W.; to lat. 40°29'00"N., long. 113°00'03"W.; to the point of beginning.

**Designated altitudes.** Surface to FL 580.

**Time of designation.** Continuous.

**Controlling agency.** FAA, Salt Lake City ARTCC.

**Using agency.** 388th Fighter Wing, Air Combat Command, Hill AFB UT.

AMENDMENTS 7/2/09 74 FR 20201 (Amended)

**R-6406B Wendover, UT**

**Boundaries.** Beginning at lat. 40°39'00"N., long. 113°00'03"W.; to lat. 40°29'00"N., long. 113°00'03"W.; to lat. 40°25'00"N., long. 112°56'03"W.; to lat. 40°25'00"N., long. 112°50'03"W.; to the point of beginning.

**Designated altitudes.** 100 feet AGL to FL 580.

**Time of designation.** Continuous.

**Controlling agency.** FAA, Salt Lake City ARTCC.

**Using agency.** 388th Fighter Wing, Air Combat Command, Hill AFB UT.

AMENDMENTS 7/2/09 74 FR 20201 (Amended)

**R-6407 Hill AFB, UT**

**Boundaries.** Beginning at lat. 40°20'20"N., long. 113°20'05"W.; to lat. 39°55'00"N., long. 113°26'43"W.; to lat. 39°55'00"N., long. 113°48'03"W.; to lat. 40°00'00"N., long. 113°48'03"W.; to lat. 40°00'00"N., long. 114°00'03"W.; to lat. 40°17'00"N., long. 114°00'03"W.; to lat. 40°20'20"N., long. 113°49'03"W.; to the point of beginning.

**Designated altitudes.** Surface to FL 580.

**Time of designation.** Continuous.

**Controlling agency.** FAA, Salt Lake City ARTCC.

**Using agency.** 388th Fighter Wing, Air Combat Command, Hill AFB UT.

AMENDMENTS 7/2/09 74 FR 20201 (Amended)

**R-6412A Camp Williams, UT**

**Boundaries.** Beginning at lat. 40°27'30"N., long. 112°00'00"W.; thence to lat. 40°23'30"N., long. 112°00'00"W.; to lat. 40°23'30"N., long. 112°06'03"W.; to lat. 40°27'30"N., long. 112°06'03"W.; to the point of beginning.

**Designated altitudes.** Surface to 9,000 feet MSL.

**Time of designation.** By Notice to Airmen (NOTAM).

**Controlling agency.** FAA, Salt Lake City TRACON.

**Using agency.** The Adjutant General, UT.

AMENDMENTS 1/25/01 65 FR 59341 (Amended)

**R-6412B Camp Williams, UT**

**Boundaries.** Beginning at lat. 40°27'30"N., long. 112°00'00"W.; thence to lat. 40°23'30"N., long. 112°00'00"W.; to lat. 40°23'30"N., long. 112°06'03"W.; to lat. 40°27'30"N., long. 112°06'03"W.; to the point of beginning.

**Designated altitudes.** 9,000 feet to 10,000 feet MSL.

**Time of designation.** By Notice to Airmen (NOTAM).

**Controlling agency.** FAA, Salt Lake City TRACON.

**Using agency.** The Adjutant General, UT.

AMENDMENTS 1/25/01 65 FR 59341 (Amended)

**R-6412C Camp Williams, UT**

**Boundaries.** Beginning at lat. 40°27'30"N., long. 111°56'27"W.; thence southerly along Redwood Road (Utah Highway 68) to lat. 40°23'30"N., long. 111°55'01"W.; to lat. 40°23'30"N., long. 112°00'00"W.; to lat. 40°27'30"N., long. 112°00'00"W.; to the point of beginning.

**Designated altitudes.** Surface to 9,000 feet MSL.

**Time of designation.** By Notice to Airmen (NOTAM).

**Controlling agency.** FAA, Salt Lake City TRACON.

**Using agency.** The Adjutant General, UT.

AMENDMENTS 1/25/01 65 FR 59341 (Added)

### **R-6412D Camp Williams, UT**

**Boundaries.** Beginning at lat. 40°27'30"N., long. 111°56'27"W.; thence southerly along Redwood Road (Utah Highway 68) to lat. 40°23'30"N., long. 111°55'01"W.; to lat. 40°23'30"N., long. 112°00'00"W.; to lat. 40°27'30"N., long. 112°00'00"W.; to the point of beginning.

**Designated altitudes.** 9,000 feet to 10,000 feet MSL.

**Time of designation.** By Notice to Airmen (NOTAM).

**Controlling agency.** FAA, Salt Lake City TRACON.

**Using agency.** The Adjutant General, UT.

AMENDMENTS 1/25/01 65 FR 59341 (Added)

### **R-6413 Green River, UT**

**Boundaries.** Beginning at lat. 38°57'00"N., long. 110°09'42"W.; thence to lat. 38°46'03"N., long. 110°06'02"W.; to lat. 38°31'30"N., long. 109°57'02"W.; to lat. 38°31'30"N., long. 109°51'02"W.; to lat. 38°33'27"N., long. 109°46'02"W.; to lat. 38°49'15"N., long. 109°57'04"W.; to lat. 38°58'02"N., long. 110°05'35"W.; thence to the point of beginning.

**Designated altitudes.** Surface to unlimited.

**Time of designation.** As published by NOTAM issued 48 hours in advance of area activation.

**Controlling agency.** FAA, Denver ARTCC.

**Using agency.** Deputy for Air Force, White Sands Missile Range, NM 88002.

## **§73.65 Vermont**

### **R-6501A Underhill, VT**

**Boundaries.** Beginning at lat. 44°30'00"N., long. 72°51'58"W.; to lat. 44°27'00"N., long. 72°51'58"W.; to lat. 44°27'00"N., long. 72°54'58"W.; to lat. 44°28'30"N., long. 72°56'28"W.; to lat. 44°29'15"N., long. 72°56'28"W.; to lat. 44°30'00"N., long. 72°53'28"W.; to the point of beginning.

**Designated altitudes.** Surface to 4,000 feet MSL.

**Time of designation.** 0700 to 2300 Monday-Friday and 0000 Saturday to 2359 Sunday. Other times by NOTAM 24 hours in advance.

**Controlling agency.** FAA, Burlington Approach Control.

**Using agency.** Adjutant General, State of Vermont, Montpelier, VT.

**R-6501B Underhill, VT**

**Boundaries.** Beginning at lat. 44°30'00"N., long. 72°51'58"W.; to lat. 44°27'00"N., long. 72°51'58"W.; to lat. 44°27'00"N., long. 72°54'58"W.; to lat. 44°28'30"N., long. 72°56'28"W.; to lat. 44°29'15"N., long. 72°56'28"W.; to lat. 44°30'00"N., long. 72°53'28"W.; to the point of beginning.

**Designated altitudes.** 4,000 feet MSL to 13,600 feet MSL.

**Time of designation.** Intermittent.

**Controlling agency.** FAA, Burlington Approach Control.

**Using agency.** Adjutant General, state of Vermont, Montpelier, VT.

**§73.66 Virginia****R-6601 Fort A. P. Hill, VA**

**Boundaries.** Beginning at lat. 38°04'37"N., long. 77°18'44"W.; thence along U.S. Highway 301; to lat. 38°09'45"N., long. 77°11'59"W.; thence along U. S. Highway 17; to lat. 38°07'50"N., long. 77°08'29"W.; to lat. 38°05'30"N., long. 77°09'05"W.; to lat. 38°04'40"N., long. 77°10'19"W.; to lat. 38°03'12"N., long. 77°09'34"W.; to lat. 38°02'22"N., long. 77°11'39"W.; to lat. 38°02'30"N., long. 77°14'39"W.; to lat. 38°01'50"N., long. 77°16'07"W.; to lat. 38°02'15"N., long. 77°18'03"W.; to lat. 38°02'40"N., long. 77°18'59"W.; thence to the point of beginning.

**Designated altitudes.** Surface to 5,000 feet MSL.

**Time of Designation.** 0700 to 2300 local time daily. Other times when activated by NOTAM at least 48 hours in advance.

**Controlling agency.** FAA, Potomac TRACON.

**Using agency.** U.S. Army, Commander, Fort A. P. Hill, VA.

AMENDMENTS 5/10/07 72 FR 12081 (Revised)

**R-6602A Fort Pickett, VA**

**Boundaries.** Beginning at lat. 37°05'38"N., long. 77°51'53"W.; to lat. 37°04'26"N., long. 77°51'44"W.; along State Highway No. 40 to lat. 37°03'56"N., long. 77°51'04"W.; to lat. 37°02'44"N., long. 77°50'37"W.; to lat. 37°01'06"N., long. 77°50'42"W.; to lat. 36°59'51"N., long. 77°50'33"W.; to lat. 36°57'59"N., long. 77°52'13"W.; to lat. 36°57'55"N., long. 77°53'18"W.; to lat. 36°58'13"N., long. 77°57'41"W.; to lat. 37°01'51"N., long. 77°58'39"W.; to lat. 37°01'51"N., long. 77°55'57"W.; to lat. 37°04'22"N., long. 77°55'57"W.; to lat. 37°05'38"N., long. 77°54'41"W.; to the point of beginning.

**Designated altitudes.** Surface to but not including 4,000 feet MSL.

**Time of designation.** Continuous May 1 to Sept. 15. Other times by NOTAM 24 hours in advance.

**Controlling agency.** FAA, Washington ARTCC.

**Using agency.** Commander, Fort Lee, VA.

**R-6602B Fort Pickett, VA**

**Boundaries.** Beginning at lat. 37°05'38"N., long. 77°51'53"W.; to lat. 37°04'26"N., long. 77°51'44"W.; along State Highway No. 40 to lat. 37°03'56"N., long. 77°51'04"W.; to lat. 37°02'44"N., long. 77°50'37"W.; to lat. 37°01'06"N., long. 77°50'42"W.; to lat. 36°57'55"N., long. 77°53'18"W.; to lat. 36°58'13"N., long. 77°57'41"W.; to lat. 37°01'51"N., long. 77°58'39"W.; to lat. 37°01'51"N., long. 77°55'57"W.; to lat. 37°04'22"N., long. 77°55'57"W.; to lat. 37°05'38"N., long. 77°54'41"W.; to the point of beginning.

**Designated altitudes.** 4,000 feet MSL to but not including 11,000 feet MSL.

**Time of designation.** By NOTAM 24 hours in advance.

**Controlling agency.** FAA, Washington ARTCC.

**Using agency.** Commander, Fort Lee, VA.

**R-6602C Fort Pickett, VA**

**Boundaries.** Beginning at lat. 37°05'38"N., long. 77°51'53"W.; to lat. 37°04'26"N., long. 77°51'44"W.; along State Highway No. 40 to lat. 37°03'56"N., long. 77°51'04"W.; to lat. 37°02'44"N., long. 77°50'37"W.; to lat. 37°01'06"N., long. 77°50'42"W.; to lat. 36°57'55"N., long. 77°53'18"W.; to lat. 36°58'13"N., long. 77°57'41"W.; to lat. 37°01'51"N., long. 77°58'39"W.; to lat. 37°01'51"N., long. 77°55'57"W.; to lat. 37°04'22"N., long. 77°55'57"W.; to lat. 37°05'38"N., long. 77°54'41"W.; to the point of beginning.

**Designated altitudes.** 11,000 feet MSL to but not including 18,000 feet MSL.

**Time of designation.** By NOTAM 24 hours in advance.

**Controlling agency.** FAA Washington ARTCC.

**Using agency.** Commander, Fort Lee, VA.

**R-6604A Chincoteague Inlet, VA**

**Boundaries.** Beginning at lat. 37°55'25"N., long. 75°24'54"W.; to lat. 37°51'30"N., long. 75°17'14"W.; then along a line 3 NM from and parallel to the shoreline to lat. 37°38'45"N., long. 75°31'19"W.; to lat. 37°47'00"N., long. 75°31'18"W.; to lat. 37°51'00"N., long. 75°29'36"W.; to the point of beginning.

**Designated altitudes.** Unlimited.

**Time of designation.** Continuous.

**Controlling agency.** FAA, Washington ARTCC.

**Using agency.** Chief, Wallops Station, National Aeronautics and Space Administration, Wallops Island, VA.

AMENDMENTS 8/5/04 69 FR 32258 (Added)

**R-6604B Chincoteague Inlet, VA**

**Boundaries.** Beginning at lat. 37°56'45"N., long. 75°27'29"W.; to lat. 37°55'25"N., long. 75°24'54"W.; to lat. 37°51'00"N., long. 75°29'36"W.; to lat. 37°47'00"N., long. 75°31'18"W.; to 37°50'24"N., long. 75°31'19"W.; to the point of beginning.

**Designated altitudes.** Unlimited.

**Time of designation.** Continuous.

**Controlling agency.** FAA, Washington ARTCC.

**Using agency.** Chief, Wallops Station, National Aeronautics and Space Administration, Wallops Island, VA.

AMENDMENTS 8/5/04 69 FR 32258 (Added)

#### **R-6606 Pendleton, VA**

**Boundaries.** Beginning at lat. 36°51'01"N., long. 75°54'29"W.; thence 3 nautical miles from and parallel to the shoreline to lat. 36°34'34"N., long. 75°48'23"W.; to lat. 36°45'04"N., long. 75°56'11"W.; to lat. 36°44'46"N., long. 75°57'04"W.; to lat. 36°44'40"N., long. 75°57'59"W.; to lat. 36°47'01"N., long. 75°58'44"W.; to lat. 36°47'19"N., long. 75°56'53"W.; to the point of beginning.

**Designated altitudes.** Surface to and including 51,000 feet MSL.

**Time of designation.** 0800-1700 hours local time, Monday-Friday. Other times by NOTAM issued 48 hours in advance.

**Controlling agency.** FAA, Washington ARTCC.

**Using agency.** Fleet Area Control and Surveillance Facility, VACAPES, Virginia Beach, VA.

#### **R-6608A Quantico, VA**

**Boundaries.** Beginning at lat. 38°35'10"N., long. 77°34'06"W.; to lat. 38°37'00"N., long. 77°34'06"W.; to lat. 38°37'50"N., long. 77°32'19"W.; to lat. 38°37'17"N., long. 77°27'44"W.; to lat. 38°35'35"N., long. 77°27'44"W.; to the point of beginning.

**Designated altitudes.** Surface to 10,000 feet MSL.

**Time of designation.** 0500 to 2400 local time daily; other times by NOTAM 24 hours in advance.

**Controlling agency.** FAA, Potomac TRACON.

**Using agency.** U.S. Marine Corps, Commanding General, Marine Corps Base, Quantico, VA.

AMENDMENTS 3/15/07 71 FR 70467 (Amended)

#### **R-6608B Quantico, VA**

**Boundaries.** Beginning at lat. 38°35'10"N., long. 77°34'06"W.; to lat. 38°35'35"N., long. 77°27'44"W.; to lat. 38°29'31"N., long. 77°27'44"W.; to lat. 38°29'00"N., long. 77°28'44"W.; to lat. 38°31'20"N., long. 77°34'06"W.; to the point of beginning.

**Designated altitudes.** Surface to 10,000 feet MSL.

**Time of designation.** 0500 to 2400 local time daily; other times by NOTAM 24 hours in advance.

**Controlling agency.** FAA, Potomac TRACON.

**Using agency.** U.S. Marine Corps, Commanding General, Marine Corps Base, Quantico, VA.

AMENDMENTS 3/15/07 71 FR 70467 (Amended)

**R-6608C Quantico, VA**

**Boundaries.** Beginning at lat. 38°37'17"N., long. 77°27'44"W.; to lat. 38°37'00"N., long. 77°25'33"W.; to lat. 38°34'00"N., long. 77°23'59"W.; to lat. 38°31'15"N., long. 77°24'19"W.; to lat. 38°29'31"N., long. 77°27'44"W.; to the point of beginning.

**Designated altitudes.** Surface to 10,000 feet MSL.

**Time of designation.** 0500 to 2400 local time daily; other times by NOTAM 24 hours in advance.

**Controlling agency.** FAA, Potomac TRACON.

**Using agency.** U.S. Marine Corps, Commanding General, Marine Corps Base, Quantico, VA.

AMENDMENTS 3/15/07 71 FR 70467 (Amended)

**R-6609 Tangier Island, VA**

**Boundaries.** Beginning at lat. 37°53'10"N., long. 76°13'59"W.; to lat. 37°55'15"N., long. 76°02'29"W.; to lat. 37°50'00"N., long. 76°00'51"W.; to lat. 37°41'00"N., long. 76°00'51"W.; to lat. 37°40'00"N., long. 76°01'29"W.; to lat. 37°40'00"N., long. 76°09'59"W.; to lat. 37°45'00"N., long. 76°11'32"W.; to the point of beginning.

**Designated altitudes.** Surface to FL 200.

**Time of designation.** 0800 to 2300 hours, local time, other times by NOTAM issued at least 48 hours in advance.

**Controlling agency.** FAA, Washington ARTCC.

**Using agency.** Commanding Officer, NAS Patuxent River, MD.

**R-6611A Dahlgren Complex, VA**

**Boundaries.** Beginning at lat. 38°21'30"N., long. 77°01'14"W.; to lat. 38°17'30"N., long. 76°55'59"W.; to lat. 38°15'45"N., long. 76°51'59"W.; to lat. 38°13'00"N., long. 76°54'34"W.; to lat. 38°19'15"N., long. 77°01'59"W.; to the point of beginning.

**Designated altitudes.** Surface to 40,000 feet MSL.

**Time of designation.** 0800-1700 local time, Monday-Friday, other times by NOTAM issued 48 hours in advance.

**Controlling agency.** FAA, Washington ARTCC.

**Using agency.** Commander, Naval Surface Weapons Center, Dahlgren, VA.

**R-6611B Dahlgren Complex, VA**

**Boundaries.** Beginning at lat. 38°21'30"N., long. 77°01'14"W.; to lat. 38°17'30"N., long. 76°55'59"W.; to lat. 38°15'45"N., long. 76°51'59"W.; to lat. 38°13'00"N., long. 76°54'34"W.; to lat. 38°19'15"N., long. 77°01'59"W.; to the point of beginning.

**Designated altitudes.** 40,000 feet MSL to 60,000 feet MSL.

**Time of designation.** By NOTAM issued 48 hours in advance.

**Controlling agency.** FAA, Washington ARTCC.

**Using agency.** Commander, Naval Surface Weapons Center, Dahlgren, VA.

**R-6612 Dahlgren Complex, VA**

**Boundaries.** Two overlapping circular areas with 7,000-foot radii centered at lat. 38°17'59"N., long. 77°02'14"W., and lat. 38°18'23"N., long. 77°02'56"W.

**Designated altitudes.** Surface to 7,000 feet MSL.

**Time of designation.** 0800-1700 local time, Monday-Friday, other times by NOTAM issued 48 hours in advance.

**Controlling agency.** FAA, Washington ARTCC.

**Using agency.** Commander, Naval Surface Weapons Center, Dahlgren, VA.

**R-6613A Dahlgren Complex, VA**

**Boundaries.** Beginning at lat. 38°15'45"N., long. 76°51'59"W.; to lat. 38°13'30"N., long. 76°46'34"W.; to lat. 38°10'00"N., long. 76°49'59"W.; to lat. 38°13'00"N., long. 76°54'34"W.; to the point of beginning.

**Designated altitudes.** Surface to 40,000 feet MSL.

**Time of designation.** 0800-1700 local time, Monday-Friday, other times by NOTAM 48 hours in advance.

**Controlling agency.** FAA, Washington ARTCC.

**Using agency.** Commander, Naval Surface Weapons Center, Dahlgren, VA.

**R-6613B Dahlgren Complex, VA**

**Boundaries.** Beginning at lat. 38°15'45"N., long. 76°51'59"W.; to lat. 38°13'30"N., long. 76°46'34"W.; to lat. 38°10'00"N., long. 76°49'59"W.; to lat. 38°13'00"N., long. 76°54'34"W.; to the point of beginning.

**Designated altitudes.** 40,000 feet MSL to 60,000 feet MSL.

**Time of designation.** By NOTAM issued 48 hours in advance.

**Controlling agency.** FAA, Washington ARTCC.

**Using agency.** Commander, Naval Surface Weapons Center, Dahlgren, VA.

**§73.67 Washington****R-6701 Admiralty Inlet, WA**

**Boundaries.** Beginning at lat. 48°09'59"N., long. 122°34'53"W.; to lat. 48°05'44"N., long. 122°31'35"W.; to lat. 48°06'05"N., long. 122°41'17"W.; to lat. 48°09'59"N., long. 122°41'01"W.; to the point of beginning.

**Designated altitudes.** Surface to 5,000 feet MSL.

**Time of designation.** Intermittent by NOTAM two hours in advance.

**Controlling agency.** Whidbey Island NAS Approach Control, WA.

**Using agency.** U.S. Navy, Commanding Officer, NAS Whidbey Island, Oak Harbor, WA.

AMENDMENTS 5/27/93 58 FR 17323 (Amended)



**R-6703A Fort Lewis, WA**

**Boundaries.** Beginning at lat. 47°03'07"N., long. 122°41'09"W.; to lat. 47°04'34"N., long. 122°41'09"W.; to lat. 47°04'41"N., long. 122°38'19"W.; to lat. 47°03'37"N., long. 122°35'40"W.; to lat. 46°58'16"N., long. 122°37'44"W.; thence via the Nisqually River to the point of beginning.

**Designated altitudes.** Surface to 14,000 feet MSL.

**Time of designation.** 0700-2300 Monday-Friday; other times by NOTAM two hours in advance.

**Controlling agency.** FAA, Seattle-Tacoma Approach Control, WA.

**Using agency.** Commanding General, Fort Lewis, WA.

AMENDMENTS 6/30/88 53 FR 15021 (Amended)

**R-6703B Fort Lewis, WA**

**Boundaries.** Beginning at lat. 47°03'37"N., long. 122°35'40"W.; to lat. 47°02'35"N., long. 122°34'52"W.; to lat. 47°00'45"N., long. 122°34'52"W.; to lat. 46°59'59"N., long. 122°35'39"W.; to lat. 46°58'16"N., long. 122°37'44"W.; to the point of beginning.

**Designated altitudes.** Surface to 5,000 feet MSL.

**Time of designation.** 0700-2300 Monday-Friday; other times by NOTAM two hours in advance.

**Controlling agency.** FAA, Seattle-Tacoma Approach Control, WA.

**Using agency.** Commanding General, Fort Lewis, WA.

AMENDMENTS 6/30/88 53 FR 15021 (Amended)

**R-6703C Fort Lewis, WA**

**Boundaries.** Beginning at lat. 46°58'16"N., long. 122°37'44"W.; to lat. 46°54'34"N., long. 122°41'29"W.; to lat. 46°54'17"N., long. 122°43'36"W.; to lat. 46°55'11"N., long. 122°44'34"W.; to lat. 47°03'07"N., long. 122°41'09"W.; thence via the Nisqually River to the point of beginning.

**Designated altitudes.** Surface to 14,000 feet MSL.

**Time of designation.** Intermittent by NOTAM two hours in advance.

**Controlling agency.** FAA, Seattle-Tacoma Approach Control, WA.

**Using agency.** Commanding General, Fort Lewis, WA.

AMENDMENTS 6/30/88 53 FR 15021 (Amended)

**R-6703D Fort Lewis, WA**

**Boundaries.** Beginning at lat. 47°03'37"N., long. 122°35'40"W.; to lat. 47°02'13"N., long. 122°32'19"W.; to lat. 47°01'47"N., long. 122°31'42"W.; to lat. 47°00'59"N., long. 122°31'41"W.; to lat. 47°00'41"N., long. 122°33'16"W.; to lat. 47°00'29"N., long.

122°33'20"W.; to lat. 46°59'59"N., long. 122°35'39"W.; to lat. 47°00'45"N., long. 122°34'52"W.; to lat. 47°02'35"N., long. 122°34'52"W.; to the point of beginning.

**Designated altitudes.** Surface to 5,000 feet MSL.

**Time of designation.** 0700-2300 Monday-Friday; other times by NOTAM two hours in advance.

**Controlling agency.** FAA, Seattle-Tacoma Approach Control, WA.

**Using agency.** Commanding General, Fort Lewis, WA.

AMENDMENTS 6/30/88 53 FR 15021 (Amended)

#### **R-6714A Yakima, WA**

**Boundaries.** Beginning at lat. 46°50'59"N., long. 119°58'04"W.; thence south along the west edge of the Columbia River to lat. 46°42'28"N., long. 119°58'19"W.; to lat. 46°35'04"N., long. 120°02'50"W.; to lat. 46°37'50"N., long. 120°20'26"W.; to lat. 46°38'29"N., long. 120°20'25"W.; to lat. 46°38'59"N., long. 120°22'13"W.; to lat. 46°42'19"N., long. 120°26'12"W.; thence north along the east side of Interstate Highway 82 to lat. 46°47'49"N., long. 120°21'19"W.; to lat. 46°51'09"N., long. 120°09'02"W.; to the point of beginning.

**Designated altitudes.** Surface to but not including 29,000 feet MSL.

**Time of designation.** Intermittent by NOTAM.

**Controlling agency.** FAA, Seattle ARTCC.

**Using agency.** Commanding General, Fort Lewis, WA.

AMENDMENTS 12/5/96 61 FR 53052 (Amended)

#### **R-6714B Yakima, WA**

**Boundaries.** Beginning at lat. 46°42'28"N., long. 119°58'19"W.; thence south along the west edge of the Columbia River to lat. 46°38'59"N., long. 119°56'09"W.; to lat. 46°38'08"N., long. 119°56'13"W.; to lat. 46°38'08"N., long. 119°55'04"W.; to lat. 46°33'55"N., long. 119°55'04"W.; to lat. 46°35'04"N., long. 120°02'50"W.; thence to the point of beginning.

**Designated altitudes.** Surface to but not including 29,000 feet MSL.

**Time of designation.** Intermittent by NOTAM.

**Controlling agency.** FAA, Seattle ARTCC.

**Using agency.** Commanding General, Fort Lewis, WA.

AMENDMENTS 6/20/96 61 FR 18062 (Amended)

#### **R-6714C Yakima, WA**

**Boundaries.** Beginning at lat. 46°33'55"N., long. 119°55'04"W.; to lat. 46°32'50"N., long. 119°55'04"W.; to lat. 46°32'50"N., long. 120°04'25"W.; to lat. 46°37'03"N., long. 120°20'26"W.;

to lat. 46°37'50"N., long. 120°20'26"W.; to lat. 46°35'04"N., long. 120°02'50"W.; thence to the point of beginning.

**Designated altitudes.** Surface to but not including 29,000 feet MSL.

**Time of designation.** Intermittent by NOTAM.

**Controlling agency.** FAA, Seattle ARTCC.

**Using agency.** Commanding General, Fort Lewis, WA.

AMENDMENTS 6/20/96 61 FR 18062 (Amended)

### **R-6714D Yakima, WA**

**Boundaries.** Beginning at lat. 46°38'59"N., long. 120°22'13"W.; to lat. 46°38'59"N., long. 120°23'45"W.; to lat. 46°40'34"N., long. 120°26'39"W.; to lat. 46°42'19"N., long. 120°26'12"W.; thence to the point of beginning.

**Designated altitudes.** Surface to but not including 29,000 feet MSL.

**Time of designation.** Intermittent by NOTAM.

**Controlling agency.** FAA, Seattle ARTCC.

**Using agency.** Commanding General, Fort Lewis, WA.

AMENDMENTS 6/20/96 61 FR 18062 (Amended)

### **R-6714E Yakima, WA**

**Boundaries.** Beginning at lat. 46°50'59"N., long. 119°58'04"W.; thence south along the west side of the Columbia River to lat. 46°42'28"N., long. 119°58'19"W.; thence south along the west side of the Columbia River to lat. 46°38'59"N., long. 119°56'09"W.; to lat. 46°38'08"N., long. 119°56'13"W.; to lat. 46°38'08"N., long. 119°55'04"W.; to lat. 46°33'55"N., long. 119°55'04"W.; to lat. 46°33'19"N., long. 119°55'04"W.; to lat. 46°32'50"N., long. 119°55'04"W.; to lat. 46°32'50"N., long. 120°04'25"W.; to lat. 46°37'03"N., long. 120°20'26"W.; to lat. 46°37'50"N., long. 120°20'26"W.; to lat. 46°38'29"N., long. 120°20'25"W.; to lat. 46°38'59"N., long. 120°22'13"W.; to lat. 46°38'59"N., long. 120°23'45"W.; to lat. 46°40'34"N., long. 120°26'39"W.; to lat. 46°42'19"N., long. 120°26'12"W.; thence north along the east side of Interstate Highway 82 to lat. 46°47'49"N., long. 120°21'19"W.; thence north along the east side of Interstate Highway 82 to lat. 46°49'35"N., long. 120°21'38"W.; to lat. 46°51'09"N., long. 120°21'38"W.; to lat. 46°51'09"N., long. 120°16'34"W.; to lat. 46°54'29"N., long. 120°15'04"W.; to the point of beginning.

**Designated altitudes.** 29,000 feet MSL to but not including 55,000 feet MSL.

**Time of designation.** Intermittent by NOTAM.

**Controlling agency.** FAA, Seattle ARTCC.

**Using agency.** U.S. Army, Commanding General, Fort Lewis, WA.

AMENDMENTS 12/5/96 61 FR 53052 (Amended)

**R-6714F Yakima, WA**

**Boundaries.** Beginning at lat. 46°47'49"N., long. 120°21'19"W.; thence north along the east side of Interstate Highway 82 to lat. 46°49'35"N., long. 120°21'38"W.; to lat. 46°51'09"N., long. 120°21'38"W.; to lat. 46°51'09"N., long. 120°09'02"W"; thence to point of beginning.

**Designated altitudes.** Surface to but not including 29,000 feet MSL.

**Time of designation.** Intermittent by NOTAM.

**Controlling agency.** FAA, Seattle ARTCC.

**Using agency.** U.S. Army, Commanding General, Fort Lewis, WA.

AMENDMENTS 12/5/96 61 FR 53052 (Amended)

**R-6714G Yakima, WA**

**Boundaries.** Beginning at lat. 46°51'09"N., long. 120°16'34"W.; to lat. 46°54'29"N., long. 120°15'04"W.; to lat. 46°50'59"N., long. 119°58'04"W.; to lat. 46°51'09"N., long. 120°08'54"W.; to the point of beginning.

**Designated altitudes.** Surface to but not including 29,000 feet MSL.

**Time of designation.** Intermittent by NOTAM.

**Controlling agency.** FAA, Seattle ARTCC.

**Using agency.** U.S. Army, Commanding General, Fort Lewis, WA.

AMENDMENTS 12/5/96 61 FR 53052 (Amended)

**R-6714H Yakima, WA**

**Boundaries.** Beginning at lat. 46°54'58" N., long. 120°00'33"W.; excluding that airspace within a 1.5 mile radius of the Vantage Airport to lat. 46°54'39"N., long. 119°59'31"W.; thence south along the west side of the Wanpaum road to lat. 46°50'59"N., long. 119°58'04"W.; to lat. 46°54'29"N., long. 120°15'04"W.; to lat. 46°55'20"N., long. 120°15'04"W., to the point of beginning.

**Designated altitudes.** Surface to but not including 5,500 feet MSL.

**Time of designation.** Intermittent by NOTAM.

**Controlling agency.** FAA, Seattle ARTCC.

**Using agency.** U.S. Army, Commanding General, Fort Lewis, WA.

AMENDMENTS 12/5/96 61 FR 53052 (Amended)

**§73.68 West Virginia****§73.69 Wisconsin**

**R-6901A Fort McCoy, WI**

**Boundaries.** Beginning at lat. 44°08'40"N., long. 90°44'20"W.; to lat. 44°08'40"N., long. 90°40'22"W.; to lat. 44°09'36"N., long. 90°40'22"W.; to lat. 44°09'36"N., long. 90°36'50"W.; to lat. 44°00'10"N., long. 90°36'41"W., then West along Wisconsin State Highway 21; to lat. 44°00'10"N., long. 90°37'32"W.; to lat. 44°01'45"N., long. 90°44'31"W.; to the point of the beginning.

**Designated altitudes.** Surface to 20,000 feet MSL.

**Time of designation.** May 1 through September 30 - Continuous; October 1 through April 30 - 0800-2200 Monday-Thursday and 0800 Friday - 2200 Sunday; other times by NOTAM issued at least 24 hours in advance.

**Controlling agency.** FAA, Minneapolis ARTCC.

**Using agency.** U.S. Army, Commanding Officer, Fort McCoy, WI.

AMENDMENTS 1/15/09 73 FR 67102 (Amended)

**R-6901B Fort McCoy, WI**

**Boundaries.** Beginning at lat. 44°00'03"N., long. 90°43'10"W.; east along Wisconsin State Highway 21; to lat. 44°00'10"N., long. 90°36'41"W.; to lat. 44°00'02"N., long. 90°36'35"W.; to lat. 44°00'02"N., long. 90°35'15"W.; to lat. 43°56'22"N., long. 90°35'22"W.; to lat. 43°56'22"N., long. 90°39'00"W.; to lat. 43°56'38"N., long. 90°41'00"W.; to lat. 43°56'44"N., long. 90°43'17"W.; to the point of beginning.

**Designated altitudes.** Surface to 20,000 feet MSL.

**Time of designation.** By NOTAM issued 24 hours in advance.

**Controlling agency.** FAA, Minneapolis ARTCC.

**Using agency.** U.S. Army, Commanding Officer, Fort McCoy, WI.

AMENDMENTS 1/15/09 73 FR 67102 (Amended)

**R-6903 Sheboygan, WI**

**Boundaries.** Beginning at lat. 43°19'00"N., long. 87°41'00"W.; to lat. 44°05'30"N., long. 87°29'45"W.; to lat. 44°02'00"N., long. 87°02'30"W.; to lat. 43°15'30"N., long. 87°14'00"W.; to the point of beginning.

**Designated altitudes.** Surface to FL 450.

**Controlling agency.** FAA, Minneapolis ARTCC.

**Time of designation.** Intermittent by NOTAM.

**Using agency.** Commander, Volk Field, WI.

AMENDMENTS 1/15/09 73 FR 67102 (Amended)

**R-6904A Volk Field, WI**

**Boundaries.** Beginning at lat. 44°18'00"N., long. 89°59'00"W.; to lat. 44°10'00"N., long. 89°59'00"W.; to lat. 44°10'00"N., long. 90°11'00"W.; to lat. 44°18'00"N., long. 90°11'00"W.; thence to the point of beginning excluding that airspace within R-6904B.

**Designated altitudes.** 150 feet AGL to FL 230.

**Time of designation.** 0800-1600 local time, Tuesday through Saturday. Other times by NOTAM.

**Controlling agency.** FAA, Minneapolis ARTCC.

**Using agency.** Commander, Volk Field, WI.

AMENDMENTS 7/10/03 68 FR 19946 (Amended)

#### **R-6904B Volk Field, WI**

**Boundaries.** Beginning at lat. 44°15'00"N., long. 89°59'00"W.; to lat. 44°13'00"N., long. 89°59'00"W.; to lat. 44°13'00"N., long. 90°07'00"W.; to lat. 44°15'00"N., long. 90°07'00"W.;

thence to the point of beginning.

**Designated altitudes.** Surface to FL 230.

**Time of designation.** 0800-1600 local time, Tuesday through Saturday. Other times by NOTAM.

**Controlling agency.** FAA, Minneapolis ARTCC.

**Using agency.** Commander, Volk Field, WI.

AMENDMENTS 7/10/03 68 FR 19946 (Amended)

### **§73.70 Wyoming**

#### **R-7001A Guernsey, WY**

**Boundaries.** Beginning at lat. 42°27'30"N., long. 104°52'32"W.; to lat. 42°27'30"N., long. 104°42'32"W.; to lat. 42°22'30"N., long. 104°42'32"W.; to lat. 42°20'00"N., long. 104°52'32"W.;

to the point of beginning.

**Designated altitudes.** Surface to but not including 8,000 feet MSL.

**Time of designation.** Intermittent, 24 hours in advance by NOTAM.

**Controlling agency.** FAA, Denver ARTCC.

**Using agency.** Adjutant General, State of Wyoming.

#### **R-7001B Guernsey, WY**

**Boundaries.** Beginning at lat. 42°27'30"N., long. 104°52'32"W.; to lat. 42°27'30"N., long. 104°42'32"W.; to lat. 42°22'30"N., long. 104°42'32"W.; to lat. 42°20'00"N., long. 104°52'32"W.;

to the point of beginning.

**Designated altitudes.** 8,000 feet MSL to 23,500 feet MSL.

**Time of designation.** Intermittent, 24 hours in advance by NOTAM.

**Controlling agency.** FAA, Denver ARTCC.

**Using agency.** Adjutant General, State of Wyoming.

**R-7001C Guernsey, WY**

**Boundaries.** Beginning at lat. 42°27'30"N., long. 104°52'32"W.; to lat. 42°27'30"N., long. 104°42'32"W.; to lat. 42°22'30"N., long. 104°42'32"W.; to lat. 42°20'00"N., long. 104°52'32"W.; to the point of beginning.

**Designated altitudes.** 23,500 feet MSL to 30,000 feet MSL.

**Time of designation.** Intermittent, 24 hours in advance by NOTAM.

**Controlling agency.** FAA, Denver ARTCC.

**Using agency.** Adjutant General, State of Wyoming.

**§73.71 Puerto Rico****R-7103A Salinas, PR**

**Boundaries.** Beginning at lat. 18°02'53"N., long. 66°14'34"W.; to lat. 18°01'09"N., long. 66°15'13"W.; to lat. 17°59'50"N., long. 66°15'59"W.; to lat. 17°59'09"N., long. 66°17'10"W.; to lat. 18°00'53"N., long. 66°19'57"W.; to lat. 18°01'46"N., long. 66°18'52"W.; to lat. 18°02'27"N., long. 66°18'46"W.; to lat. 18°03'18"N., long. 66°17'53"W.; to lat. 18°04'00"N., long. 66°16'59"W.; to the point of beginning.

**Designated altitudes.** Surface to 12,000 feet MSL.

**Time of designation.** Intermittent, activated 24 hours in advance by NOTAM.

**Controlling agency.** FAA, San Juan CERAP.

**Using agency.** The Adjutant General, Commonwealth of Puerto Rico.

**R-7103B Salinas, PR**

**Boundaries.** Beginning at lat. 18°02'53"N., long. 66°14'34"W.; to lat. 18°02'30"N., long. 66°13'38"W.; to lat. 17°58'46"N., long. 66°15'21"W.; to lat. 17°58'23"N., long. 66°16'29"W.; to lat. 17°58'53"N., long. 66°17'36"W.; to lat. 17°59'09"N., long. 66°17'10"W.; to lat. 17°59'49"N., long. 66°15'59"W.; to lat. 18°01'09"N., long. 66°15'13"W.; to the point of beginning.

**Designated altitudes.** 3,000 feet MSL to 12,000 feet MSL.

**Time of designation.** Intermittent, activated 24 hours in advance by NOTAM.

**Controlling agency.** FAA, San Juan CERAP.

**Using agency.** The Adjutant General, Commonwealth of Puerto Rico.

**R-7103C Salinas, PR**

**Boundaries.** Beginning at lat. 17°59'09"N., long. 66°17'10"W.; to lat. 17°58'53"N., long. 66°17'36"W.; to lat. 17°59'37"N., long. 66°19'16"W.; to lat. 18°00'20"N., long. 66°18'57"W.; to the point of beginning.

**Designated altitudes.** 2,000 feet MSL to 12,000 feet MSL.

**Time of designation.** Intermittent, activated 24 hours in advance by NOTAM.

**Controlling agency.** FAA, San Juan CERAP.

**Using agency.** The Adjutant General, Commonwealth of Puerto Rico.

**R-7105 Lajas, PR**

**Boundaries.** That airspace within a 3-nautical-mile radius centered on lat. 17°58'38"N., long. 67°04'54"W.

**Designated altitudes.** Surface to and including 15,000 feet MSL.

**Times of designation.** Continuous.

**Controlling agency.** FAA, San Juan CERAP.

**Using agency.** Puerto Rico Police Department.

AMENDMENTS 3/8/90 55 FR 1806 (Added)

**§73.72 Guam****R-7201 Farallon De Medinilla Island Mariana Islands, GU**

**Boundaries.** The area within a 3-nautical-mile radius of lat. 16°01'04"N., long. 146°04'39"E.

**Designated altitudes.** Surface to FL 600.

**Time of designation.** As activated by NOTAM 12 hours in advance.

**Controlling agency.** FAA, Guam Center/RAPCON.

**Using agency.** Commander, Naval Forces, Marianas.



## Subpart C – Prohibited Areas

### §73.81 Applicability.

This subpart designates prohibited areas and prescribes limitations on the operation of aircraft therein.

### §73.83 Restrictions.

No person may operate an aircraft within a prohibited area unless authorization has been granted by the using agency.

### §73.85 Using Agency.

For the purpose of this subpart, the using agency is the agency, organization or military command that established the requirements for the prohibited area.

**Note:** Sections 73.87 through 73.99 are reserved for descriptions of designated prohibited areas.

### §73.87

#### **P-56 District of Columbia Boundaries.**

**A.** Beginning at the southwest corner of the Lincoln Memorial (lat. 38°53'20"N., long. 77°03'02"W.); thence via a 327° bearing, 0.6 mile, to the intersection of New Hampshire Avenue and Rock Creek and Potomac Parkway, NW (lat. 38°53'45"N., long. 77°03'23"W.); thence northeast along New Hampshire Avenue, 0.6 mile, to Washington Circle, at the intersection of New Hampshire Avenue and K Street, NW (lat. 38°54'08"N., long. 77°03'01"W.); thence east along K Street, 2.5 miles, to the railroad overpass between First and Second Streets, NE (lat. 38°54'08"N., long. 77°00'13"W.); thence southeast via a 158° bearing, 0.7 mile, to the southeast corner of Stanton Square, at the intersection of Massachusetts Avenue and Sixth Street, NE (lat. 38°53'35"N., long. 76°59'56"W.); thence southwest via a 211° bearing, 0.8 mile, to the Capitol Power Plant at the intersection of New Jersey Avenue and E Street, SE (lat. 38°52'59"N., long. 77°00'24"W.); thence west via a 265° bearing, 0.7 mile, to the intersection of the Southwest Freeway (Interstate Route 95) and Sixth Street, SW extended (lat. 38°52'56"N., long. 77°01'12"W.); thence north along Sixth Street, 0.4 mile, to the intersection of Sixth Street and Independence Avenue, SW (lat. 38°53'15"N., long. 77°01'12"W.); thence west along the north side of Independence Avenue, 0.8 mile, to the intersection of Independence Avenue and 15th Street, SW (lat. 38°53'16"N., long. 77°02'01"W.); thence west along the southern lane of Independence Avenue, 0.4 mile to the west end of the Kutz Memorial Bridge over the Tidal Basin (lat. 38°53'12"N., long. 77°02'27"W.); thence west via a 285° bearing, 0.6 mile, to the southwest corner of the Lincoln Memorial, to the point of beginning.

**B.** That area within a 1/2-mile-radius from the center of the U. S. Naval Observatory located between Wisconsin and Massachusetts Avenues at 34th Street, NW (lat. 38°55'17"N., long. 77°04'01"W.).

**Designated altitudes.** Surface to 18,000 feet MSL.

**Time of designation.** Continuous.

**Using agency.** United States Secret Service, Washington, DC.

AMENDMENTS 3/25/99 64 FR 13334 (Amended)

## §73.89

### **P-47 Amarillo, TX**

**Boundaries.** Beginning at lat. 35°21'09"N., long. 101°37'05"W.; to lat. 35°21'11"N., long. 101°32'29"W.; to lat. 35°18'09"N., long. 101°32'29"W.; to lat. 35°18'09"N., long. 101°34'50"W.; to lat. 35°17'55"N., long. 101°35'10"W.; to lat. 35°17'55"N., long. 101°35'39"W.; to lat. 35°19'05"N., long. 101°35'42"W.; to lat. 35°19'05"N., long. 101°36'06"W.; to lat. 35°18'02"N., long. 101°36'29"W.; to lat. 35°18'02"N., long. 101°37'05"W.; to the point of beginning.

**Designated altitudes.** Surface to 4,800 feet MSL (1,200 feet AGL).

**Time of designation.** Continuous.

**Using agency.** Manager, Pantex Field Office, Department of Energy, Amarillo, TX.

### **P-49 Crawford, TX**

**Boundaries.** That airspace within a 3 NM radius of lat. 31°34'45"N., long. 97°32'00"W.

**Designated altitudes.** Surface to 5,000 feet MSL.

**Time of designation.** Continuous.

**Using agency.** United States Secret Service, Washington, DC.

AMENDMENTS 5/15/03 68 FR 7917 (Amended)

## §73.90

### **P-40 Thurmont, MD**

**Boundaries.** That airspace within a 3 NM radius of the Naval Support Facility, lat. 39°38'53"N., long. 77°28'00"W.

**Designated altitudes.** Surface to but not including 5,000 feet MSL.

**Time of designation.** Continuous.

**Using agency.** Administrator, FAA, Washington, DC.

**§73.91****P-73 Mount Vernon, VA**

**Boundaries.** That airspace within a 0.5-mile radius of lat. 38°42'28"N., long. 77°05'10"W.

**Designated altitudes.** Surface to but not including 1,500 feet MSL.

**Time of designation.** Continuous.

**Using agency.** Administrator, FAA, Washington, DC.

**§73.92****P-50 Kings Bay, GA**

**Boundaries.** That airspace within a 2-NM radius of lat. 30°48'00"N., long. 81°31'00"W.

**Designated altitudes.** Surface to but not including 3,000 feet MSL.

**Time of designation.** Continuous.

**Using agency.** Administrator, FAA, Washington, DC.

AMENDMENTS 2/16/06 70 FR 76148 (Added)

**§73.93****P-51 Bangor, WA**

**Boundaries:** Beginning at lat. 47°46'31"N., long. 122°46'12"W.; to lat. 47°46'29"N., long. 122°41'31"W.; to lat. 47°41'42"N., long. 122°41'27"W.; to lat. 47°41'40"N., long. 122°44'11"W.; to lat. 47°43'19"N., long. 122°46'09"W.; to the point of beginning.

**Designated Altitudes.** Surface to but not including 2,500 MSL.

**Time of designation.** Continuous.

**Using agency.** Administrator, FAA, Washington, DC.

AMENDMENTS 12/22/05 70 FR 29946 (Added)

**§73.94**

**P-67 Kennebunkport, ME**

**Boundaries.** A circular area of 1-mile radius centered on lat. 43°20'40"N., long. 70°27'34"W.

**Designated altitudes.** Surface to 1,000 feet MSL.

**Time of designation.** Continuous.

**Using agency.** Administrator, FAA, Washington, DC.

## Part II – Nonregulatory Special Use Airspace Areas

### Subpart A - General

#### General.

**Horizontal Limits.** The horizontal limits of special use airspace are defined by geographic coordinates or other appropriate references that clearly describe their boundaries.

#### **Vertical Limits.**

- a. Vertical limits are established as necessary to contain the planned activities.
- b. Within areas solely containing aircraft operations, altitudes at or above 18,000 feet MSL are expressed as flight levels. Within areas containing other than aircraft operations, altitudes at or above 18,000 feet MSL are expressed as feet above mean sea level (MSL).
- c. Below 18,000 feet MSL, altitudes are expressed to the nearest 100 feet. Above 18,000 feet MSL, altitudes/flight levels are to the nearest 500 feet.
- d. Procedures for determining the floor of special use airspace vary according to area type and are contained in the appropriate chapters in Handbook 7400.2 Procedures for Handling Airspace Matters.
- e. Ceilings are expressed as flight levels or feet above MSL. Unless otherwise specified, the word "to" an altitude or flight level means "to and including" that altitude or flight level. If the vertical limit does not include the altitude or flight level, the ceiling is expressed as "to but not including."

**Times of use.** Times of use are expressed in the local time of the using agency using the 24-hour clock.

**Controlling agency.** An FAA or military facility is assigned as the controlling agency. This is not applicable, when the airspace will not be joint use.

**Using agency.** Normally, the using agency is the agency, organization or military command whose activity established the requirement for the special use airspace. An ATC facility may be the using agency for joint use areas when the facility is specified in a letter of procedure as having priority for use of the area.

## Subpart B – Military Operations Areas

### Definition.

A Military Operations Area (MOA) is airspace established outside positive control area to separate/segregate certain nonhazardous military activities from IFR traffic and to identify for VFR traffic where these activities are conducted.

### Activities.

MOA's are established to contain certain military activities such as air combat maneuvers, air intercepts, acrobatics, etc.

#### **Abel Bravo MOA, CA**

**Boundaries.** Beginning at lat. 32°56'30"N., long. 115°27'03"W.; to lat. 32°57'00"N., long. 115°10'53"W.; to lat. 32°51'00"N., long. 115°05'33"W.; to lat. 32°51'00"N., long. 115°26'03"W.; to the point of beginning, excluding R-2512.

**Altitudes.** 7,000 feet MSL to but not including FL 180.

**Times of use.** 0500 to 2200 Monday-Friday; other times by NOTAM.

**Controlling agency.** FAA, Los Angeles ARTCC.

**Using agency.** U.S. Marine Corps, Marine Corps Air Station, Yuma, AZ.

ADDED 9/16/93

#### **Abel East MOA, CA**

**Boundaries.** Beginning at lat. 33°15'30"N., long. 114°55'33"W. to lat. 33°03'00"N., long. 114°45'03"W.; to lat. 32°51'00"N., long. 114°45'03"W.; to lat. 32°51'00"N., long. 115°05'33"W.; to lat. 32°57'00"N., long. 115°10'53"W.; to lat. 33°08'45"N., long. 114°56'43"W.; to the point of beginning.

**Altitudes.** 5,000 feet MSL to but not including 13,000 feet MSL.

**Times of use.** Intermittent by NOTAM.

**Controlling agency.** FAA, Los Angeles ARTCC.

**Using agency.** USMC, MCAS Yuma, AZ.

ADDED 3/8/90

#### **Abel North MOA, CA**

**Boundaries.** Beginning at lat. 33°32'40"N., long. 115°33'53"W.; to lat. 33°31'00"N., long. 115°04'03"W.; to lat. 33°15'30"N., long. 114°55'33"W.; to lat. 33°08'45"N., long. 114°56'43"W.; to lat. 33°01'00"N., long. 115°06'03"W.; to lat. 33°14'00"N., long. 115°22'33"W.; to lat. 33°21'30"N., long. 115°32'58"W.; to lat. 33°23'40"N., long. 115°33'23"W.; to lat. 33°28'30"N., long. 115°42'13"W.; to the point of beginning, excluding R-2507N, R-2507S and R-2507E.

**Altitudes.** 7,000 feet MSL to but not including FL 180.

**Times of use.** 0500 to 2200 Monday-Friday; other times by NOTAM.

**Controlling agency.** FAA, Los Angeles ARTCC.

**Using agency.** U.S. Marine Corps, Marine Corps Air Station, Yuma, AZ.

BOUNDARIES CHANGED 06/08/06

#### **Abel South MOA, CA**

**Boundaries.** Beginning at lat. 33°21'30"N., long. 115°32'58"W.; to lat. 33°01'00"N., long. 115°06'03"W.; to lat. 32°57'00"N., long. 115°10'53"W.; to lat. 32°56'30"N., long.

115°27'03"W.; to the point of beginning, excluding R-2512.

**Altitudes.** 7,000 feet MSL to but not including FL 180.

**Times of use.** 0500 to 2200 Monday-Friday; other times by NOTAM.

**Controlling agency.** FAA, Los Angeles ARTCC

**Using agency.** U.S. Marine Corps, Marine Corps Air Station, Yuma, AZ.

ADDED 9/16/93

#### **Ada East MOA, KS**

**Boundaries.** Beginning at lat. 39°07'40"N., long. 97°38'01"W.; to lat. 39°37'30"N., long. 97°39'01"W.; to lat. 39°46'30"N., long. 97°00'01"W.; to lat. 39°05'30"N., long. 97°00'01"W.; to lat. 39°01'30"N., long. 97°23'46"W.; thence counterclockwise along the 12 NM DME arc of the Salina VORTAC to the point of beginning.

**Altitudes.** 7,000 feet MSL to but not including FL 180.

**Times of use.** Sunrise-sunset Monday-Friday; occasional use on weekends by NOTAM.

**Controlling agency.** FAA, Kansas City ARTCC

**Using agency.** 184th Tactical Fighter Group, McConnell AFB, Wichita, KS

BOUNDARIES CHANGED 6/1/89

#### **Ada West MOA, KS**

**Boundaries.** Beginning at lat. 39°02'00"N., long. 97°50'21"W.; to lat. 39°08'00"N., long. 98°30'01"W.; to lat. 39°26'00"N., long. 98°30'01"W.; to lat. 39°37'30"N., long. 97°39'01"W.; to lat. 39°07'40"N., long. 97°38'01"W.; thence counterclockwise along the 12 NM DME arc of the Salina VORTAC to the point of beginning.

**Altitudes.** 7,000 feet MSL to but not including FL 180.

**Times of use.** Sunrise-sunset Monday-Friday; occasional use on weekends by NOTAM.

**Controlling agency.** FAA, Kansas City ARTCC

**Using agency.** 184th Tactical Fighter Group, McConnell AFB, Wichita, KS

BOUNDARIES CHANGED 6/1/89

**Adirondack A MOA, NY**

**Boundaries.** Beginning at lat. 44°30'00"N., long. 75°20'00"W.; to lat. 44°36'00"N., long. 75°03'00"W.; to lat. 44°30'00"N., long. 75°03'00"W.; to the point of beginning.

**Altitudes.** 6,000 feet MSL to but not including FL 180.

**Times of use.** May 1-August 31: 0800-1700 Monday-Friday; other times by NOTAM.  
September 1-April 30: 0800-2200 Monday-Friday; other times by NOTAM.

**Controlling agency.** FAA, Boston ARTCC.

**Using agency.** NY ANG, 174FW/Det 1, Fort Drum, NY.

ADDED 11/20/08

**Adirondack B MOA, NY**

**Boundaries.** Beginning at lat. 44°19'00"N., long. 75°37'05"W.; to lat. 44°26'30"N., long. 75°30'00"W.; to lat. 44°30'00"N., long. 75°20'00"W.; to lat. 44°30'00"N., long. 75°03'00"W.; to lat. 44°27'30"N., long. 75°03'00"W.; to lat. 44°20'20"N., long. 75°10'30"W.; to lat. 44°15'09"N., long. 75°30'42"W.; to lat. 44°16'07"N., long. 75°32'41"W.; to the point of beginning; excluding R-5202B when active.

**Altitudes.** 2,500 feet MSL to but not including FL 180.

**Times of use.** May 1-August 31: 0800-1700 Monday-Friday; other times by NOTAM.  
September 1-April 30: 0800-2200 Monday-Friday; other times by NOTAM.

**Controlling agency.** FAA, Boston ARTCC.

**Using agency.** NY ANG, 174FW/Det 1, Fort Drum, NY.

ADDED 11/20/08

**Adirondack C MOA, NY**

**Boundaries.** Beginning at lat. 44°15'09"N., long. 75°30'42"W.; to lat. 44°20'20"N., long. 75°10'30"W.; to lat. 44°27'30"N., long. 75°03'00"W.; to lat. 44°06'00"N., long. 75°03'00"W.; to lat. 44°06'00"N., long. 75°28'49"W.; to lat. 44°07'10"N., long. 75°26'49"W.; to lat. 44°11'24"N., long. 75°22'59"W.; to the point of beginning; excluding R-5202B when active.

**Altitudes.** 100 feet AGL to but not including FL 180.

**Times of use.** May 1-August 31: 0800-1700 Monday-Friday; other times by NOTAM.  
September 1-April 30: 0800-2200 Monday-Friday; other times by NOTAM.

**Controlling agency.** FAA, Boston ARTCC.

**Using agency.** NY ANG, 174FW/Det 1, Fort Drum, NY

ADDED 11/20/08

**Adirondack D MOA, NY**

**Boundaries.** Beginning at lat. 44°11'50"N., long. 75°43'53"W.; to lat. 44°19'00"N., long. 75°37'05"W.; to lat. 44°16'07"N., long. 75°32'41"W.; to lat. 44°10'50"N., long. 75°38'59"W.; to lat. 44°09'34"N., long. 75°40'00"W.; to the point of beginning; excluding R-5202B when active.

**Altitudes.** 5,000 feet MSL to but not including FL 180.



**Times of use.** May 1-August 31: 0800-1700 Monday-Friday; other times by NOTAM.  
September 1-April 30: 0800-2200 Monday-Friday; other times by NOTAM.

**Controlling agency.** FAA, Boston ARTCC.

**Using agency.** NY ANG, 174FW/Det 1, Fort Drum, NY

ADDED 11/20/08

### **Airburst A MOA, CO**

**Boundaries.** Beginning at lat. 38°42'00"N., long. 105°08'02"W.; to lat. 38°40'00"N., long. 104°53'02"W.; to lat. 38°37'30"N., long. 104°53'02"W.; thence southwest along Colorado Highway 115 to lat. 38°29'35"N., long. 104°57'32"W.; to lat. 38°26'08"N., long. 104°57'32"W.; to lat. 38°26'15"N., long. 105°00'00"W.; to lat. 38°29'00"N., long. 105°06'02"W.; to lat. 38°29'00"N., long. 105°15'32"W.; thence to point of beginning.

**Altitudes.** 1,500 feet AGL to but not including FL 180

**Times of use.** Sunrise to sunset, Tuesday-Saturday other times by NOTAM except between 2200 and 0700 local hours.

**Controlling agency.** FAA, Denver ARTCC.

**Using Agency.** 140<sup>th</sup> Tactical Fighter Wing, Buckley Air National Guard Base, CO.

ADDED 12/30/99

### **Airburst B MOA, CO**

**Boundaries.** Beginning at lat. 38°26'15"N., long. 105°00'00"W.; to lat. 38°26'08"N., long. 104°57'32"W.; to lat. 38°26'10"N., long. 104°49'02"W.; to lat. 38°25'35"N., long. 104°49'02"W.; to lat. 38°24'00"N., long. 104°49'54"W.; to lat. 38°24'45"N., long. 104°58'47"W.; thence to point of beginning.

**Altitudes.** 500 feet AGL to but not including FL 180.

**Times of use.** Sunrise to sunset, Tuesday-Saturday other times by NOTAM except between 2200 and 0700 local hours.

**Controlling agency.** FAA, Denver ARTCC.

**Using Agency.** 140<sup>th</sup> Tactical Fighter Wing, Buckley Air National Guard Base, CO.

ADDED 12/30/99

### **Airburst C MOA, CO**

**Boundaries.** Beginning at lat. 38°24'45"N., long. 104°58'47"W.; to lat. 38°24'00"N., long. 104°49'54"W.; to lat. 38°21'36"N., long. 104°50'42"W.; thence west along U.S. Highway 50 to lat. 38°23'50"N., long. 104°58'00"W.; thence to point of beginning.

**Altitudes.** 500 feet AGL to but not including 8,500 feet MSL.

**Times of use.** Sunrise to sunset, Tuesday-Saturday other times by NOTAM except between 2200 and 0700 local hours.

**Controlling agency.** FAA, Denver ARTCC.

**Using Agency.** 140<sup>th</sup> Tactical Fighter Wing, Buckley Air National Guard Base, CO.

ADDED 12/30/99

### **Anne High MOA, AR**

**Boundaries.** Beginning at lat. 33°06'00"N., long. 93°45'01"W.; to lat. 33°26'00"N., long. 93°42'01"W.; to lat. 33°26'00"N., long. 93°01'16"W.; to lat. 33°01'00"N., long. 93°15'01"W.; thence to the point of beginning.

**Altitudes.** 7,000 feet MSL to but not including FL 180.

**Times of use.** Sunrise-sunset, Monday-Friday; other times by NOTAM.

**Controlling agency.** FAA, Fort Worth ARTCC

**Using agency.** USAF, 917th Tactical Fighter Group (TFG), Barksdale AFB, LA

CORRECTION TO STATE AND ALTITUDES CHANGED 5/27/93

### **Anne Low MOA, AR**

**Boundaries.** Beginning at lat. 33°06'00"N., long. 93°45'01"W.; to lat. 33°26'00"N., long. 93°42'01"W.; to lat. 33°26'00"N., long. 93°01'16"W.; to lat. 33°01'00"N., long. 93°15'01"W.; thence to the point of beginning.

**Altitudes.** 100 feet AGL to but not including 7,000 feet above MSL, excluding that airspace 1,500 feet AGL and below within the Magnolia Municipal Airport, Magnolia, Arkansas, exclusion beginning at lat. 33°06'00"N., long. 93°12'31"W.; to lat. 33°10'40"N., long. 93°14'11"W.; thence via a 3-nautical mile arc from the Magnolia Municipal Airport (lat. 33°13'45"N., long. 93°13'01"W.) to lat. 33°16'00"N., long. 93°15'51"W.; to lat. 33°26'00"N., long. 93°09'31"W.; thence clockwise via the MOA boundary to point of beginning.

**Times of use.** Sunrise to sunset, Monday through Friday; other times by NOTAM.

**Controlling agency.** FAA, Fort Worth ARTCC

**Using agency.** USAF, 917th Tactical Fighter Group (TFG), Barksdale AFB, LA

CORRECTION TO STATE 5/27/93

### **Arrowhead MOA, AR**

**Boundaries.** Beginning at lat. 35°13'50"N., long. 94°12'01"W.; to lat. 35°05'31"N., long. 94°17'57"W.; to lat. 35°13'42"N., long. 94°18'49"W.; to lat. 35°15'16"N., long. 94°17'28"W.; to lat. 35°13'50"N., long. 94°15'01"W.; to the point of beginning.

**Altitudes.** 100 feet AGL to, but not including, FL 180.

**Times of use.** 0500-2000, Monday-Friday; other times by NOTAM.

**Controlling agency.** FAA, Memphis ARTCC

**Using agency.** Arkansas Air National Guard, 188<sup>th</sup> Fighter Wing, Ft. Smith, AR.

ADDED 1/15/09

**Austin 1 MOA, NV**

**Boundaries.** Beginning at lat. 40°06'00"N., long. 117°48'03"W.; to lat. 40°23'00"N., long. 116°52'03"W.; to lat. 40°25'00"N., long. 116°30'03"W.; to lat. 39°45'00"N., long. 116°30'03"W.; to lat. 39°10'00"N., long. 117°23'03"W.; to lat. 39°55'00"N., long. 117°26'03"W.; to the point of beginning, excluding: (1) That airspace encompassed by a 3 NM radius centered on the town of Austin, NV, located at approximately lat. 39°29'50"N., long. 117°04'03"W., below 2,000 feet AGL. (2) That airspace encompassed by a 3 NM radius centered on Austin Airport, NV, located at lat. 39°28'05"N., long. 117°11'44"W., below 2,000 feet AGL. (3) That airspace 2 NM either side of State Route 722 to the town of Austin, then 2 NM either side of U.S. Highway 50 to the eastern boundary of the Austin 1 MOA between 2,000 feet AGL and 10,500 feet MSL.

**Altitudes.** 200 feet AGL up to but not including FL 180.

**Times of use.** 0800-2100 local time, Monday to Friday; other times by NOTAM.

**Controlling agency.** FAA, Salt Lake City ARTCC

**Using Agency.** U.S. Navy, Commander, Naval Strike and Air Warfare Center, NAS, Fallon, NV.

USING AGENCY CHANGED 9/11/97

**Austin 2 MOA, NV**

**Boundaries.** Beginning at lat. 39°10'00"N., long. 117°23'03"W.; to lat. 39°45'00"N., long. 116°30'03"W.; to lat. 39°18'00"N., long. 116°30'03"W.; to lat. 38°56'00"N., long. 117°23'03"W.; to the point of beginning, excluding: that airspace 2 NM either side of U.S. Highway 50 between 2,000 feet AGL and 10,500 feet MSL.

**Altitudes.** 200 feet AGL up to but not including FL 180.

**Times of use.** 0800-2100 local time, Monday to Friday; other times by NOTAM.

**Controlling agency.** FAA, Salt Lake City ARTCC

**Using Agency.** U.S. Navy, Commander, Naval Strike and Air Warfare Center, NAS, Fallon, NV.

USING AGENCY CHANGED 9/11/97

**Avon East MOA, FL**

**Boundaries.** Beginning at lat. 27°44'46"N., long. 81°11'39"W.; to lat. 27°44'46"N., long. 81°08'29"W.; to lat. 27°34'01"N., long. 81°04'29"W.; to lat. 27°32'31"N., long. 81°07'29"W.; to lat. 27°35'01"N., long. 81°08'59"W.; to the point of beginning.

**Altitudes.** 500 feet AGL to but not including 14,000 feet MSL.

**Times of use.** Intermittent, sunrise-sunset, Monday-Friday; other times by NOTAM.

**Controlling agency.** FAA, Miami ARTCC

**Using agency.** 56 Tactical Training Wing, MacDill AFB, FL

TIMES OF USE CHANGED 1/15/09

**Avon North MOA, FL**

**Boundaries.** Beginning at lat. 28°00'01"N., long. 81°20'59"W.; to lat. 28°00'01"N., long. 81°13'59"W.; to lat. 27°44'46"N., long. 81°13'59"W.; to lat. 27°44'46"N., long. 81°20'59"W.; to the point of beginning.

**Altitudes.** 5,000 feet MSL to but not including FL 180.

**Times of use.** Intermittent, sunrise-sunset, Monday-Friday; other times by NOTAM.

**Controlling agency.** FAA, Miami ARTCC.

**Using agency.** 56 Tactical Training Wing, MacDill AFB, TX

TIMES OF USE CHANGED 1/15/09

**Avon South MOA, FL**

**Boundaries.** Beginning at lat. 27°32'41"N., long. 81°16'49"W.; to lat. 27°32'41"N., long. 81°12'19"W.; to lat. 27°35'01"N., long. 81°08'59"W.; to lat. 27°32'31"N., long. 81°07'29"W.; to lat. 27°21'01"N., long. 80°59'59"W.; to lat. 27°15'01"N., long. 81°04'59"W.; to lat. 27°29'01"N., long. 81°13'29"W.; to the point of beginning.

**Altitudes.** 5,000 feet MSL to but not including FL 180.

**Times of use.** Intermittent, sunrise-sunset, Monday-Friday; other times by NOTAM.

**Controlling agency.** FAA, Miami ARTCC

**Using agency.** 56 Tactical Training Wing, MacDill AFB, TX

TIMES OF USE CHANGED 1/15/09

**Bagdad 1 MOA, AZ**

**Boundaries.** Beginning at lat. 34°40'00"N., long. 114°00'03"W.; to lat. 34°39'25"N., long. 113°04'18"W.; to lat. 34°28'35"N., long. 112°53'43"W.; to lat. 34°10'00"N., long. 114°00'03"W.; to the point of beginning.

**Altitudes.** 7,000 feet MSL, or 5,000 feet AGL, whichever is higher, to but not including FL 180.

**Times of use.** 0600-1900 Monday-Friday; other times by NOTAM.

**Controlling agency.** FAA, Albuquerque ARTCC

**Using agency.** U.S. Air Force, 56th Fighter Wing, Luke AFB, AZ

USING AGENCY CHANGED 3/20/03

**Bakersfield MOA, CA**

**Boundaries.** Beginning at lat. 35°40'00"N., long. 118°51'03"W.; to lat. 35°40'00"N., long. 118°35'03"W.; to lat. 35°15'00"N., long. 118°35'03"W.; to lat. 34°56'00"N., long. 118°21'03"W.; to lat. 35°14'00"N., long. 118°42'03"W.; to the point of beginning.

**Altitudes.** 2,000 feet AGL to but not including FL 180.

**Times of use.** Intermittent by NOTAM.

**Controlling agency.** FAA, Los Angeles ARTCC

**Using agency.** R-2508 Complex Control Board.

TIME OF USE CHANGED 1/18/07

### **Barstow MOA, CA**

**Boundaries.** Beginning at lat. 35°07'00"N., long. 116°34'03"W.; to lat. 35°01'20"N., long. 116°41'03"W.; to lat. 34°56'20"N., long. 117°09'03"W.; thence along the eastern border of R-2515 and the southern boundary of R-2502E to the point of beginning.

**Altitudes.** 200 feet AGL to but not including FL 180.

**Times of use.** 0600-2200 Monday-Friday; other times by NOTAM.

**Controlling agency.** FAA, Hi-Desert TRACON, Edwards, CA.

**Using agency.** R-2508 Complex Control Board.

CONTROLLING AGENCY CHANGED 5/27/93

### **Basinger MOA, FL**

**Boundaries.** Beginning at lat. 27°32'31"N., long. 81°07'29"W.; to lat. 27°34'01"N., long. 81°04'29"W.; to lat. 27°23'16"N., long. 80°56'59"W.; to lat. 27°21'01"N., long. 80°59'59"W.; to the point of beginning.

**Altitudes.** 500 feet AGL to 5,000 feet MSL, inclusive.

**Times of use.** Intermittent, sunrise-sunset, Monday-Friday; Saturday and Sunday by NOTAM.

**Controlling agency.** FAA, Miami ARTCC, FL

**Using agency.** 56 Tactical Training Wing, MacDill AFB, TX

TIMES OF USE CHANGED 1/15/09

### **Beak A MOA, NM**

**Boundaries.** Beginning at lat. 34°05'00"N., long. 105°44'02"W.; to lat. 34°05'00"N., long. 105°36'02"W.; to lat. 33°34'00"N., long. 105°00'02"W.; to lat. 33°27'00"N., long. 105°00'02"W.; to lat. 33°40'00"N., long. 105°44'02"W.; to the point of beginning.

**Altitudes.** 12,500 feet MSL up to but not including FL 180.

**Times of use.** 0600-1800 Monday-Friday. During periods of severe weather on Monday-Friday, it may be necessary to reschedule the Beak MOA's on Saturday and Sunday by NOTAM.

**Controlling agency.** FAA, Albuquerque ARTCC

**Using agency.** 49th Fighter Wing, Holloman AFB, NM.

USING AGENCYCHANGED 07/16/2008

**Beak B MOA, NM**

**Boundaries.** Beginning at lat. 33°40'00"N., long. 105°44'02"W.; to lat. 33°27'00"N., long. 105°00'02"W.; to lat. 33°18'00"N., long. 105°00'02"W.; to lat. 33°16'00"N., long. 105°44'02"W.; to the point of beginning.

**Altitudes.** 12,500 feet MSL to but not including FL 180.

**Times of use.** 0600-1800 Monday-Friday. During periods of severe weather on Monday-Friday, it may be necessary to reschedule the Beak MOA's on Saturday and Sunday by NOTAM.

**Controlling agency.** FAA, Albuquerque ARTCC

**Using agency.** 49th Fighter Wing, Holloman AFB, NM.

USING AGENCY CHANGED 07/16/2008

**Beak C MOA, NM**

**Boundaries.** Beginning at lat. 33°16'00"N., long. 105°44'02"W., to lat. 33°18'00"N., long. 105°00'02"W.; to lat. 33°10'00"N., long. 105°00'02"W.; to lat. 32°57'00"N., long. 105°19'32"W.; to lat. 32°56'30"N., long. 105°44'02"W.; to the point of beginning.

**Altitudes.** 12,500 feet MSL up to but not including FL 180.

**Times of use.** 0600-1800 Monday-Friday. During periods of severe weather on Monday-Friday, it may be necessary to reschedule the Beak MOA's on Saturday and Sunday by NOTAM.

**Controlling agency.** FAA, Albuquerque ARTCC

**Using agency.** 49th Fighter Wing, Holloman AFB, NM.

USING AGENCY CHANGED 07/16/2008

**Beaufort 1 MOA, SC**

**Boundaries.** Beginning at lat. 32°34'01"N., long. 80°21'29"W.; to lat. 32°30'46"N., long. 80°14'59"W.; to lat. 32°30'16"N., long. 80°07'59"W.; thence southwest along the western boundary of Warning Areas W-133/W-134 to lat. 32°29'41"N., long. 80°10'39"W.; thence southwest 3 NM from and parallel to the U. S. coast to lat. 32°10'56"N., long. 80°37'39"W.; to lat. 32°16'01"N., long. 80°47'39"W.; to the point of beginning.

**Altitudes.** 100 feet AGL to 10,000 feet MSL excluding airspace 3,000 feet MSL and below in the following area Beginning at lat. 32°10'56"N., long. 80°37'39"W.; to lat. 32°16'01"N., long. 80°47'39"W.; to lat. 32°20'30"N., long. 80°41'10"W.; thence clockwise via a 7.5 NM arc centered at lat. 32°13'01"N., long. 80°41'59"W.; to lat. 32°13'21"N., long. 80°33'09"W.; thence southwest 3 NM from and parallel to the U. S. coast to the point of beginning.

**Times of use.** Intermittent, 4 daylight hours per day, 2 days per month by NOTAM. (Contact nearest Flight Service Station).

**Controlling agency.** FAA, Jacksonville ARTCC.

**Using agency.** Marine Corps Air Station, Beaufort, SC.

**Beaufort 2 MOA, SC**

**Boundaries.** Beginning at lat. 32°34'01"N., long. 80°21'29"W.; to lat. 32°16'01"N., long. 80°47'39"W.; to lat. 32°19'51"N., long. 80°55'29"W.; to lat. 32°43'41"N., long. 80°42'49"W.; to lat. 32°45'31"N., long. 80°30'59"W.; to lat. 32°44'01"N., long. 80°30'29"W.; to lat. 32°37'01"N., long. 80°26'59"W.; to the point of beginning.

**Altitudes.** 100 feet AGL to 7,000 feet MSL excluding airspace 3,000 feet MSL and below in the following area Beginning at lat. 32°20'30"N., long. 80°41'10"W.; to lat. 32°16'01"N., long. 80°47'39"W.; to lat. 32°16'57"N., long. 80°49'31"W.; thence clockwise via a 7.5 NM arc centered at lat. 32°13'01"N., long. 80°41'59"W.; to the point of beginning.

**Times of use.** Intermittent, 4 daylight hours per day, 2 days per month by NOTAM. (Contact nearest Flight Service Station).

**Controlling agency.** FAA, Jacksonville ARTCC

**Using agency.** Marine Corps Air Station, Beaufort, SC.

**Beaufort 3 MOA, SC**

**Boundaries.** Beginning at lat. 32°45'31"N., long. 80°30'59"W.; to lat. 32°43'41"N., long. 80°42'49"W.; to lat. 32°19'51"N., long. 80°55'29"W.; to lat. 32°20'31"N., long. 80°55'59"W.; to lat. 32°30'01"N., long. 81°01'29"W.; to lat. 32°35'51"N., long. 81°01'29"W.; to lat. 32°36'46"N., long. 80°59'59"W.; to lat. 32°47'16"N., long. 80°53'59"W.; to lat. 32°48'31"N., long. 80°43'59"W.; to lat. 32°47'11"N., long. 80°31'24"W.; to the point of beginning.

**Altitudes.** 100 feet AGL to 2,000 feet MSL.

**Times of use.** Intermittent, 4 daylight hours per day, 2 days per month by NOTAM. (Contact nearest Flight Service Station).

**Controlling agency.** FAA, Jacksonville ARTCC

**Using agency.** Marine Corps Air Station, Beaufort, SC.

**Beaver MOA, MN**

**Boundaries.** Beginning at lat. 47°30'00"N., long. 93°36'00"W.; to lat. 48°16'18"N., long. 93°32'30"W.; to lat. 48°32'00"N., long. 94°00'00"W.; to lat. 48°32'00"N., long. 94°33'00"W.; to lat. 48°06'12"N., long. 94°43'00"W.; to lat. 47°53'00"N., long. 94°43'00"W.; to lat. 47°30'00"N., long. 94°23'00"W.; to the point of beginning.

**Altitudes.** 300 feet AGL up to but not including 18,000 feet MSL, and excluding the airspace below 1,500 AGL within 3 nautical miles of the following public use airports: Big Falls, Bigfork, Bowstring, Northhome, and Waskish.

**Time of designation.** 0700-2200, by NOTAM.

**Controlling Agency.** Minneapolis ARTCC.

**Using Agency.** USAF, 148th Fighter Group, Duluth International Airport, MN.

REVISED 7/20/95

**Benning MOA, GA**

**Boundaries.** Beginning at lat. 32°33'01"N., long. 84°39'25"W.; to lat. 32°33'01"N., long. 84°30'00"W.; to lat. 32°22'01"N., long. 84°30'00"W.; to lat. 32°17'01"N., long. 84°39'25"W.; to the point of beginning.

**Altitudes.** 500 feet AGL to and including 8,000 feet MSL.

**Times of use.** 0700-2000, normally Monday-Friday; occasionally on Saturday and Sunday by NOTAM.

**Controlling agency.** FAA, Air Traffic Control Tower, Columbus, GA.

**Using agency.** U. S. Army, Fort Benning, GA.

**Big Bear MOA, MI**

**Boundaries.** Beginning at lat. 46°37'00"N., long. 89°40'01"W.; to lat. 46°56'30"N., long. 88°51'00"W.; to lat. 46°52'00"N., long. 88°32'00"W.; to lat. 46°05'00"N., long. 88°18'00"W.; to lat. 46°05'00"N., long. 88°38'00"W.; to lat. 46°21'00"N., long. 89°22'01"W.; to the point of beginning, excluding the airspace at and below 1,500 feet AGL within a 3 NM radius of the Stambaugh Airport located at lat. 46°04'30"N., long. 88°37'45"W.

**Altitudes.** 500 feet AGL to but not including FL 180.

**Times of use.** 0800-1800 daily; other times by NOTAM.

**Controlling agency.** FAA, Minneapolis ARTCC

**Using agency.** U.S. Air Force, Northeast Air Defense Sector/DOOS, Griffiss AFB, NY

BOUNDARIES, ALTITUDES, TIMES OF USE AND USING AGENCY CHANGED  
11/14/91

**Birch MOA, AK**

**Boundaries.** Beginning at lat. 64°31'17"N, long. 146°09'31"W; to lat. 64°24'55"N, long. 145°42'07"W; to lat. 64°12'51"N, long. 146°03'31"W; to lat. 64°05'30"N, long. 146°16'31"W; to lat. 64°14'44"N, long. 146°43'23"W; to lat. 64°17'43"N, long. 147°03'29"W; to the point of beginning, excluding that airspace 500 feet AGL to 3,000 feet MSL from 1/2 NM north of the Alaska Highway to the south side of the Tanana River.

**Altitudes.** 500 feet AGL to 5,000 feet MSL.

**Times of use.** 0800-1800, Monday-Friday; by NOTAM for other times between 0700-2200, Monday-Friday; pending Special Use Airspace Information Service availability.

**Controlling agency.** FAA, Anchorage ARTCC.

**Using agency.** U.S. Air Force 354th Fighter Wing, Eielson AFB, AK.

**NOTE:** SUAIS including VHF transmitter/receiver, radar, recording, and telephone capability must be operational during activation. Any operation during reduced capability must be approved in advance by the Alaskan FAA Air Traffic Division.

TIMES OF USE CHANGED 1/15/09



**Birmingham MOA, AL**

**Boundaries.** Beginning at lat. 33°00'00"N., long. 87°25'20"W.; to lat. 33°00'00"N., long. 87°05'40"W.; to lat. 32°58'25"N., long. 87°01'20"W.; to lat. 32°26'35"N., long. 87°02'25"W.; to lat. 32°29'50"N., long. 87°53'20"W.; to lat. 32°35'30"N., long. 87°59'30"W.; to the point of beginning.

**Altitudes.** 10,000 feet MSL to but not including FL 180.

**Times of use.** 0700-2200 daily; other times by NOTAM. Contact nearest Flight Service Station.

**Controlling agency.** FAA, Atlanta ARTCC

**Using agency.** Air National Guard, 187 Fighter Wing, Montgomery, AL.

USING AGENCY CHANGED 7/15/99

**Birmingham 2 MOA, AL**

**Boundaries.** Beginning at lat. 33°00'00"N., long. 87°25'20"W.; to lat. 33°00'00"N., long. 87°05'40"W.; to lat. 32°58'25"N., long. 87°01'20"W.; to lat. 32°26'35"N., long. 87°02'25"W.; to lat. 32°29'10"N., long. 87°42'00"W.; to lat. 32°32'30"N., long. 87°50'00"W.; to lat. 32°35'30"N., long. 87°59'30"W.; to the point of beginning.

**Altitudes.** 500 feet AGL to but not including 10,000 feet MSL; excluding the following airspace: (1) lat. 33°00'00"N., long. 87°09'10"W.; to lat. 33°00'00"N., long. 87°05'40"W.; to lat. 32°58'25"N., long. 87°01'20"W.; to lat. 32°52'50"N., long. 87°01'31"W.; to lat. 32°52'50"N., long. 87°09'10"W.; to the point of beginning. From surface to but not including 5,000 feet MSL. (2) lat. 32°38'30"N., long. 87°20'10"W.; to lat. 32°32'30"N., long. 87°02'15"W.; to lat. 32°26'35"N., long. 87°02'25"W.; to lat. 32°28'04"N., long. 87°24'47"W.; to the point of beginning. From surface to but not including 4,000 feet MSL. (3) lat. 32°55'31"N., long. 87°31'38"W.; to lat. 32°37'15"N., long. 87°35'40"W.; to lat. 32°38'40"N., long. 87°45'00"W.; to lat. 32°47'11"N., long. 87°43'16"W.; to the point of beginning. From surface to but not including 4,000 feet MSL.

**Times of use.** 0700-2200, daily.

**Controlling agency.** FAA, Atlanta ARTCC

**Using agency.** Air National Guard, 187 Fighter Wing, Montgomery, AL.

TIMES OF USE CHANGED 1/15/09

**Bishop MOA, CA**

**Boundaries.** Beginning at lat. 37°12'00"N., long. 118°26'03"W.; to lat. 37°12'00"N., long. 118°00'03"W.; to lat. 37°09'00"N., long. 118°00'03"W.; to lat. 37°02'00"N., long. 118°20'03"W.; to the point of beginning.

**Altitudes.** 200 feet AGL to but not including FL 180.

**Times of use.** 0600-2200 Monday-Friday; other times by NOTAM.

**Controlling agency.** FAA, Los Angeles ARTCC

**Using agency.** R-2508 Complex Control Board.

NAME AND USING AGENCY CHANGED 4/30/92

**Bison MOA, KS**

**Boundaries.** Beginning at lat. 38°33'30"N., long. 99°09'01"W.; to lat. 38°47'30"N., long. 98°49'31"W.; to lat. 38°48'22"N., long. 98°14'30"W.; to lat. 38°24'13"N., long. 98°14'30"W.; to lat. 38°23'15"N., long. 98°18'01"W.; to lat. 38°16'00"N., long. 98°25'01"W.; to the point of beginning.

**Altitudes.** 1,000 feet AGL to but not including FL 180. The airspace 1,500 AGL and below within a 3 NM radius of the Ellsworth Municipal Airport, KS is excluded from the MOA.

**Times of use.** 0830-1130 and 1330-1600, Monday-Friday; 0830-1130 and 1330-1600, one weekend per month, by NOTAM; other times by NOTAM.

**Controlling agency.** FAA, Kansas City ARTCC

**Using agency.** Air National Guard, 184<sup>th</sup> Air Refueling Wing, Detachment 1, Smoky Hill ANG Range, Salina, KS.

TIMES OF USE CHANGED 1/15/09

**Boardman MOA, OR**

**Boundaries.** Beginning at lat. 45°52'59"N., long. 119°31'04"W.; to lat. 45°46'49"N., long. 119°31'04"W.; to lat. 45°47'44"N., long. 119°23'29"W.; to lat. 45°46'59"N., long. 119°22'29"W.; to lat. 45°45'09"N., long. 119°22'34"W.; to lat. 45°43'29"N., long. 119°23'54"W.; to lat. 45°42'14"N., long. 119°25'04"W.; to lat. 45°39'59"N., long. 119°27'14"W.; to lat. 45°36'09"N., long. 119°45'44"W.; to lat. 45°38'59"N., long. 120°09'04"W.; to lat. 45°45'29"N., long. 120°09'04"W.; proceed along the south shore of the Columbia River to lat. 45°50'49"N., long. 119°48'44"W.; to lat. 45°50'49"N., long. 119°45'04"W.; to lat. 45°50'19"N., long. 119°45'04"W.; to lat. 45°50'19"N., long. 119°42'34"W.; to lat. 45°50'59"N., long. 119°42'34"W.; thence along the south shore of the Columbia River to lat. 45°51'09"N., long. 119°40'04"W.; to the point of beginning, excluding that airspace within a 5 NM radius of a point located at lat. 45°43'35"N., long. 119°41'07"W.; and excluding that airspace within R-5701 and R-5706 when active.

**Altitudes.** 4,000 feet MSL to but not including FL 180.

**Times of use.** 0730-2359 Monday-Friday; other times by NOTAM 6 hours in advance.

**Controlling agency.** FAA, Seattle ARTCC

**Using agency.** U.S. Navy, Commanding Officer, NAS Whidbey Island, Oak Harbor, WA

TIMES OF USE CHANGED 10/13/94

**Brady High MOA, TX**

**Boundaries.** Beginning at lat. 31°21'14"N., long. 98°33'26"W.; to lat. 30°53'13"N., long. 98°49'21"W.; to lat. 31°08'12"N., long. 99°33'56"W.; to lat. 31°18'01"N., long. 99°37'01"W.; to lat. 31°20'31"N., long. 99°30'01"W.; thence to the point of the beginning.

**Altitudes.** 6,000 feet MSL, to but not including, FL 180.

**Times of use.** Sunrise-2200, Monday-Friday; other times by NOTAM.

**Controlling agency.** FAA, Houston ARTCC.

**Using agency.** Naval Air Station, Fort Worth, Joint Readiness Base, Carswell Field, Fort Worth, TX.

CONTROLLING AGENCY CHANGED 5/12/05

### **Brady Low MOA, TX**

**Boundaries.** Beginning at lat. 31°21'14"N., long. 98°33'26"W.; to lat. 30°53'13"N., long. 98°49'21"W.; to lat. 31°08'12"N., long. 99°33'56"W.; to lat. 31°18'01"N., long. 99°37'01"W.; to lat. 31°20'31"N., long. 99°30'01"W.; thence to the point of the beginning.

**Altitudes.** 500 feet AGL to but not including 6,000 feet MSL; excluding the following airspace: (1) Within a 3NM radius of the Curtis, TX, Airport (lat. 31°11'01"N., long. 99°19'28"W.) and within 3NM each side of the 180° true bearing of the airport to the southern boundary of the MOA. From the surface to 1,500 feet AGL. (2) Within a 3NM radius of the San Saba Co Muni, TX, Airport (lat. 31°14'07"N., long. 98°43'01"W.) and within 3NM each side of the 145° true bearing of the airport to the eastern boundary of the MOA. From the surface to 1,500 feet AGL.

**Times of use.** Intermittent by NOTAM.

**Controlling agency.** FAA, Houston ARTCC.

**Using agency.** Naval Air Station, Fort Worth, Joint Readiness Base, Carswell Field, Fort Worth, TX.

CONTROLLING AGENCY CHANGED 5/12/05

### **Brady North MOA, TX**

**Boundaries.** Beginning at lat. 31°23'00"N., long. 99°45'00"W.; to lat. 31°23'10"N., long. 99°23'00"W.; to lat. 31°23'20"N., long. 98°53'35"W.; to lat. 31°23'30"N., long. 98°33'00"W.; to lat. 31°21'14"N., long. 98°33'26"W.; to lat. 31°20'31"N., long. 99°30'01"W.; to lat. 31°18'01"N., long. 99°37'01"W.; thence to the point of the beginning.

**Altitudes.** 3,600 feet MSL, up to, but not including, FL 180.

**Times of use.** Sunrise-2200, Sunday-Friday; other times by NOTAM.

**Controlling agency.** FAA, Houston ARTCC.

**Using agency.** Naval Air Station, Fort Worth, Joint Readiness Base, Carswell Field, Fort Worth, TX.

CONTROLLING AGENCY CHANGED 5/12/05

### **Bristol MOA, CA**

**Boundaries.** Beginning at lat. 34°43'00"N., long. 116°17'03"W.; to lat. 34°42'50"N., long. 115°26'33"W.; to lat. 34°22'00"N., long. 115°35'23"W.; to lat. 34°17'00"N., long. 115°41'13"W.; to lat. 34°17'00"N., long. 115°44'03"W.; to lat. 34°25'00"N., long. 115°44'03"W.; to lat. 34°25'00"N., long. 115°47'03"W.; to lat. 34°33'00"N., long.

115°47'03"W.; to lat. 34°34'40"N., long. 115°54'58"W.; to lat. 34°35'30"N., long. 115°58'03"W.; to lat. 34°41'00"N., long. 116°03'03"W.; to lat. 34°41'15"N., long. 116°04'33"W.; to the point of beginning.

**Altitudes.** 5,000 feet MSL to but not including FL 180.

**Times of use.** 0700-1500 Monday-Friday; other times by NOTAM.

**Controlling agency.** FAA, Los Angeles ARTCC

**Using agency.** Marine Corps Air Ground Combat Center, Twentynine Palms, CA

### **Bronco 1 MOA, TX**

**Boundaries.** Beginning at lat. 34°17'51"N., long. 102°48'21"W.; to lat. 34°03'56"N., long. 102°28'52"W.; to lat. 33°52'31"N., long. 102°34'59"W.; to lat. 33°46'02"N., long. 102°36'59"W.; to lat. 33°42'29"N., long. 102°37'24"W.; to lat. 33°35'35"N., long. 103°30'45"W.; to lat. 33°49'06"N., long. 103°18'16"W.; to the point of beginning.

**Altitudes.** 8,000 feet MSL to, but not including, FL 180.

**Times of use.** 0700-2000, Monday-Friday, other times by NOTAM.

**Controlling agency.** FAA, Fort Worth ARTCC.

**Using Agency.** U.S. Air Force, 27th Special Operations Wing, Cannon AFB, NM.

USING AGENCY CHANGED 1/15/09

### **Bronco 2 MOA, TX**

**Boundaries.** Beginning at lat. 33°35'35"N., long. 103°30'45"W.; to lat. 33°42'29"N., long. 102°37'24"W.; to lat. 33°30'28"N., long. 102°36'33"W.; to lat. 33°21'42"N., long. 103°43'00"W.; to the point of beginning.

**Altitudes.** 10,000 feet MSL to, but not including, FL 180.

**Times of use.** By NOTAM.

**Controlling agency.** FAA, Fort Worth ARTCC.

**Using Agency.** U.S. Air Force, 27th Special Operations Wing, Cannon AFB, NM.

USING AGENCY CHANGED 1/15/09

### **Bronco 3 MOA, TX**

**Boundaries.** Beginning at lat. 33°21'42"N., long. 103°43'00"W.; to lat. 33°30'28"N., long. 102°36'33"W.; to lat. 33°23'24"N., long. 102°33'26"W.; to lat. 33°16'23"N., long. 102°28'27"W.; to lat. 32°47'17"N., long. 103°21'32"W.; to lat. 33°00'14"N., long. 103°47'52"W.; to lat. 33°15'38"N., long. 103°48'05"W.; to the point of beginning.

**Altitudes.** 10,000 feet MSL to, but not including, FL 180.

**Times of use.** 0700-2000, Monday-Friday, other times by NOTAM.

**Controlling agency.** FAA, Fort Worth ARTCC.

**Using Agency.** U.S. Air Force, 27th Special Operations Wing, Cannon AFB, NM.

USING AGENCY CHANGED 1/15/09

**Bronco 4 MOA, TX**

**Boundaries.** Beginning at lat. 32°47'17"N., long. 103°21'32"W.; to lat. 33°16'23"N., long. 102°28'27"W.; to lat. 33°09'30"N., long. 102°20'13"W.; to lat. 33°05'41"N., long. 102°13'16"W.; to lat. 33°04'03"N., long. 102°08'49"W.; to lat. 32°30'34"N., long. 102°13'42"W.; to lat. 32°28'21"N., long. 102°43'35"W.; to the point of beginning.

**Altitudes.** 10,000 feet MSL to, but not including, FL 180.

**Times of use.** 0700-2000, Monday-Friday, other times by NOTAM.

**Controlling agency.** FAA, Fort Worth ARTCC.

**Using Agency.** U.S. Air Force, 27th Special Operations Wing, Cannon AFB, NM.

USING AGENCY CHANGED 1/15/09

**Brownwood 1 East MOA, TX**

**Boundaries.** Beginning at lat. 32°06'17"N., long. 98°53'35"W.; to lat. 32°04'45"N., long. 98°16'45"W.; to lat. 31°44'36"N., long. 98°25'00"W.; to lat. 31°45'42"N., long. 98°53'35"W.; to the point of beginning

**Altitudes.** 7,000 feet MSL to but not including FL 180.

**Times of use.** 0700-2200 daily; other times by NOTAM.

**Controlling agency.** FAA, Fort Worth ARTCC

**Using agency.** U. S. Navy, Commanding Officer, Naval Air Station , Joint Reserve Base, Fort Worth, TX.

USING AGENCY CHANGED 07/24/2008

**Brownwood 1 West MOA, TX**

**Boundaries.** Beginning at lat. 32°07'30"N., long. 99°26'00"W.; to lat. 32°06'17"N., long. 98°53'35"W.; to lat. 31°45'42"N., long. 98°53'35"W.; to lat. 31°46'48"N., long. 99°24'36"W.; to the point of beginning.

**Altitudes.** 7,000 feet MSL to but not including FL 180.

**Times of use.** 0700-2200 daily; other times by NOTAM.

**Controlling agency.** FAA, Fort Worth ARTCC

**Using agency.** U. S. Navy, Commanding Officer, Naval Air Station , Joint Reserve Base, Fort Worth, TX.

USING AGENCY CHANGED 07/24/2008

**Brownwood 2 East MOA, TX**

**Boundaries.** Beginning at lat. 31°45'42"N., long. 98°53'35"W.; to lat. 31°44'36"N., long. 98°25'00"W.; to lat. 31°23'30"N., long. 98°33'00"W.; to lat. 31°23'20"N., long. 98°53'35"W.; to the point of beginning.

**Altitudes.** 7,000 feet MSL to but not including FL 180.

**Times of use.** 0700-2200 daily; other times by NOTAM.

**Controlling agency.** FAA, Fort Worth ARTCC

**Using agency.** U. S. Navy, Commanding Officer, Naval Air Station , Joint Reserve Base, Fort Worth, TX.

USING AGENCY CHANGED 07/24/2008

### **Brownwood 2 West MOA, TX**

**Boundaries.** Beginning at lat. 31°46'48"N., long. 99°24'36"W.; to lat. 31°45'42"N., long. 98°53'35"W.; to lat. 31°23'20"N., long. 98°53'35"W.; to lat. 31°23'10"N., long. 99°23'00"W.; to the point of beginning.

**Altitudes.** 7,000 feet MSL to but not including FL 180.

**Times of use.** 0700-2200 daily; other times by NOTAM.

**Controlling agency.** FAA, Fort Worth ARTCC

**Using agency.** U. S. Navy, Commanding Officer, Naval Air Station , Joint Reserve Base, Fort Worth, TX.

USING AGENCY CHANGED 07/24/2008

### **Brownwood 3 MOA, TX**

**Boundaries.** Beginning at lat. 31°53'45"N., long. 99°46'45"W.; to lat. 32°07'30"N., long. 99°26'00"W.; to lat. 31°23'10"N., long. 99°23'00"W.; to lat. 31°23'00"N., long. 99°45'00"W.; to the point of beginning.

**Altitudes.** 13,000 feet MSL to but not including FL 180.

**Times of use.** 0700-2200 daily; other times by NOTAM.

**Controlling agency.** FAA, Fort Worth ARTCC

**Using agency.** U. S. Navy, Commanding Officer, Naval Air Station , Joint Reserve Base, Fort Worth, TX.

USING AGENCY CHANGED 07/24/2008

### **Brownwood 4 MOA, TX**

**Boundaries.** Beginning at lat. 31°45'00"N., long. 100°00'00"W.; to lat. 31°53'45"N., long. 99°46'45"W.; to lat. 31°23'00"N., long. 99°45'00"W.; to lat. 31°23'00"N., long. 100°00'00"W.; to the point of beginning.

**Altitudes.** 13,000 feet MSL to but not including FL 180.

**Times of use.** 0700-2200 daily; other times by NOTAM.

**Controlling agency.** FAA, Fort Worth ARTCC

**Using agency.** U. S. Navy, Commanding Officer, Naval Air Station , Joint Reserve Base, Fort Worth, TX.

USING AGENCY CHANGED 07/24/2008

**Brush Creek MOA, OH**

**Boundaries.** Beginning at lat. 38°53'52"N., long. 83°35'24"W.; to lat. 39°09'30"N., long. 83°22'30"W.; to lat. 39°13'00"N., long. 83°22'30"W.; to lat. 39°26'00"N., long. 83°31'00"W.; to lat. 39°30'00"N., long. 83°25'00"W.; to lat. 39°30'00"N., long. 83°13'00"W.; to lat. 39°27'00"N., long. 83°12'00"W.; to lat. 39°23'00"N., long. 83°08'30"W.; to lat. 39°18'00"N., long. 83°02'00"W.; to lat. 38°48'30"N., long. 83°02'00"W.; to the point of beginning.

**Altitudes.** 100 feet AGL up to, but not including 5,000 feet MSL.

**Times of use.** 0800-2200 Monday-Saturday.

**Controlling agency.** FAA, Indianapolis ARTCC.

**Using agency.** 121 Tactical Fighter Wing, Rickenbacker AFB, OH.

ALTITUDES CHANGED 4/18/02

**Buckeye MOA, OH**

**Boundaries.** Beginning at lat. 38°55'07"N., long. 83°54'42"W.; to lat. 39°10'45"N., long. 83°53'00"W.; to lat. 39°25'00"N., long. 83°28'00"W.; to lat. 39°27'09"N., long. 83°17'00"W.; to lat. 39°24'20"N., long. 82°49'30"W.; to lat. 39°18'00"N., long. 82°44'15"W.; to lat. 38°58'45"N., long. 82°50'00"W.; to lat. 38°47'00"N., long. 82°58'45"W.; to lat. 38°46'20"N., long. 83°14'20"W.; to lat. 38°52'15"N., long. 83°34'00"W.; to lat. 38°54'04"N., long. 83°49'47"W.; to the point of beginning.

**Altitudes.** 5,000 feet MSL up to, but not including FL 180.

**Times of use.** 0800-2200 local, Monday-Friday; 0800-1600 local, Saturday-Sunday; and other times by NOTAM.

**Controlling agency.** FAA, Indianapolis ARTCC.

**Using agency.** 178<sup>th</sup> Fighter Group, Springfield-Beckley ANGB, OH.

TIMES OF USE CHANGED 1/23/03

**Buckhorn MOA, CA**

**Boundaries.** Beginning at lat. 34°49'40"N., long. 118°05'48"W.; thence along southern boundary of R-2515 to lat. 34°51'17"N., long. 117°26'03"W.; to lat. 34°49'30"N., long. 117°26'03"W.; to lat. 34°46'30"N., long. 117°35'03"W.; to lat. 34°46'00"N., long. 118°00'03"W.; to lat. 34°48'00"N., long. 118°05'48"W.; to the point of beginning.

**Altitudes.** 200 feet AGL to but not including FL 180.

**Times of use.** 0600-2200 Monday-Friday; other times by NOTAM.

**Controlling agency.** FAA, Los Angeles ARTCC

**Using agency.** R-2508 Complex Control Board.

NAME AND USING AGENCY  
CHANGED 4/30/92

**Buffalo MOA, AK**

**Boundaries.** Beginning at lat. 64°12'28"N, long. 144°50'13"W; to lat. 63°59'59"N, long. 144°00'08"W; to lat. 63°59'59"N, long. 143°00'00"W; to lat. 63°37'00"N, long. 144°13'00"W; to lat. 63°37'00"N, long. 145°33'00"W; to lat. 63°30'00"N, long. 145°54'00"W; to lat. 63°43'59"N, long. 146°30'08"W; to lat. 63°42'14"N, long. 146°13'34"W; to lat. 63°42'59"N, long. 145°54'09"W; to lat. 63°50'29"N, long. 145°50'08"W; to lat. 63°54'06"N, long. 145°50'27"W; thence via a 7 NM arc counterclockwise of the Big Delta VORTAC; to lat. 63°56'00"N, long. 145°30'28"W; to lat. 64°04'12"N, long. 145°05'16"W; to the point of beginning, excluding: (1) that airspace below 3,000 feet MSL from 2 NM north of the Alaska Highway to 2 NM south of the Alaska Highway, (2) that airspace below 3,500 feet MSL from 2 NM east of the Richardson Highway to 1/2 NM west of the Richardson Highway or the Alaska Pipeline whichever is further west, north of a line established between lat. 63°41'14"N, long. 145°54'48"W; and lat. 63°42'01"N, long. 145°48'52"W, (3) that airspace below 3,500 feet MSL from 1/2 NM east of the Richardson Highway to the west side of the Delta River south of a line established between lat. 63°41'14"N, long. 145°54'48"W; and lat. 63°42'01"N, long. 145°48'52"W, (4) at or below 1,500 feet AGL within a 3-NM radius of the Black Rapids Airport (centered at lat. 63°32'06"N, long. 145°51'39"W).

**Altitudes.** 300 feet AGL to but not including 7,000 feet MSL.

**Times of use.** 0800-1800, Monday-Friday; by NOTAM for other times between 0700-2200, Monday-Friday; pending Special Use Airspace Information Service availability.

**Controlling agency.** FAA, Anchorage ARTCC.

**Using agency.** U.S. Air Force 354th Fighter Wing, Eielson AFB, AK.

**NOTE:** SUAIS including VHF transmitter/receiver, radar, recording, and telephone capability must be operational during activation. Any operation during reduced capability must be approved in advance by the Alaska FAA Air Traffic Division.

TIMES OF USE CHANGED 1/15/09

**Bulldog A MOA, GA**

**Boundaries.** Beginning at lat. 33°01'01"N., long. 82°52'30"W.; to lat. 33°14'01"N., long. 82°29'59"W.; to lat. 33°12'01"N., long. 82°22'59"W.; to lat. 33°13'01"N., long. 82°08'59"W.; to lat. 33°05'46"N., long. 82°04'29"W.; to lat. 32°50'01"N., long. 82°00'59"W.; to lat. 32°37'51"N., long. 82°43'59"W.; to the point of beginning.

**Altitudes.** 500 feet AGL to but not including 10,000 feet MSL, excluding those areas at and below 1,500 feet AGL, described as: (1) Beginning at lat. 33°14'01"N., long. 82°29'59"W.; to lat. 33°12'01"N., long. 82°22'59"W.; to lat. 33°12'16"N., long. 82°19'34"W.; thence via a 3-NM arc centered at lat. 33°12'26"N., long. 82°23'09"W.; to lat. 33°09'58"N., long. 82°25'12"W.; to lat. 33°13'26"N., long. 82°31'29"W.; to the point of beginning. (2) Beginning at lat. 33°01'01"N., long. 82°52'30"W.; to lat. 33°03'19"N., long. 82°48'38"W.; to lat. 32°58'01"N., long. 82°46'14"W.; to lat. 32°51'00"N., long. 82°48'49"W.; to the point of beginning. (3) A 3-NM arc centered at lat. 32°59'00"N., long. 82°23'00"W.

**Times of use.** Intermittent, 0700-2400 daily; other times by NOTAM.

**Controlling agency.** FAA, Atlanta ARTCC.

**Using agency.** U.S. Air Force, 20th Fighter Wing, Shaw AFB, SC.

TIMES OF USE CHANGED 1/23/03



**Bulldog B MOA, GA**

**Boundaries.** Beginning at lat. 33°14'01"N., long. 82°29'59"W.; to lat. 33°12'01"N., long. 82°22'59"W.; to lat. 33°13'01"N., long. 82°08'59"W.; to lat. 33°13'01"N., long. 81°58'59"W.; to lat. 32°54'01"N., long. 81°50'29"W.; to lat. 32°34'01"N., long. 81°55'59"W.; to lat. 32°33'46"N., long. 81°57'49"W.; to lat. 32°32'46"N., long. 82°03'44"W.; to lat. 32°34'31"N., long. 82°25'29"W.; to lat. 32°37'51"N., long. 82°43'59"W.; to lat. 33°01'01"N., long. 82°52'30"W.; to lat. 33°13'26"N., long. 82°31'29"W.; to the point of beginning.

**Altitudes.** 10,000 feet MSL up to but not including FL 180.

**Times of use.** Intermittent, 0700-2400 daily; other times by NOTAM.

**Controlling agency.** FAA, Atlanta ARTCC.

**Using agency.** U.S. Air Force, 20th Fighter Wing, Shaw AFB, SC

TIMES OF USE CHANGED 1/23/03

**Bulldog D MOA, GA**

**Boundaries.** Beginning at lat. 33°14'01"N., long. 82°29'59"W.; to lat. 33°21'16"N., long. 82°18'46"W.; to lat. 33°17'30"N., long. 82°22'59"W.; to lat. 33°16'21"N., long. 82°17'59"W.; to lat. 33°19'44"N., long. 82°12'14"W.; to lat. 33°21'54"N., long. 82°12'14"W.; to lat. 33°13'01"N., long. 82°08'59"W.; to lat. 33°12'01"N., long. 82°22'59"W.; to the point of beginning.

**Altitudes.** 500 feet AGL to and including 17,000 feet MSL; excluding the area described as beginning: at lat. 33°17'37"N., long. 82°24'25"W.; to lat. 33°15'54"N., long. 82°20'50"W.; thence clockwise via a 3-NM arc centered at lat. 33°13'21"N., long. 82°22'44"W.; to lat. 33°12'17"N., long. 82°19'23"W.; to lat. 33°12'01"N., long. 82°22'59"W.; to lat. 33°14'01"N., long. 82°29'59"W.; to the point of beginning, 1,500 feet AGL and below.

**Times of use.** Intermittent, 0800-1800 Monday-Friday, in conjunction with Restricted Area R-3004.

**Controlling agency.** FAA, Atlanta ARTCC.

**Using agency.** U.S. Air Force, 20th Fighter Wing, Shaw AFB, SC.

Operational terms and conditions:

1. Real-time scheduling/activation procedures will be utilized.
2. All aircraft utilizing MOA airspace must receive a clearance to enter and exit the area.
3. The integrity of present and future instrument approaches and departures to/from airports underlying/adjacent to the MOA will be maintained.

USING AGENCY CHANGED 2/2/95

**Camden Ridge MOA, AL**

**Boundaries.** Beginning at lat. 32°15'21"N., long. 88°04'15"W.; to lat. 32°11'16"N., long. 87°02'45"W.; to lat. 31°55'16"N., long. 87°03'15"W.; to lat. 31°32'21"N., long. 87°44'30"W.; to lat. 31°31'31"N., long. 88°19'30"W.; to lat. 32°03'46"N., long. 88°20'20"W.; to lat. 32°03'46"N., long. 88°04'15"W.; to the point of beginning.

**Altitudes.** 500 feet AGL to but not including 10,000 feet MSL; excluding the following airspace:(1) lat. 32°01'01"N., long. 87°38'40"W.; to lat. 32°01'31"N., long. 87°03'03"W.; to lat. 31°55'16"N., long. 87°03'15"W.; to lat. 31°32'21"N., long. 87°44'30"W.; to lat. 31°32'14"N.,

long. 87°49'40"W.; to lat. 31°44'01"N., long. 87°49'40"W.; to lat. 31°44'01"N., long. 87°38'40"W.; to the point of beginning. (2) From surface to but not including 4,000 feet MSL.

**Times of use.** Normally, 0700-2300, seven days per week. Approximately five hours per day.

**Controlling agency.** FAA, Atlanta ARTCC

**Using agency.** Air National Guard, 187 Fighter Wing, Montgomery, AL.

USING AGENCY CHANGED 7/15/99

### **Campbell 1 MOA, KY**

**Boundaries.** Beginning at lat. 36°48'00"N., long. 87°58'00"W.; to lat. 36°49'30"N., long. 87°39'30"W.; to lat. 36°39'30"N., long. 87°28'33"W.; to lat. 36°37'12"N., long. 87°28'33"W.; to lat. 36°37'12"N., long. 87°29'50"W.; to lat. 36°34'00"N., long. 87°29'50"W.; to lat. 36°26'00"N., long. 87°29'00"W.; to lat. 36°23'00"N., long. 87°39'00"W.; to lat. 36°26'30"N., long. 87°40'00"W.; to lat. 36°31'30"N., long. 87°45'30"W.; to lat. 36°29'00"N., long. 87°50'00"W.; to the point of beginning.

**Altitudes.** 500 feet AGL to and including 10,000 feet MSL.

**Times of use.** Normally, 0700-2000, Monday-Sunday.

**Controlling agency.** U.S. Army, Fort Campbell Army Radar Approach Control (ARAC).

**Using agency.** U. S. Army, Fort Campbell, KY.

CONTROLLING AGENCY CHANGED 3/20/03

### **Campbell 2 MOA, KY**

**Boundaries.** Beginning at lat. 36°48'00"N., long. 87°58'00"W.; to lat. 36°29'00"N., long. 87°50'00"W.; to lat. 36°31'30"N., long. 87°45'30"W.; to lat. 36°26'30"N., long. 87°40'00"W.; to lat. 36°23'00"N., long. 87°39'00"W.; to lat. 36°26'00"N., long. 87°29'00"W.; to lat. 36°19'00"N., long. 87°40'30"W.; to lat. 36°19'00"N., long. 87°52'00"W.; to lat. 36°28'30"N., long. 88°03'00"W.; to lat. 36°47'00"N., long. 88°04'30"W.; to the point of beginning.

**Altitudes.** 1,500 feet AGL to 10,000 feet MSL excluding the area below 2,500 feet AGL described as follows: Boundaries. Beginning at lat. 36°31'30"N., long. 87°45'30"W.; to lat. 36°26'30"N., long. 87°40'00"W.; to lat. 36°23'00"N., long. 87°39'00"W.; to lat. 36°23'35"N., long. 87°37'02"W.; to lat. 36°22'15"N., long. 87°38'30"W.; to lat. 36°29'00"N., long. 87°50'00"W.; thence to the point of beginning.

**Times of use.** Normally, 0700-2000 Monday-Sunday.

**Controlling agency.** U.S. Army, Fort Campbell Army Radar Approach Control (ARAC).

**Using agency.** U. S. Army, Fort Campbell, KY.

CONTROLLING AGENCY CHANGED 3/20/03

### **Cannon A MOA, MO**

**Boundaries.** Beginning at lat. 37°33'18"N., long. 92°08'56"W.; to lat. 37°27'20"N., long. 92°12'09"W.; to lat. 37°20'34"N., long. 92°25'04"W.; to lat. 37°23'00"N., long. 92°31'00"W.; to lat. 37°37'30"N., long. 92°31'00"W.; to lat. 37°40'30"N., long. 92°19'00"W.; to lat.

37°36'00"N., long. 92°19'30"W.; to lat. 37°36'15"N., long. 92°10'37"W.; to the point of beginning.

**Altitudes.** 300 feet AGL up to, but not including FL 180.

**Times of use.** 0900-1600 local time, Tuesday-Saturday; other times by NOTAM.

**Controlling agency.** FAA, Kansas City ARTCC.

**Using agency.** U.S. Air Force, 131 Tactical Fighter Wing/Detachment 1.

REVISED 10/3/02

### **Cannon B MOA, MO**

**Boundaries.** Beginning at lat. 37°41'30"N., long. 92°15'01"W.; to lat. 37°36'15"N., long. 92°15'22"W.; to lat. 37°36'00"N., long. 92°19'31"W.; to lat. 37°40'30"N., long. 92°19'01"W.; to the point of beginning.

**Altitudes.** 100 feet AGL to but not including FL 180.

**Times of use.** 0900-1600 Tuesday-Saturday; other times by NOTAM.

**Controlling agency.** FAA, Kansas City ARTCC.

**Using agency.** U.S. Air Force, 131 Tactical Fighter Wing/Detachment 1.

ALTITUDES CHANGED 11/9/95

### **Carson MOA, NV**

**Boundaries.** Beginning at lat. 40°06'00"N., long. 117°57'33"W.; to lat. 40°06'00"N., long. 118°15'04"W.; to lat. 39°57'00"N., long. 118°38'04"W.; to lat. 39°51'00"N., long. 118°38'04"W.; to lat. 40°01'00"N., long. 118°15'04"W.; thence to the point of beginning.

**Altitudes.** 500 feet AGL to but not including FL180.

**Times of use.** 0715-2330 daily; other times by NOTAM.

**Controlling agency.** FAA, Oakland ARTCC.

**Using Agency.** U.S. Navy, Commander, Naval Strike and Air Warfare Center, NAS, Fallon, NV.

USING AGENCY CHANGED 9/11/97

### **Carthage East MOA, NY**

**Boundaries.** Beginning at lat. 44°01'05"N., long. 75°37'14"W.; to lat. 44°06'00"N., long. 75°28'49"W.; to lat. 44°06'00"N., long. 75°03'00"W.; to lat. 43°53'00"N., long. 75°03'00"W.; to lat. 43°53'00"N., long. 75°35'00"W.; to the point of beginning.

**Altitudes.** 100 feet AGL to but not including FL 180.

**Times of use.** May 1-August 31: 0800-1700 Monday-Friday; other times by NOTAM.

September 1-April 30: 0800-2200 Monday-Friday; other times by NOTAM.

**Controlling agency.** FAA, Boston ARTCC.

**Using agency.** NY ANG, 174FW/Det 1, Fort Drum, NY.

ADDED 11/20/08

**Carthage West MOA, NY**

**Boundaries.** Beginning at lat. 43°44'00"N., long. 75°52'00"W.; to lat. 44°11'50"N., long. 75°43'53"W.; to lat. 44°09'34"N., long. 75°40'00"W.; to lat. 44°06'55"N., long. 75°42'09"W. to lat. 44°03'20"N., long. 75°40'49"W.; to lat. 44°01'05"N., long. 75°37'14"W.; to lat. 43°53'00"N., long. 75°35'00"W.; to the point of beginning.

**Altitudes.** 6,000 feet MSL to but not including FL 180.

**Times of use.** May 1-August 31: 0800-1700 Monday-Friday; other times by NOTAM.  
September 1-April 30: 0800-2200 Monday-Friday; other times by NOTAM.

**Controlling agency.** FAA, Boston ARTCC.

**Using agency.** NY ANG, 174FW/Det 1, Fort Drum, NY.

ADDED 11/20/08

**Cato MOA, NM**

**Boundaries.** Beginning at lat. 34°19'30"N., long. 108°48'00"W.; to lat. 34°17'00"N., long. 107°11'00"W.; to lat. 34°09'30"N., long. 107°11'00"W.; to lat. 33°27'58"N., long. 108°04'32"W.; to lat. 33°54'00"N., long. 108°48'00"W.; to the point of beginning.

**Altitudes.** 13,500 feet MSL to but not including FL 180.

**Times of use.** 0800-2200, Monday-Saturday, other times by NOTAM.

**Controlling agency.** FAA, Albuquerque ARTCC

**Using agency.** New Mexico Air National Guard, 150th Tactical Fighter Group (TFG), Kirtland AFB, NM.

ADDED 9/16/93

**Cheyenne High MOA, CO**

**Boundaries.** Beginning at lat. 38°53'30"N., long. 103°00'00"W.; to lat. 39°16'00"N., long. 101°45'32"W.; to lat. 38°52'00"N., long. 101°28'32"W.; to lat. 38°28'00"N., long. 102°22'00"W.; to lat. 38°45'00"N., long. 103°00'00"W.; thence to the point of beginning.

**Altitudes.** 9000 feet MSL to but not including FL 180.

**Times of use.** Sunrise to Sunset, Tuesday-Saturday, other times by NOTAM except between 2200 to 0700 local hours.

**Controlling agency.** FAA, Denver ARTCC.

**Using agency.** 140<sup>th</sup> Tactical Fighter Wing, Buckley Air National Guard Base, CO.

ADDED 12/30/99

**Cheyenne Low MOA, CO**

**Boundaries.** Beginning at lat. 38°53'30"N., long. 103°00'00"W.; to lat. 39°14'20"N., long. 101°51'14"W.; to lat. 38°48'33"N., long. 101°36'21"W.; to lat. 38°28'00"N., long. 102°22'00"W.; to lat. 38°45'00"N., long. 103°00'00"W.; thence to the point of beginning.

**Altitudes.** 300 feet AGL to but not including 9000 Feet MSL excluding that airspace 1500 AGL and below within 3 NM around the Cheyenne Wells airport.

**Times of use.** Sunrise to Sunset, Tuesday-Saturday, other times by NOTAM except between 2200 to 0700 local hours.

**Controlling agency.** FAA, Denver ARTCC.

**Using agency.** 140<sup>th</sup> Tactical Fighter Wing, Buckley Air National Guard Base, CO.

ADDED 12/30/99

### **China MOA, CA**

**Boundaries.** Beginning at lat. 39°33'53"N, long.121°25'20"W; to lat. 40°06'56"N, long.121°32'30"W; to lat. 40°07'22"N, long.121°09'53"W; to lat. 39°51'12"N, long.120°54'20"W; thence counterclockwise on the Squaw Valley VORTAC 50 NM arc to lat. 39°38'35"N, long.121°09'51"W; to the point of beginning.

**Altitude.** 3,000 AGL to but not including FL 180.

**Times of use.** 0800-sunset, daily.

**Controlling agency.** FAA, Oakland ARTCC

**Using agency.** USAF, 9<sup>th</sup> Operations Group (9<sup>th</sup> OSS/OSAA) Beale AFB, CA.

ALTITUDE AND USING AGENCY CHANGED 6/15/00

### **Chinook A MOA, WA**

**Boundaries.** A north/south corridor 2 miles wide, 1 mile either side of a line beginning at the Hood Canal Bridge, Port Gamble, WA, (lat. 47°52'14"N., long. 122°38'05"W.), extending on a bearing of 000°T to Restricted Area R-6701.

**Altitudes.** 300 feet MSL to 5,000 feet MSL.

**Times of use.** Intermittent, by NOTAM sunrise to sunset, 2 hours in advance.

**Controlling agency.** U.S. Navy, Whidbey Island Naval Air Station Approach Control.

**Using agency.** U.S. Navy, Commanding Officer, NAS Whidbey Island, Oak Harbor, WA.

TIMES OF USE CHANGED 10/30/03

### **Chinook B MOA, WA**

**Boundaries.** An east/west corridor 2 NM wide, 1 NM either side of the line beginning at lat. 48°13'59"N., long. 123°04'35"W., extending on a bearing of 110°T until reaching R-6701.

**Altitudes.** 300 feet MSL to 5,000 feet MSL.

**Times of use.** Intermittent, by NOTAM sunrise to sunset, 2 hours in advance.

**Controlling agency.** U.S. Navy, Whidbey Island Naval Air Station Approach Control.

**Using agency.** U.S. Navy, Commanding Officer, NAS Whidbey Island, Oak Harbor, WA.

TIMES OF USE CHANGED 10/30/03

**Churchill High MOA, NV**

**Boundaries.** Beginning at lat. 39°23'43"N., long. 119°02'00"W.; to lat. 39°13'15"N., long. 119°02'00"W.; to lat. 39°14'06"N., long. 118°52'56"W.; to lat. 39°18'17"N., long. 118°49'57"W.; thence clockwise via a 3NM arc centered at lat. 39°20'40"N., long. 118°52'19"W.; to lat. 39°23'37"N., long. 118°52'59"W.; to the point of beginning excluding that airspace within R-4803.

**Altitudes.** 9000 feet MSL to but not including FL 180.

**Times of use.** 0715 to 2245 Monday through Friday and 0800 to 1800 Saturday; other times by NOTAM.

**Controlling agency.** FAA, Oakland ARTCC.

**Using agency.** USN, Naval Strike and Air Warfare Center, Fallon, NV.

TIMES OF USE CHANGED 12/17/09

**Churchill Low MOA, NV**

**Boundaries.** Beginning at lat. 39°23'43"N., long. 119°02'00"W.; to lat. 39°13'15"N., long. 119°02'00"W.; to lat. 39°14'25"N., long. 118°49'25"W.; to lat. 39°20'13"N., long. 118°48'30"W.; thence clockwise via a 3NM arc centered at lat. 39°20'40"N., long. 118°52'19"W.; to lat. 39°23'37"N., long. 118°52'59"W.; to the point of beginning excluding that airspace within R-4803.

**Altitudes.** 500 feet AGL to 9,000 feet MSL.

**Times of use.** 0715 to 2245 Monday through Friday and 0800 to 1800 Saturday; other times by NOTAM.

**Controlling agency.** FAA, Oakland ARTCC.

**Using agency.** USN, Naval Strike and Air Warfare Center, Fallon, NV.

TIMES OF USE CHANGED 12/17/09

**Claiborne A MOA, LA**

**Boundaries.** Beginning at lat. 31°18'01"N., long. 92°46'31"W.; to lat. 31°13'56"N., long. 92°49'46"W.; to lat. 31°23'41"N., long. 93°05'46"W.; to lat. 31°27'31"N., long. 93°03'01"W.; to the point of beginning.

**Altitudes.** 100 feet AGL to but not including 10,000 feet MSL.

**Times of use.** 0730-2200 local time, Monday-Friday; other times by NOTAM.

**Controlling agency.** U.S. Army, Fort Polk Approach Control.

**Using agency.** U.S. Air Force Reserve Command, 917 WG, Barksdale AFB, LA.

ADDED 6/10/04

**Claiborne B MOA, LA**

**Boundaries.** Beginning at lat. 31°18'01"N., long. 92°46'31"W.; to lat. 31°13'56"N., long. 92°49'46"W.; to lat. 31°23'41"N., long. 93°05'46"W.; to lat. 31°27'31"N., long. 93°03'01"W.; to the point of beginning.

**Altitudes.** 10,000 feet MSL to but not including FL 180.

**Times of use.** 0730-2200 local time, Monday-Friday; other times by NOTAM.

**Controlling agency.** U.S. Army, Fort Polk Approach Control.

**Using agency.** U.S. Air Force Reserve Command, 917 WG, Barksdale AFB, LA.

ADDED 6/10/04

### **Coastal 1 East MOA, GA**

**Boundaries.** Beginning at lat. 31°51'01"N., long. 81°20'59"W.; to lat. 31°41'01"N., long. 81°23'30"W.; to lat. 31°37'31"N., long. 81°28'14"W.; to lat. 31°32'31"N., long. 81°27'29"W.; to lat. 31°26'16"N., long. 81°31'29"W.; to lat. 31°25'31"N., long. 81°35'59"W.; thence northwest along the Altamaha River to lat. 31°47'59"N., long. 81°59'59"W.; to lat. 31°51'01"N., long. 81°59'59"W.; to the point of beginning. Excluding R-3007 and the Wright Army Airfield (LHW) Class D airspace when activated.

**Altitudes.** 300 feet AGL to but not including FL 180.

**Times of use.** Intermittent 0700-2200 Monday-Friday; Intermittent 0700-2200 by NOTAM Saturday and Sunday. (NOTE: not to exceed 665 hours per year).

**Controlling agency.** FAA, Jacksonville ARTCC.

**Using agency.** ANG, Savannah Combat Readiness Training Center, GA.

AMENDED 2/11/10

### **Coastal 1 West MOA, GA**

**Boundaries.** Beginning at lat. 31°25'31"N., long. 81°35'59"W.; thence northwest along the Altamaha River to lat. 31°47'59"N., long. 81°59'59"W.; to lat. 31°24'01"N., long. 81°59'59"W.; to lat. 31°19'59"N., long. 81°53'16"W.; to lat. 31°19'59"N., long. 81°46'44"W.; to lat. 31°25'31"N., long. 81°35'59"W.; to the point of beginning. Excluding the airspace 1,500 feet AGL and below within a 3 NM radius of Jesup-Wayne County Airport (JES).

**Altitudes.** 300 feet AGL to but not including FL 180.

**Times of use.** Intermittent 0700-2200 Monday-Friday; Intermittent 0700-2200 by NOTAM Saturday and Sunday. (NOTE: not to exceed 665 hours per year).

**Controlling agency.** FAA, Jacksonville ARTCC.

**Using agency.** ANG, Savannah Combat Readiness Training Center, GA.

ADDED 8/03/06

### **Coastal 2 MOA, GA**

**Boundaries.** Beginning at lat. 31°41'01"N., long. 81°23'30"W.; to lat. 31°28'00"N., long. 81°26'00"W.; to lat. 31°26'16"N., long. 81°31'29"W.; to lat. 31°32'31"N., long. 81°27'29"W.; to lat. 31°37'31"N., long. 81°28'14"W.; to the point of beginning.

**Altitudes.** 300 feet AGL to but not including FL 180.

**Times of use.** Intermittent 0700-2200 Monday-Friday; Intermittent 0700-2200 by NOTAM Saturday and Sunday. (NOTE: not to exceed 665 hours per year).

**Controlling agency.** FAA, Jacksonville ARTCC.

**Using agency.** ANG, Savannah Combat Readiness Training Center, GA.

ADDED 8/03/06

#### **Coastal 4 MOA, GA**

**Boundaries.** Beginning at lat. 31°28'00"N., long. 81°26'00"W.; to lat. 31°26'16"N., long. 81°31'29"W.; to lat. 31°25'31"N., long. 81°35'59"W.; to lat. 31°19'59"N., long. 81°46'44"W.; to lat. 31°19'59"N., long. 81°53'16"W.; to lat. 31°24'01"N., long. 81°59'59"W.; to lat. 31°03'01"N., long. 81°48'59"W.; to lat. 31°03'01"N., long. 81°30'59"W.; to the point of beginning.

**Altitudes.** 14,000 feet MSL to but not including FL 180.

**Times of use.** Intermittent 0700-2200 Monday-Friday; Intermittent 0700-2200 by NOTAM Saturday and Sunday. (NOTE: not to exceed 316 hours per year).

**Controlling agency.** FAA, Jacksonville ARTCC.

**Using agency.** ANG, Savannah Combat Readiness Training Center, GA.

ADDED 8/03/06

#### **Coastal 5 MOA, GA**

**Boundaries.** Beginning at lat. 32°05'01"N., long. 81°56'59"W.; to lat. 31°51'01"N., long. 81°59'59"W.; to lat. 31°24'01"N., long. 81°59'59"W.; to lat. 31°45'01"N., long. 82°12'59"W.; to the point of beginning.

**Altitudes.** 300 feet AGL to but not including FL 180.

**Times of use.** Intermittent 0700-2200 Monday-Friday; Intermittent 0700-2200 by NOTAM Saturday and Sunday. (NOTE: not to exceed 140 hours per year).

**Controlling agency.** FAA, Jacksonville ARTCC.

**Using agency.** ANG, Savannah Combat Readiness Training Center, GA.

ADDED 8/03/06

#### **Coastal 6 MOA, GA**

**Boundaries.** Beginning at lat. 31°51'31"N., long. 81°41'44"W.; to lat. 31°51'01"N., long. 81°41'44"W.; to lat. 31°51'01"N., long. 81°59'59"W.; to lat. 32°05'01"N., long. 81°56'59"W.; to lat. 32°11'01"N., long. 81°45'59"W.; to lat. 32°10'01"N., long. 81°38'59"W.; to lat. 32°08'31"N., long. 81°36'59"W.; to lat. 32°06'31"N., long. 81°36'59"W.; to lat. 32°06'31"N., long. 81°38'59"W.; to lat. 32°07'01"N., long. 81°43'29"W.; to lat. 32°07'29"N., long. 81°47'16"W.; to lat. 32°05'25"N., long. 81°50'02"W.; to lat. 32°03'00"N., long. 81°51'25"W.; to lat. 32°02'22"N., long. 81°50'41"W.; to lat. 31°59'46"N., long. 81°51'05"W.; to lat. 31°57'01"N., long. 81°53'14"W.; to lat. 31°55'31"N., long. 81°52'59"W.; to lat. 31°55'01"N., long. 81°52'59"W. to the point of beginning.



**Altitudes.** 10,001 feet MSL to but not including FL 180.

**Times of use.** Intermittent 0700-2200 Monday-Friday; Intermittent 0700-2200 by NOTAM Saturday and Sunday. (NOTE: not to exceed 60 hours per year).

**Controlling agency.** FAA, Jacksonville ARTCC.

**Using agency.** ANG, Savannah Combat Readiness Training Center, GA.

ADDED 8/03/06

### **Coastal 7 MOA, GA**

**Boundaries.** Beginning at lat. 31°54'04"N., long. 81°28'44"W.; to lat. 31°56'16"N., long. 81°22'59"W.; to lat. 31°58'46"N., long. 81°19'44"W.; to lat. 31°51'01"N., long. 81°20'59"W.; to lat. 31°51'01"N., long. 81°41'44"W.; to lat. 31°51'31"N., long. 81°41'44"W.; to lat. 31°52'21"N., long. 81°38'09"W.; to lat. 31°53'12"N., long. 81°37'50"W.; thence northeast along state highway 144 to lat. 31°56'49"N., long. 81°30'41"W.; thence clockwise along an arc of a 5 mile radius circle centered at: lat. 31°53'21"N., long. 81°33'44"W.; to the point of beginning.

**Altitudes.** 10,001 feet MSL to but not including FL 180.

**Times of use.** Intermittent 0700-2200 Monday-Friday; Intermittent 0700-2200 by NOTAM Saturday and Sunday. (NOTE: not to exceed 60 hours per year).

**Controlling agency.** FAA, Jacksonville ARTCC.

**Using agency.** ANG, Savannah Combat Readiness Training Center, GA.

ADDED 8/03/06

### **Coastal 8 MOA, GA**

**Boundaries.** Beginning at lat. 32°05'01"N., long. 81°56'59"W.; to lat. 31°45'01"N., long. 82°12'59"W.; to lat. 32°04'01"N., long. 82°24'19"W.; to lat. 32°13'01"N., long. 82°16'29"W.; to lat. 32°11'01"N., long. 81°45'59"W.; to the point of beginning.

**Altitudes.** 11,000 feet MSL to but not including FL 180.

**Times of use.** Intermittent 0700-2200 Monday-Friday; Intermittent 0700-2200 by NOTAM Saturday and Sunday. (NOTE: not to exceed 60 hours per year).

**Controlling agency.** FAA, Jacksonville ARTCC.

**Using agency.** ANG, Savannah Combat Readiness Training Center, GA.

ADDED 8/03/06

### **Columbus 1 MOA, MS**

**Boundaries.** Beginning at lat. 34°23'00"N., long. 88°45'00"W.; to lat. 34°07'00"N., long. 88°04'00"W.; to lat. 33°54'30"N., long. 87°36'45"W.; to lat. 33°39'45"N., long. 87°42'00"W.; to lat. 33°33'45"N., long. 88°31'00"W.; to lat. 33°33'30"N., long. 89°17'30"W.; to lat. 33°55'30"N., long. 89°13'00"W.; to the point of beginning.

**Altitudes.** 8,000 feet MSL to but not including FL 180.

**Times of use.** Sunrise-sunset, normally Monday-Friday; other times by NOTAM.

**Controlling agency.** FAA, Memphis ARTCC

**Using agency.** 14th Flying Training Wing, Columbus AFB, MS.

### **Columbus 2 MOA, MS**

**Boundaries.** Beginning at lat. 34°39'00"N., long. 88°07'00"W.; to lat. 34°38'00"N., long. 87°35'00"W.; to lat. 34°10'00"N., long. 87°34'30"W.; to lat. 34°11'30"N., long. 87°48'30"W.; to lat. 34°22'30"N., long. 88°07'00"W.; to the point of beginning.

**Altitudes.** 8,000 feet MSL to but not including FL 180.

**Times of use.** Sunrise-sunset, normally Monday-Friday; other times by NOTAM.

**Controlling agency.** FAA, Memphis ARTCC

**Using agency.** 14th Flying Training Wing, Columbus AFB, MS.

### **Columbus 3 MOA, MS**

**Boundaries.** Beginning at lat. 34°35'00"N., long. 89°34'00"W.; to lat. 34°35'00"N., long. 89°19'30"W.; to lat. 34°23'00"N., long. 88°45'00"W.; to lat. 33°55'30"N., long. 89°13'00"W.; to lat. 33°33'30"N., long. 89°17'30"W.; to lat. 33°32'45"N., long. 90°09'00"W.; to lat. 34°10'00"N., long. 90°00'00"W.; to the point of beginning.

**Altitudes.** 8,000 feet MSL to but not including FL 180.

**Times of use.** Sunrise-sunset, normally Monday-Friday; other times by NOTAM.

**Controlling agency.** FAA, Memphis ARTCC

**Using agency.** 14th Flying Training Wing, Columbus AFB, MS.

### **Columbus 4 MOA, MS**

**Boundaries.** Beginning at lat. 35°13'30"N., long. 88°50'15"W.; to lat. 35°24'30"N., long. 88°11'00"W.; to lat. 35°24'30"N., long. 87°52'00"W.; to lat. 34°49'30"N., long. 87°47'30"W.; to lat. 34°55'15"N., long. 88°47'00"W.; to the point of beginning.

**Altitudes.** 10,000 feet MSL to but not including FL 180.

**Times of use.** Sunrise-sunset, normally Monday-Friday; other times by NOTAM.

**Controlling agency.** FAA, Memphis ARTCC

**Using agency.** 14th Flying Training Wing, Columbus AFB, MS.

### **Condor 1 MOA, ME**

**Boundaries.** Beginning at lat. 44°20'00"N., long. 70°51'58"W.; to lat. 44°54'00"N., long. 71°00'58"W.; to lat. 45°15'00"N., long. 71°12'28"W.; thence along the United States/Canadian border to lat. 45°19'03"N., long. 70°48'28"W.; to lat. 45°24'00"N., long. 69°47'58"W.; to lat. 44°32'50"N., long. 70°12'58"W.; to lat. 44°20'00"N., long. 70°21'58"W.; to the point of beginning.

**Altitudes.** 7,000 feet MSL to but not including FL 180.

**Times of use.** Intermittent by NOTAM.

**Controlling agency.** FAA, Boston ARTCC

**Using agency.** 24th Air Division/DOTS, Griffiss AFB, NY.

TIMES OF USE CHANGED 1/15/09

### **Condor 2 MOA, ME**

**Boundaries.** Beginning at lat. 44°32'50"N., long. 70°12'58"W.; to lat. 45°24'00"N., long. 69°47'58"W.; to lat. 45°25'00"N., long. 69°29'58"W.; to lat. 45°05'30"N., long. 69°29'58"W.; to the point of beginning.

**Altitudes.** 7,000 feet MSL to but not including FL 180.

**Times of use.** Intermittent by NOTAM.

**Controlling agency.** FAA, Boston ARTCC

**Using agency.** 24th Air Division/DOTS, Griffiss AFB, NY.

TIMES OF USE CHANGED 1/15/09

### **Core MOA, NC**

**Boundaries.** Beginning at lat. 35°04'31"N., long. 76°04'29"W.; to lat. 35°00'31"N., long. 75°00'59"W.; thence southwest 3 NM from and parallel to the shoreline, to lat. 34°40'41"N., long. 76°25'08"W.; to lat. 34°46'01"N., long. 76°29'59"W.; to lat. 34°46'46"W., long. 76°24'44"W.; to the point of beginning.

**Altitudes.** 3,000 feet MSL up to but not including FL 180.

**Time of use.** Intermittent, 0700-2300 local, Monday-Friday; other times by NOTAM

**Controlling agency.** USMC, Cherry Point Approach Control

**Using agency.** Commanding Officer, MCAS Cherry Point, NC

ADDED 03/12/09

### **Cranberry MOA, NY**

**Boundaries.** Beginning at lat. 44°35'30"N., long. 75°03'00"W.; to lat. 44°36'00"N., long. 75°00'00"W.; to lat. 44°36'00"N., long. 74°35'00"W.; to lat. 44°15'00"N., long. 74°35'00"W.; to lat. 43°53'00"N., long. 75°03'00"W.; to the point of beginning.

**Altitudes.** 500 feet AGL to but not including 6,000 MSL.

**Times of use.** November 1-April 30: 0800-2200 Monday-Friday; other times by NOTAM.  
May 1-October 31: Closed.

**Controlling agency.** FAA, Boston ARTCC.

**Using agency.** NY ANG, 174FW/Det 1, Fort Drum, NY.

ADDED 11/20/08

**Crypt Central MOA, IA**

**Boundaries.** Beginning at lat. 42°46'00"N., long. 95°54'12"W.; to lat. 42°46'00"N., long. 94°22'01"W.; to lat. 42°25'27"N., long. 94°26'37"W.; to lat. 42°20'48"N., long. 95°49'19"W.; to the point of beginning.

**Altitudes.** 8,000 feet MSL to, but not including, FL 180.

**Times of use.** 0930-1100 and 1400-1530, Tuesday-Saturday; other times by NOTAM.

**Controlling agency.** FAA, Minneapolis ARTCC.

**Using agency.** Iowa Air National Guard, 133rd Air Control Squadron (ACS), Fort Dodge, IA

ADDED 9/11/97

**Crypt North MOA, IA**

**Boundaries.** Beginning at lat. 43°20'00"N., long. 95°37'01"W.; to lat. 43°05'30"N., long. 94°17'26"W.; to lat. 42°46'00"N., long. 94°22'01"W.; to lat. 42°46'00"N., long. 95°54'12"W.; to lat. 42°50'00"N., long. 95°55'01"W.; to the point of beginning.

**Altitudes.** 8,000 feet MSL to, but not including, FL 180.

**Times of use.** 0930-1100 and 1400-1530, Tuesday-Saturday; other times by NOTAM.

**Controlling agency.** FAA, Minneapolis ARTCC.

**Using agency.** Iowa Air National Guard, 133rd Air Control Squadron (ACS), Fort Dodge, IA.

ADDED 9/11/97

**Crypt South MOA, IA**

**Boundaries.** Beginning at lat. 42°20'48"N., long. 95°49'19"W.; to lat. 42°25'27"N., long. 94°26'37"W.; to lat. 41°56'47"N., long. 94°33'23"W.; to lat. 42°03'39"N., long. 95°46'03"W.; to the point of beginning.

**Altitudes.** 8,000 feet MSL to, but not including, FL 180.

**Times of use.** 0930-1100 and 1400-1530, Tuesday-Saturday; other times by NOTAM.

**Controlling agency.** FAA, Minneapolis ARTCC.

**Using agency.** Iowa Air National Guard, 133rd Air Control Squadron (ACS), Fort Dodge, IA

ADDED 9/11/97

**Crystal MOA, TX**

**Boundaries.** The area between the 30 NM radius arc and the 70 NM radius arc of the Laredo, TX, VORTAC (lat. 27°28'44"N., long. 99°25'04"W.), extending clockwise from the 310°(M) radial to the 350°(M) radial of the Laredo VORTAC excluding Restricted Area R-6316.

**Altitudes.** 6,000 feet MSL to but not including FL 180.

**Times of use.** 0700-1800 local time daily; other times by NOTAM.

**Controlling agency.** FAA, Houston ARTCC

**Using agency.** San Antonio Air Logistics Center, Kelly AFB, TX

TIMES OF USE CHANGED 7/25/91

**Crystal North MOA, TX**

**Boundaries.** Beginning at Laredo (LRD) 359/070 NM lat. 28°38'54"N., long. 99°26'27"W.; thence counterclockwise via the 70 NM arc of the LRD VORTAC to the US/Mexico border lat. 28°20'24"N.; long. 100°18'32"W. (excluding Restricted Area R-6316); thence north via the US/Mexico border to the 60 NM arc of the Laughlin (DLF) VORTAC lat. 28°25'59"N.; long. 100°20'21"W.; thence counterclockwise via the 60 NM arc of DLF VORTAC to the DLF 117/60 NM lat. 28°54'07"N.; long. 99°45'24"W.; thence via the 117 radial of the DLF VORTAC to intersect the LRD 359° radial lat. 28°45'28"N.; long. 99°26'35"W.; to the point of beginning.

**Altitudes.** 6,000 feet MSL up to, but not including FL 180.

**Times of use.** 0800-0930 and 1300-1430 Tuesday-Friday; other times by NOTAM (up to 6 Mondays annually).

**Controlling Agency.** FAA, Houston ARTCC.

**Using Agency.** 149<sup>th</sup> Fighter Wing, Texas Air National Guard, Kelly AFB

ADDED 2/21/02

**De Soto 1 MOA, MS**

**Boundaries.** Beginning at lat. 31°12'55"N., long. 89°11'03"W.; to lat. 31°20'31"N., long. 89°04'45"W.; to lat. 31°20'31"N., long. 88°54'30"W.; to lat. 31°14'01"N., long. 88°51'00"W.; to lat. 31°04'01"N., long. 88°45'30"W.; to lat. 30°54'31"N., long. 89°08'00"W.; to lat. 31°00'01"N., long. 89°10'15"W.; to lat. 31°04'37"N., long. 89°11'03"W.; to lat. 31°04'37"N., long. 88°59'24"W.; thence northeast along Mississippi State Highway No. 15 to lat. 31°09'11"N., long. 88°56'34"W.; to lat. 31°10'16"N., long. 88°56'34"W.; to lat. 31°11'49"N., long. 89°00'00"W.; to the point of beginning; excluding that airspace below 3,000 feet AGL within the coordinates of: lat. 31°20'31"N., long. 89°02'30"W.; to lat. 31°20'31"N., long. 88°54'30"W.; to lat. 31°14'01"N., long. 88°51'00"W.; to the point of beginning.

**Altitudes.** 500 feet AGL to 10,000 feet MSL.

**Times of use.** 0830-1730 Monday-Friday, other times by NOTAM.

**Controlling agency.** FAA, Houston ARTCC.

**Using agency.** ANG Combat Readiness Training Center, Gulfport, MS.

ADDED 11/6/97

**De Soto 2 MOA, MS**

**Boundaries.** Beginning at lat. 30°54'31"N., long. 89°08'00"W.; to lat. 31°04'01"N., long. 88°45'30"W.; to lat. 31°14'01"N., long. 88°51'00"W.; to lat. 31°20'31"N., long. 88°47'00"W.; to lat. 31°17'01"N., long. 88°30'00"W.; to lat. 31°03'01"N., long. 88°30'00"W.; to lat. 30°56'01"N., long. 88°37'00"W.; to lat. 30°50'31"N., long. 88°55'00"W.; thence to point of beginning.

**Altitudes.** 100 feet AGL to and including 5,000 feet MSL.

**Times of use.** Times of use. 0830-1730 Monday-Friday; other times by NOTAM."

**Controlling agency.** FAA, Houston ARTCC

**Using agency.** ANG Combat Readiness Training Center Gulfport, MS.

TIMES OF USE CHANGED 11/6/97

### **Deepwoods MOA, ME**

**Boundaries.** Beginning at lat. 44°50'00"N., long. 68°27'58"W.; to lat. 44°59'30"N., long. 68°19'58"W.; to lat. 45°07'00"N., long. 68°00'58"W.; to lat. 44°52'00"N., long. 67°57'58"W.; thence to the point of beginning.

**Altitudes.** Surface to 3,000 feet MSL.

**Times of use.** 0700-2000 Monday-Friday; other times by NOTAM. Contact Bangor Flight Service Station.

**Controlling agency.** Bangor Approach Control

**Using agency.** Commander, Army Aviation Support Facility, Maine Army National Guard Bangor, ME

BOUNDARIES CHANGED 5/5/88

### **Demo 1 MOA, VA**

**Boundaries.** Beginning at lat. 38°37'00"N., long. 77°34'06"W.; to lat. 38°32'20"N., long. 77°39'39"W.; to lat. 38°23'00"N., long. 77°39'59"W.; to lat. 38°23'00"N., long. 77°34'07"W.; to lat. 38°26'20"N., long. 77°27'21"W.; to lat. 38°31'15"N., long. 77°24'19"W.; to lat. 38°29'00"N., long. 77°28'44"W.; to lat. 38°31'20"N., long. 77°34'06"W.; to the point of beginning.

**Altitudes.** 500 feet to 5,000 feet MSL.

**Times of use.** Intermittent by NOTAM.

**Controlling agency.** FAA, Potomac TRACON

**Using agency.** U.S. Marine Corps, Commanding General, Marine Corps Base, Quantico, VA.

CONTROLLING AGENCY CHANGED 12/20/07

### **Demo 2 MOA, VA**

**Boundaries.** Beginning at lat. 38°31'15"N., long. 77°24'19"W.; to lat. 38°29'00"N., long. 77°28'44"W.; to lat. 38°31'20"N., long. 77°34'06"W.; to lat. 38°37'00"N., long. 77°34'06"W.; to lat. 38°37'50"N., long. 77°32'19"W.; to lat. 38°37'00"N., long. 77°25'33"W.; to lat. 38°34'00"N., long. 77°23'59"W.; to the point of beginning.

**Altitudes.** 10,000 to 15,000 feet MSL.

**Times of use.** Intermittent by NOTAM.

**Controlling agency.** FAA, Potomac TRACON.

**Using agency.** U.S. Marine Corps, Commanding General, Marine Corps Base, Quantico, VA.

CONTROLLING AGENCY CHANGED 12/20/07

**Demo 3 MOA, VA**

**Boundaries.** Beginning at lat. 38°37'00"N., long. 77°34'06"W.; to lat. 38°32'20"N., long. 77°39'39"W.; to lat. 38°23'00"N., long. 77°39'59"W.; to lat. 38°23'00"N., long. 77°34'07"W.; to lat. 38°26'20"N., long. 77°27'21"W.; to lat. 38°31'15"N., long. 77°24'19"W.; to lat. 38°29'00"N., long. 77°28'44"W.; to lat. 38°31'20"N., long. 77°34'06"W.; to the point of beginning.

**Altitudes.** Above 5,000 to 15,000 feet MSL.

**Times of use.** Intermittent by NOTAM.

**Controlling agency.** FAA, Potomac TRACON.

**Using agency.** U.S. Marine Corps, Commanding General, Marine Corps Base, Quantico, VA.

CONTROLLING AGENCY CHANGED 12/20/07

**Desert MOA, NV**

**Boundaries.** Beginning at lat. 37°53'00"N., long. 116°11'02"W.; to lat. 37°59'59"N., long. 114°42'06"W.; to lat. 38°01'00"N., long. 114°30'03"W.; to lat. 37°53'44"N., long. 113°42'03"W.; to lat. 37°49'25"N., long. 113°42'01"W.; to lat. 36°43'00"N., long. 114°36'02"W.; to lat. 36°26'00"N., long. 115°18'03"W.; to lat. 37°17'00"N., long. 115°18'03"W.; to lat. 37°17'00"N., long. 115°35'03"W.; to lat. 37°28'00"N., long. 115°35'03"W.; to lat. 37°28'00"N., long. 115°48'03"W.; to lat. 37°33'02"N., long. 115°48'03"W.; to lat. 37°33'01"N., long. 115°53'03"W.; to lat. 37°42'00"N., long. 115°53'03"W.; to lat. 37°42'00"N., long. 116°11'03"W.; to the point of beginning.

**Altitudes.** 100 feet AGL to but not including FL 180 excluding the airspace 1,500 feet AGL and below within a 3 NM radius of the Alamo, and Lincoln County Airports.

**Times of use.** Sunrise to sunset, Monday to Saturday; other times by NOTAM.

**Controlling agency.** USAF Nellis AFB, NV RATCF.

**Using agency.** USAF, 57th Fighter Weapons Wing, Nellis AFB, NV.

BOUNDARIES AND CONTROLLING AGENCY CHANGED 11/23/06

**Devils Lake East MOA, ND**

**Boundaries.** Beginning at lat. 47°50'00"N., long. 99°09'01"W.; to lat. 47°47'00"N., long. 99°00'01"W.; to lat. 47°50'00"N., long. 98°17'01"W.; to lat. 47°35'00"N., long. 98°07'01"W.; to lat. 47°19'00"N., long. 97°44'01"W.; to lat. 47°07'00"N., long. 98°12'01"W.; to lat. 47°14'00"N., long. 98°22'01"W.; to lat. 47°25'00"N., long. 99°15'01"W.; to lat. 47°25'00"N., long. 99°41'01"W.; to the point of beginning.

**Altitudes.** 3,500 feet MSL to but not including FL 180, excluding that airspace within R-5401 when the restricted area is active.

**Times of use.** Intermittent by NOTAM.

**Controlling agency.** FAA, Minneapolis ARTCC.

**Using agency.** 25th Air Division, McChord AFB, WA.

ALTITUDES CHANGED 5/27/93

**Devils Lake West MOA, ND**

**Boundaries.** Beginning at lat. 48°00'00"N., long. 100°15'02"W.; to lat. 48°00'00"N., long. 99°35'01"W.; to lat. 47°50'00"N., long. 99°09'01"W.; to lat. 47°25'00"N., long. 99°41'01"W.; to lat. 47°25'00"N., long. 100°44'01"W.; to lat. 47°45'00"N., long. 100°44'02"W.; to the point of beginning.

**Altitudes.** 4,000 feet MSL to but not including FL 180.

**Times of use.** Intermittent by NOTAM.

**Controlling agency.** FAA, Minneapolis ARTCC

**Using agency.** 25th Air Division, McChord AFB, WA.

ALTITUDES CHANGED 11/19/87

**Dolphin North MOA, OR**

**Boundaries.** Beginning at lat. 44°13'00"N., long. 124°23'30"W.; to lat. 44°21'00"N., long. 124°07'00"W.; to lat. 44°21'00"N., long. 123°37'00"W.; to lat. 42°10'00"N., long. 123°37'00"W.; to lat. 42°10'00"N., long. 124°39'00"W.; thence north 12 miles from and parallel to the U.S. shoreline to point of beginning.

**Altitudes.** 11,000 feet MSL to but not including FL 180.

**Times of use.** 0800-1600 daily, other times by NOTAM.

**Controlling agency.** FAA, Seattle ARTCC.

**Using agency.** ANG, 173<sup>rd</sup> Tactical Fighter Wing, Kingsley Field, Klamath Falls.

ADDED 4/18/02

**Dolphin South MOA, OR**

**Boundaries.** Beginning at lat. 42°10'00"N., long. 124°38'52"W.; to lat. 42°10'00"N., long. 123°37'00"W.; to lat. 41°25'00"N., long. 123°37'00"W.; to lat. 41°25'00"N., long. 124°19'30"W.; thence north 12 miles from and parallel to the U.S. shoreline to point of beginning

**Altitudes.** 11,000 feet MSL to but not including FL 180.

**Times of use.** 0800-1600 daily, other times by NOTAM.

**Controlling agency.** FAA, Seattle ARTCC.

**Using agency.** ANG, 173<sup>rd</sup> Tactical Fighter Wing, Kingsley Field, Klamath Falls.

ADDED 4/18/02

**Dome MOA, AZ**

**Boundaries.** Beginning at lat. 32°39'40"N., long. 114°45'23"W.; to lat. 32°39'40"N., long. 114°28'33"W.; to lat. 32°35'00"N., long. 114°28'33"W.; to lat. 32°35'00"N., long. 114°31'03"W.; to lat. 32°30'00"N., long. 114°31'03"W.; to lat. 32°30'00"N., long. 114°28'33"W.; to lat. 32°23'45"N., long. 114°28'33"W.; thence via the U.S./Mexico Border to the point of beginning.



**Altitudes.** 6,000 feet MSL to but not including FL 180.

**Times of use.** Intermittent by NOTAM.

**Controlling agency.** FAA, Los Angeles ARTCC

**Using agency.** USMC, MCAS Yuma, AZ.

ADDED 3/8/90

### **Drum MOA, NY**

**Boundaries.** Beginning at lat. 44°14'49"N., long. 75°49'00"W.; to lat. 44°19'00"N., long. 75°44'30"W.; to lat. 44°19'00"N., long. 75°37'05"W.; to lat. 44°16'07"N., long. 75°32'41"W.; to lat. 44°10'50"N., long. 75°38'59"W.; to lat. 44°09'34"N., long. 75°40'00"W.; to the point of beginning.

**Altitudes.** 500 feet AGL to but not including 5,000 feet MSL.

**Times of use.** May 1-August 31: 0800-1700 Monday-Friday; other times by NOTAM.

September 1-April 30: 0800-2200 Monday-Friday; other times by NOTAM.

**Controlling agency.** U.S. Army, Wheeler-Sack Approach Control.

**Using agency.** NY ANG, 174FW/Det 1, Fort Drum, NY.

ADDED 11/20/08

### **Duke MOA, PA**

**Boundaries.** Beginning at lat. 42°02'40"N., long. 78°28'59"W.; to lat. 41°54'30"N., long. 77°24'19"W.; to lat. 41°19'55"N., long. 77°47'53"W.; to lat. 41°23'00"N., long. 78°36'39"W.; to the point of beginning.

**Altitudes.** 8,000 feet MSL to but not including FL 180.

**Times of use.** 1000-1500 daily; other times by NOTAM.

**Controlling agency.** FAA, Cleveland ARTCC

**Using agency.** Air National Guard, 112th Air Control Squadron, State College AGS, State College, PA.

USING AGENCY CHANGED 6/18/98

### **Eglin A East MOA, FL**

**Boundaries.** Beginning at lat. 30°58'01"N., long. 86°49'00"W.; to lat. 30°58'01"N., long. 86°40'30"W.; to lat. 30°42'49"N., long. 86°41'00"W.; to lat. 30°42'46"N., long. 86°45'45"W.; thence west along the L and N Railroad to lat. 30°42'16"N., long. 86°47'00"W.; to lat. 30°53'21"N., long. 86°47'00"W.; to lat. 30°54'11"N., long. 86°53'15"W.; to the point of beginning.

**Altitudes.** 1,000 feet AGL to but not including FL 180; occasional use to 200 feet AGL by NOTAM.

**Times of use.** Intermittent, 0600-2100 local time Monday-Friday; other times by NOTAM.

**Controlling agency.** FAA, Jacksonville ARTCC

**Using agency.** U.S. Air Force, Commander, Air Armament Center, Eglin AFB, FL.

USING AGENCY CHANGED 11/25/04

#### **Eglin A West MOA, FL**

**Boundaries.** Beginning at lat. 30°54'11"N., long. 86°53'15"W.; to lat. 30°53'21"N., long. 86°47'00"W.; to lat. 30°42'16"N., long. 86°47'00"W.; thence west along the L and N Railroad to lat. 30°38'46"N., long. 86°55'00"W.; to lat. 30°52'31"N., long. 86°55'00"W.; to the point of beginning.

**Altitudes.** 1,000 feet AGL to but not including FL 180; occasional use to 200 feet AGL by NOTAM.

**Times of use.** Intermittent, 0600-2100 local time Monday-Friday; other times by NOTAM.

**Controlling agency.** FAA, Jacksonville ARTCC

**Using agency.** U.S. Air Force, Commander, Air Armament Center, Eglin AFB, FL.

USING AGENCY CHANGED 11/25/04

#### **Eglin B MOA, FL**

**Boundaries.** Beginning at lat. 30°58'01"N., long. 86°40'30"W.; to lat. 30°58'01"N., long. 86°25'00"W.; to lat. 30°53'01"N., long. 86°25'00"W.; to lat. 30°43'31"N., long. 86°20'00"W.; to lat. 30°42'55"N., long. 86°41'00"W.; to the point of beginning.

**Altitudes.** 1,000 feet AGL to but not including FL 180; occasional use to 200 feet AGL by NOTAM; excluding Crestview, FL, Class E airspace area below 1,500 feet AGL.

**Times of use.** Intermittent, 0600-2100 Monday-Friday; other times by NOTAM.

**Controlling agency.** FAA, Jacksonville ARTCC

**Using agency.** U.S. Air Force, Commander, Air Armament Center, Eglin AFB, FL.

USING AGENCY CHANGED 11/25/04

#### **Eglin C MOA, FL**

**Boundaries.** Beginning at lat. 30°58'01"N., long. 86°25'00"W.; to lat. 30°58'01"N., long. 86°13'00"W.; to lat. 30°43'46"N., long. 86°10'30"W.; to lat. 30°43'31"N., long. 86°20'00"W.; to lat. 30°53'01"N., long. 86°25'00"W.; to the point of beginning.

**Altitudes.** 1,000 feet AGL to but not including FL 180; occasional use to 200 feet AGL by NOTAM.

**Times of use.** Intermittent, 0600-2100 Monday-Friday; other times by NOTAM.

**Controlling agency.** FAA, Jacksonville ARTCC

**Using agency.** U.S. Air Force, Commander, Air Armament Center, Eglin AFB, FL.

USING AGENCY CHANGED 11/25/04

**Eglin D MOA, FL**

**Boundaries.** Beginning at lat. 31°03'01"N., long. 86°25'00"W.; to lat. 31°03'01"N., long. 86°07'00"W.; to lat. 30°45'01"N., long. 86°07'00"W.; to lat. 30°43'46"N., long. 86°10'30"W.; to lat. 30°58'01"N., long. 86°13'00"W.; to lat. 30°58'01"N., long. 86°25'00"W.; to the point of beginning.

**Altitudes.** 1,000 feet AGL to and including 3,000 feet MSL.

**Times of use.** Intermittent, 0600-2100 Monday-Friday; other times by NOTAM.

**Controlling agency.** FAA, Jacksonville ARTCC

**Using agency.** U.S. Air Force, Commander, Air Armament Center, Eglin AFB, FL.

USING AGENCY CHANGED 11/25/04

**Eglin E MOA, FL**

**Boundaries.** Beginning at lat. 30°33'41"N., long. 86°55'00"W.; to lat. 30°38'46"N., long. 86°55'00"W.; thence east along the northern boundary of R-2915A to lat. 30°42'46"N., long. 86°45'45"W.; to lat. 30°43'46"N., long. 86°10'30"W.; to lat. 30°41'01"N., long. 86°05'10"W.; to lat. 30°24'01"N., long. 85°56'00"W.; to lat. 30°11'01"N., long. 85°56'00"W.; thence 3 NM from and parallel to the shoreline to lat. 30°19'31"N., long. 86°51'30"W.; to lat. 30°23'01"N., long. 86°51'30"W.; to lat. 30°24'21"N., long. 86°48'00"W.; to lat. 30°26'31"N., long. 86°51'30"W.; to lat. 30°26'31"N., long. 86°52'20"W.; thence along the Navarre-Milton Highway to the point of beginning.

**Altitudes.** Surface to but not including FL 180.

**Times of use.** Intermittent, 0600-2100 Monday-Friday; other times by NOTAM. Radar advisory service available to Destin Airport.

**Controlling agency.** FAA, Jacksonville ARTCC

**Using agency.** U.S. Air Force, Commander, Air Armament Center, Eglin AFB, FL.

USING AGENCY CHANGED 11/25/04

**Eglin F MOA, FL**

**Boundaries.** Beginning at lat. 30°26'31"N., long. 86°51'30"W.; to lat. 30°24'21"N., long. 86°48'00"W.; to lat. 30°23'01"N., long. 86°51'30"W.; to the point of beginning.

**Altitudes.** Surface to but not including FL 180.

**Times of use.** Intermittent, 0600-2100 Monday-Friday; other times by NOTAM.

**Controlling agency.** FAA, Jacksonville ARTCC

**Using agency.** U.S. Air Force, Commander, Air Armament Center, Eglin AFB, FL.

USING AGENCY CHANGED 11/25/04

**Eielson MOA, AK**

**Boundaries.** Beginning at lat. 63°50'49"N, long. 146°47'38"W; to lat. 63°58'00"N, long. 148°00'00"W; to lat. 64°22'28"N, long. 147°58'09"W; to lat. 64°13'28"N, long. 147°32'08"W; to lat. 64°19'58"N, long. 147°19'09"W; to lat. 64°17'43"N, long. 147°03'29"W; to lat. 64°14'44"N, long. 146°43'23"W; thence along the east bank of the Little Delta and East Fork Rivers to the point of beginning, excluding that airspace at or below 1,500 feet AGL within a 3 NM radius of the Gold King Creek Airstrip (centered at lat. 64°11'47"N, long. 147°55'57"W.)

**Altitudes.** 100 feet AGL to but not including FL 180.

**Times of use.** 0800-1800, Monday-Friday; by NOTAM for other times between 0700-2200, Monday-Friday; pending Special Use Airspace Information Service availability.

**Controlling agency.** FAA, Anchorage ARTCC.

**Using agency.** U.S. Air Force 354th Fighter Wing, Eielson AFB, AK.

**NOTE:** SUAIS including VHF transmitter/receiver, radar, recording, and telephone capability must be operational during activation. Any operation during reduced capability must be approved in advance by the Alaska FAA Air Traffic Division.

TIMES OF USE CHANGED 1/15/09

**Eureka High MOA, KS**

**Boundaries.** Beginning at lat. 37°48'00"N., long. 96°43'29"W.; to lat. 37°53'15"N., long. 95°56'01"W.; to lat. 37°41'15"N., long. 95°45'28"W.; clockwise along the Wichita, KS, VORTAC 87 NM DME arc to lat. 37°05'02"N., long. 95°57'49"W.; to lat. 37°04'30"N., long. 96°00'31"W.; to lat. 37°26'36"N., long. 96°48'44"W.; thence counterclockwise along the 41 NM DME arc of the Wichita VORTAC to the point of beginning.

**Altitudes.** 6,000 feet to but not including FL 180.

**Times of use.** Sunrise-sunset, Monday-Friday; Saturday and Sunday by NOTAM.

**Controlling agency.** FAA, Kansas City ARTCC

**Using agency.** 184th Tactical Fighter Group, McConnell AFB, Wichita, KS.

TIMES OF USE CHANGED 1/15/09

**Eureka Low MOA, KS**

**Boundaries.** Beginning at lat. 37°48'00"N., long. 96°43'29"W.; to lat. 37°53'15"N., long. 95°56'01"W.; to lat. 37°41'15"N., long. 95°45'28"W.; clockwise along the Wichita, KS, VORTAC 87 NM DME arc to lat. 37°05'02"N., long. 95°57'49"W.; to lat. 37°04'30"N., long. 96°00'31"W.; to lat. 37°26'36"N., long. 96°48'44"W.; thence counterclockwise along the 41 NM DME arc of the Wichita VORTAC to the point of beginning.

**Altitudes.** 2,500 feet to but not including 6,000 feet.

**Times of use.** Sunrise-sunset, Monday-Friday; Saturday and Sunday by NOTAM.

**Controlling agency.** FAA, Kansas City ARTCC

**Using agency.** 184th Tactical Fighter Group, McConnell AFB, Wichita, KS.

TIMES OF USE CHANGED 1/15/09

**Evers MOA, WV**

**Boundaries.** Beginning at lat. 38°40'01"N., long. 79°57'59"W.; to lat. 38°40'01"N., long. 79°19'49"W.; to lat. 38°24'00"N., long. 79°19'49"W.; to lat. 38°24'00"N., long. 79°57'59"W.; to the point of beginning.

**Altitudes.** 1,000 feet AGL up to but not including FL 180.

**Times of use.** Sunrise-sunset, daily by NOTAM.

**Controlling agency.** FAA, Washington ARTCC

**Using agency.** 1st Fighter Wing, Langley AFB, VA.

USING AGENCY CHANGED 6/18/98

**Falls 1 MOA, WI**

**Boundaries.** Beginning at lat. 44°28'00"N., long. 90°35'00"W.; to lat. 44°08'40"N., long. 90°44'20"W.; to lat. 44°02'45"N., long. 90°44'30"W.; to lat. 44°03'00"N., long. 90°53'00"W.; to lat. 44°05'00"N., long. 90°57'00"W.; to lat. 44°14'00"N., long. 91°05'00"W.; to lat. 44°17'00"N., long. 91°21'00"W.; to lat. 44°33'00"N., long. 91°21'00"W.; to lat. 44°44'00"N., long. 91°05'00"W.; to the point of beginning.

**Altitudes.** 500 feet AGL to but not including FL 180, excluding that airspace 1,500 feet AGL and below within a 3 NM radius of the Black River Falls Municipal Airport, WI.

**Times of use.** Intermittent by NOTAM 0800-1600 Tuesday-Saturday; other times by NOTAM.

**Controlling agency.** FAA, Minneapolis ARTCC

**Using agency.** USAF, Air National Guard, Volk Field Combat Readiness Training Center, WI.

TIMES OF USE CHANGED 1/15/09

**Falls 2 MOA, WI**

**Boundaries.** Beginning at lat. 44°44'00"N., long. 91°05'00"W.; to lat. 44°48'00"N., long. 90°59'00"W.; to lat. 44°48'00"N., long. 90°22'00"W.; to lat. 44°35'00"N., long. 90°18'00"W.; to lat. 44°27'00"N., long. 89°59'00"W.; to lat. 44°28'00"N., long. 90°35'00"W.; to the point of beginning.

**Altitudes.** 500 feet AGL to but not including FL 180, excluding that airspace 1,500 feet AGL and below within a 3 NM radius of the Neillsville Airport, WI.

**Times of use.** Intermittent by NOTAM 0800-1600 Tuesday-Saturday; other times by NOTAM.

**Controlling agency.** FAA, Minneapolis ARTCC.

**Using agency.** USAF, Air National Guard, Volk Field Combat Readiness Training Center, WI.

TIMES OF USE CHANGED 1/15/09

**Farmville MOA, VA**

**Boundaries.** Beginning at lat. 37°35'00"N., long. 78°12'30"W.; to lat. 37°29'30"N., long. 77°55'00"W.; to lat. 36°50'30"N., long. 78°20'00"W.; to lat. 36°46'30"N., long. 78°48'00"W.; to lat. 36°52'30"N., long. 79°03'30"W.; to lat. 37°15'00"N., long. 78°50'00"W.; to lat. 37°15'00"N., long. 78°20'00"W.; to the point of beginning.

**Altitudes.** 300 feet AGL to 5,000 feet MSL. Excludes areas at and below 1,500 feet AGL within 3 NM of public use airports.

**Times of use.** 0800-1700 Monday-Friday; Other times by NOTAM.

**Controlling agency.** FAA, Washington ARTCC

**Using agency.** U.S. Air Force, 1st Fighter Wing, Langley AFB, VA.

BOUNDARIES, TIMES OF USE, AND USING AGENCY CHANGED 12/3/98

### **Foothill 1 MOA, CA**

**Boundaries.** Beginning at lat. 37°04'50"N., long. 119°16'03"W.; to lat. 37°04'50"N., long. 118°35'03"W.; to lat. 36°35'50"N., long. 118°35'03"W.; to lat. 36°42'50"N., long. 119°15'03"W.; to the point of beginning.

**Altitudes.** 2,000 feet AGL to but not including FL 180, except 3,000 feet AGL over wilderness areas.

**Times of use.** Intermittent by NOTAM.

**Controlling agency.** FAA, Oakland ARTCC

**Using agency.** Commander, Strike Fighter Wing Pacific Fleet, Naval Air Station, Lemoore, CA

### **Foothill 2 MOA, CA**

**Boundaries.** Beginning at lat. 36°42'50"N., long. 119°15'03"W.; to lat. 36°35'50"N., long. 118°35'03"W.; to lat. 36°08'00"N., long. 118°35'03"W.; to lat. 36°08'00"N., long. 119°02'23"W.; to lat. 36°33'00"N., long. 119°14'03"W.; to the point of beginning.

**Altitudes.** 2,000 feet AGL to but not including FL 180, except 3,000 feet AGL over wilderness areas.

**Times of use.** Intermittent by NOTAM.

**Controlling agency.** FAA, Oakland ARTCC

**Using agency.** Commander, Strike Fighter Wing Pacific Fleet, Naval Air Station, Lemoore, CA

USING AGENCY CHANGED 4/25/96

### **Fort Bragg North Area A MOA, NC**

**Boundaries.** Beginning at lat. 35°07'06"N., long. 79°22'49"W.; to lat. 35°15'31"N., long. 79°16'49"W.; to lat. 35°15'21"N., long. 79°07'14"W.; to lat. 35°10'01"N., long. 79°07'19"W.; thence west along the north boundary of R-5311 to the point of beginning.

**Altitudes.** 500 feet AGL to and including 6,000 feet MSL.

**Times of use.** Intermittent, 0700-2400, Monday-Friday; by NOTAM Saturday and Sunday.

**Controlling agency.** FAA, Fayetteville Air Traffic Control Tower.

**Using agency.** U. S. Army, Fort Bragg, NC.

TIMES OF USE CHANGED 1/15/09

**Fort Bragg North Area B MOA, NC**

**Boundaries.** Beginning at lat. 35°15'31"N., long. 79°16'49"W.; to lat. 35°19'21"N., long. 79°16'44"W.; to lat. 35°19'16"N., long. 79°07'09"W.; to lat. 35°15'21"N., long. 79°07'14"W.; to the point of beginning.

**Altitudes.** 4,000 feet MSL to and including 6,000 feet MSL.

**Times of use.** Intermittent, 0700-2400, Monday-Friday; by NOTAM Saturday and Sunday.

**Controlling agency.** FAA, Fayetteville Air Traffic Control Tower.

**Using agency.** U. S. Army, Fort Bragg, NC.

TIMES OF USE CHANGED 1/15/09

**Fort Bragg South Area A MOA, NC**

**Boundaries.** Beginning at lat. 35°02'56"N., long. 79°05'39"W.; to lat. 34°58'51"N., long. 79°06'59"W.; to lat. 34°58'51"N., long. 79°21'14"W.; to lat. 35°07'06"N., long. 79°22'49"W.; to lat. 35°02'46"N., long. 79°20'09"W.; to the point of beginning.

**Altitudes.** 500 feet AGL to and including 6,000 feet MSL.

**NOTE:** Area A excludes that airspace within 1 1/2 NM radius of the city of Raeford and Raeford Airport from surface to 3,000 feet AGL.

**Times of use.** Intermittent, 0700-2400, Monday-Friday; by NOTAM Saturday and Sunday.

**Controlling agency.** FAA, Fayetteville Air Traffic Control Tower.

**Using agency.** U. S. Army, Fort Bragg, NC

TIMES OF USE CHANGED 1/15/09

**Fort Bragg South Area B MOA, NC**

**Boundaries.** Beginning at lat. 34°58'51"N., long. 79°06'59"W.; to lat. 34°55'26"N., long. 79°08'19"W.; to lat. 34°55'36"N., long. 79°20'29"W.; to lat. 34°58'51"N., long. 79°21'14"W.; to the point of beginning.

**Altitudes.** 1,500 feet AGL to and including 6,000 feet MSL.

**Times of use.** Intermittent, 0700-2400, Monday-Friday; by NOTAM Saturday and Sunday.

**Controlling agency.** FAA, Fayetteville Air Traffic Control Tower.

**Using agency.** U. S. Army, Fort Bragg, NC.

TIMES OF USE CHANGED 1/15/09

**Fort Stewart B1 MOA, GA**

**Boundaries.** Beginning at lat. 31°51'31"N., long. 81°41'44"W.; to lat. 31°51'01"N., long. 81°41'44"W.; to lat. 31°51'01"N., long. 81°59'59"W.; to lat. 32°05'01"N., long. 81°56'59"W.; to lat. 32°11'01"N., long. 81°45'59"W.; to lat. 32°10'01"N., long. 81°38'59"W.; to lat. 32°08'31"N., long. 81°36'59"W.; to lat. 32°06'31"N., long. 81°36'59"W.; to lat. 32°06'31"N., long. 81°38'59"W.; to lat. 32°07'01"N., long. 81°43'29"W.; to lat. 32°07'29"N., long. 81°47'16"W.; to lat. 32°05'25"N., long. 81°50'02"W.; to lat. 32°03'00"N., long. 81°51'25"W.; to lat. 32°02'22"N., long. 81°50'41"W.; to lat. 31°59'46"N., long. 81°51'05"W.; to lat. 31°57'01"N., long.

81°53'14"W.; to lat. 31°55'31"N., long. 81°52'59"W.; to lat. 31°55'01"N., long. 81°52'59"W.; to the point of beginning.

**Altitudes.** 500 feet AGL to 4,999 feet MSL.

**Times of use.** Intermittent, 0600-2200 local time, Monday-Friday; other times by NOTAM.

**Controlling agency.** FAA, Jacksonville ARTCC.

**Using agency.** U.S. Army, Commanding General, Fort Stewart, GA.

REVISED 9/24/87

### **Fort Stewart B2 MOA, GA**

**Boundaries.** Beginning at lat. 31°51'31"N., long. 81°41'44"W.; to lat. 31°51'01"N., long. 81°41'44"W.; to lat. 31°51'01"N., long. 81°59'59"W.; to lat. 32°05'01"N., long. 81°56'59"W.; to lat. 32°11'01"N., long. 81°45'59"W.; to lat. 32°10'01"N., long. 81°38'59"W.; to lat. 32°08'31"N., long. 81°36'59"W.; to lat. 32°06'31"N., long. 81°36'59"W.; to lat. 32°06'31"N., long. 81°38'59"W.; to lat. 32°07'01"N., long. 81°43'29"W.; to lat. 32°07'29"N., long. 81°47'16"W.; to lat. 32°05'25"N., long. 81°50'02"W.; to lat. 32°03'00"N., long. 81°51'25"W.; to lat. 32°02'22"N., long. 81°50'41"W.; to lat. 31°59'46"N., long. 81°51'05"W.; to lat. 31°57'01"N., long. 81°53'14"W.; to lat. 31°55'31"N., long. 81°52'59"W.; to lat. 31°55'01"N., long. 81°52'59"W.; to the point of beginning.

**Altitudes.** 5,000 feet MSL to 10,000 feet MSL.

**Times of use.** By NOTAM.

**Controlling agency.** FAA, Jacksonville ARTCC

**Using agency.** U.S. Army, Commanding General, Fort Stewart, GA

REVISED 9/24/87

### **Fort Stewart C1 MOA, GA**

**Boundaries.** Beginning at lat. 31°54'04"N., long. 81°28'44"W.; to lat. 31°56'16"N., long. 81°22'59"W.; to lat. 31°58'46"N., long. 81°19'44"W.; to lat. 31°51'01"N., long. 81°20'59"W.; to lat. 31°51'01"N., long. 81°25'59"W.; to the point of beginning.

**Altitudes.** 500 feet AGL to 2,999 feet MSL.

**Times of use.** Intermittent, 0600-2200 local time, Monday-Friday; other times by NOTAM.

**Controlling agency.** FAA, Jacksonville ARTCC

**Using agency.** U.S. Army, Commanding General, Fort Stewart, GA.

ADDED 9/24/87

### **Fort Stewart C2 MOA, GA**

**Boundaries.** Beginning at lat. 31°51'01"N., long. 81°41'44"W.; to lat. 31°51'31"N., long. 81°41'44"W.; to lat. 31°52'21"N., long. 81°38'09"W.; to lat. 31°53'12"N., long. 81°37'50"W.; thence northeast along Georgia Highway 144 to lat. 31°56'49"N., long. 81°30'41"W.; thence along an arc of a 5-mile radius circle centered at lat. 31°53'21"N., long. 81°33'44"W.; to lat.



31°54'04"N., long. 81°28'44"W.; to lat. 31°56'16"N., long. 81°22'59"W.; to lat. 31°58'46"N., long. 81°19'44"W.; to lat. 31°51'01"N., long. 81°20'59"W.; to the point of beginning.

**Altitudes.** 3,000 feet MSL to 10,000 feet MSL.

**Times of use.** By NOTAM.

**Controlling agency.** FAA, Jacksonville ARTCC

**Using agency.** U.S. Army, Commanding General, Fort Stewart, GA

ADDED 9/24/87

### **Fox 1 MOA, AK**

**Boundaries.** Beginning at lat. 63°58'00"N., long. 148°00'00"W.; to lat. 63°50'49"N., long. 146°47'38"W.; to lat. 63°43'59"N., long. 146°30'08"W.; to lat. 63°30'00"N., long. 145°54'00"W.; to lat. 63°30'00"N., long. 148°16'46"W.; to the point of beginning.

**Altitudes.** 5,000 feet AGL to but not including FL 180.

**Times of use.** 0800-1800, Monday-Friday; by NOTAM for other times between 0700-2200, Monday-Friday.

**Controlling agency.** FAA, Anchorage ARTCC.

**Using agency.** U.S. Air Force 354<sup>th</sup> Fighter Wing, Eielson AFB, AK.

TIMES OF USE CHANGED 1/15/09

### **Fox 2 MOA, AK**

**Boundaries.** Beginning at lat. 63°43'59"N., long. 146°30'08"W.; to lat. 63°42'14"N., long. 146°13'34"W.; to lat. 63°42'59"N., long. 145°54'09"W.; to lat. 63°30'00"N., long. 145°54'00"W.; to the point of beginning.

**Altitudes.** 7,000 feet MSL to but not including FL 180.

**Times of use.** 0800-1800, Monday-Friday; by NOTAM for other times between 0700-2200, Monday-Friday.

**Controlling agency.** FAA, Anchorage ARTCC.

**Using agency.** U.S. Air Force 354<sup>th</sup> Fighter Wing, Eielson AFB, AK.

TIMES OF USE CHANGED 1/15/09

### **Fox 3 MOA, AK**

**Boundaries.** Beginning at lat. 63°30'00"N., long. 145°54'00"W.; to lat. 62°30'00"N., long. 146°43'19"W.; to lat. 62°30'00"N., long. 148°50'50"W.; to lat. 63°30'00"N., long. 148°16'46"W.; to the point of beginning.

**Altitudes.** 5,000 feet AGL to but not including FL 180.

**Times of use.** 0800-1800, Monday-Friday; by NOTAM for other times between 0700-2200, Monday-Friday.

**Controlling agency.** FAA, Anchorage ARTCC.

**Using agency.** U.S. Air Force 354<sup>th</sup> Fighter Wing, Eielson AFB, AK.

TIMES OF USE CHANGED 1/15/09

**Fuzzy MOA, AZ**

**Boundaries.** Beginning at lat. 31°31'00"N., long. 111°38'32"W.; to lat. 31°43'30"N., long. 111°35'32"W.; to lat. 31°43'30"N., long. 111°04'32"W.; to lat. 31°38'55"N., long. 111°04'57"W.; to lat. 31°22'05"N., long. 111°11'12"W.; thence along the United States/Mexico border to the point of beginning.

**Altitudes.** 100 feet AGL up to but not including 10,000 feet MSL.

**Times of use.** 0700-1900 daily; other times by NOTAM.

**Controlling agency.** FAA, Albuquerque ARTCC.

**Using agency.** 162nd Tactical Fighter Group, Tucson, AZ.

**Gabbs Central MOA, NV**

**Boundaries.** Beginning at lat. 39°06'05"N., long. 118°33'37"W.; to lat. 38°58'00"N., long. 118°42'54"W.; to lat. 38°43'00"N., long. 118°11'33"W.; to lat. 38°43'00"N., long. 118°02'03"W.; to lat. 39°10'00"N., long. 117°23'03"W.; to the point of beginning; excluding that airspace encompassed by a 3 NM radius centered on the town of Gabbs, NV, located at lat. 38°52'12"N., long. 117°55'33"W., below 2,000 feet AGL.

**Altitudes.** 100 feet AGL up to but not including FL 180.

**Times of use.** 0715-2330 daily; other times by NOTAM.

**Controlling agency.** FAA, Oakland ARTCC.

**Using Agency.** U.S. Navy, Commander, Naval Strike and Air Warfare Center, NAS, Fallon, NV.

USING AGENCY CHANGED 9/11/97

**Gabbs North MOA, NV**

**Boundaries.** Beginning at lat. 39°06'05"N., long. 118°33'37"W.; to lat. 39°10'00"N., long. 117°23'03"W.; to lat. 39°55'00"N., long. 117°26'03"W.; to lat. 40°06'00"N., long. 117°48'03"W.; to lat. 40°06'00"N., long. 117°57'33"W.; to lat. 40°01'00"N., long. 118°15'04"W.; to lat. 39°51'00"N., long. 118°38'04"W.; to lat. 39°45'53"N., long. 118°37'56"W.; to lat. 39°25'00"N., long. 118°25'34"W.; to lat. 39°17'00"N., long. 118°21'04"W.; to the point of beginning. Excluding the following airspace: (1) that airspace within R-4804A, R-4810, R-4812, R-4813A, R-4816N and R-4816S, and those portions of the Fallon and Stillwater National Wildlife Refuge areas below 3,000 feet AGL; (2) that airspace between 2,000 feet AGL and 8,500 feet MSL bounded on the west by the western edge of the Gabbs North MOA, on the north by the southern boundary of R-4816S, on the east by long. 118°07'30"W., and on the south by US Highway 50; (3) that airspace between 2,000 feet AGL and 10,500 feet MSL bounded on the west by long. 118°07'30"W., on the north by the southern boundary of R-4816S, and on the south by a line 2 NM south of and parallel to US Highway 50, thence eastward until the thence eastward until the intersection of US Highway 50 and State Route 722, thence 2 NM either side State Route 722 eastward to the eastern boundary of the Gabbs North MOA.

**Altitudes.** 100 feet AGL up to, but not including FL 180.

**Times of use.** 0715-2330 daily; other times by NOTAM.

**Controlling agency.** FAA, Oakland ARTCC.

**Using agency.** US Navy, Commander, Naval Strike and Air Warfare Center, NAS, Fallon, NV.

BOUNDARIES CHANGED 8/8/02

### **Gabbs South MOA, NV**

**Boundaries.** Beginning at lat. 38°43'00"N., long. 118°11'33"W.; to lat. 38°40'00"N., long. 118°05'13"W.; to lat. 38°40'00"N., long. 118°00'03"W.; to lat. 38°56'00"N., long. 117°23'03"W.; to lat. 39°10'00"N., long. 117°23'03"W.; to lat. 38°43'00"N., long. 118°02'03"W.; to the point of beginning.

**Altitudes.** 100 feet AGL up to but not including FL 180.

**Times of use.** 0715-2330 daily; other times by NOTAM.

**Controlling agency.** FAA, Oakland ARTCC.

**Using Agency.** U.S. Navy, Commander, Naval Strike and Air Warfare Center, NAS, Fallon, NV.

ALTITUDES CHANGED 10/22/09

### **Galena MOA, AK**

**Boundaries.** Beginning at lat. 64°09'53"N., long. 156°00'01"W.; thence counterclockwise via a 40 NM radius arc from the Galena VORTAC to lat. 64°34'03"N., long. 155°16'45"W.; to lat. 64°32'58"N., long. 153°00'09"W.; to lat. 63°59'58"N., long. 153°00'09"W.; to lat. 63°16'58"N., long. 154°45'08"W.; to the point of beginning.

**Altitudes.** 1,000 feet AGL to but not including FL 180.

**Times of use.** Intermittent, 0800-1800 Monday-Friday; other times by NOTAM.

**Controlling agency.** FAA, Anchorage ARTCC.

**Using agency.** USAF, 3 WG, Elmendorf AFB, AK.

TIMES OF USE CHANGED 1/15/09

### **Gamecock A MOA, NC**

**Boundaries.** Beginning at lat. 34°45'41"N., long. 78°41'29"W.; to lat. 34°32'16"N., long. 78°19'44"W.; to lat. 34°24'01"N., long. 78°25'39"W.; to lat. 34°21'26"N., long. 79°03'59"W.; to lat. 34°31'01"N., long. 79°03'59"W.; to the point of beginning.

**Altitudes.** 7,000 feet MSL to but not including FL 180.

**Times of use.** Intermittent 0630-2230 Monday-Friday; other times by NOTAM.

**Controlling agency.** FAA, Washington ARTCC.

**Using agency.** U.S. Air Force, Commander, 23<sup>rd</sup> Fighter Group, Pope AFB, NC.

USING AGENCY CHANGED 1/28/99

**Gamecock B MOA, SC**

**Boundaries.** Beginning at lat. 33°49'01"N., long. 79°18'29"W.; to lat. 33°38'01"N., long. 79°07'29"W.; to lat. 33°25'31"N., long. 79°25'29"W.; to lat. 33°24'01"N., long. 79°36'59"W.; to the point of beginning.

**Altitudes.** 10,000 feet MSL to but not including FL 180.

**Times of use.** Intermittent, 0800-2400 daily; other times by NOTAM, not to exceed two consecutive weeks nor four weeks per year.

**Controlling agency.** FAA, Jacksonville ARTCC.

**Using agency.** U.S. Air Force, 20th Fighter Wing, Shaw AFB, SC.

TIMES OF USE CHANGED 1/23/03

**Gamecock C MOA, SC**

**Boundaries.** Beginning at lat. 33°49'01"N., long. 79°41'29"W.; to lat. 33°50'31"N., long. 79°24'59"W.; to lat. 33°50'31"N., long. 79°20'29"W.; to lat.

33°49'01"N., long. 79°18'29"W.; to lat. 33°38'01"N.,

long. 79°07'29"W.; to lat. 33°25'31"N., long. 79°25'29"W.; to lat. 33°24'01"N., long.

79°36'59"W.; to lat. 33°24'39"N., long. 79°48'27"W.; to the point of beginning.

**Altitudes.** 100 feet AGL to 10,000 feet MSL, excluding the airspace 1,500 feet AGL and below within a 3 NM radius of Hemingway-Stucky and Andrews Airports, South Carolina.

**Times of use.** Intermittent, 0800-2400 daily; other times by NOTAM.

**Controlling agency.** FAA, Jacksonville ARTCC.

**Using agency.** U.S. Air Force, 20th Fighter Wing, Shaw AFB, SC.

TIMES OF USE CHANGED 1/23/03

**Gamecock D MOA, SC**

**Boundaries.** Beginning at lat. 33°53'01"N., long. 79°54'59"W.; to lat. 33°50'01"N., long.

79°47'59"W.; to lat. 33°49'01"N., long. 79°41'29"W.; to lat. 33°50'31"N., long. 79°24'59"W.; to

lat. 33°50'31"N., long. 79°20'29"W.; to lat. 33°49'01"N., long. 79°18'29"W.; to lat. 33°24'01"N.,

long. 79°36'59"W.; to lat. 33°25'01"N., long. 79°54'59"W.; to lat. 33°32'31"N., long.

80°15'59"W.; to the point of beginning.

**Altitudes.** 10,000 feet MSL to but not including FL 180.

**Times of use.** Intermittent, 0800-2400 daily; other times by NOTAM.

**Controlling agency.** FAA, Jacksonville ARTCC.

**Using agency.** U.S. Air Force, 20th Fighter Wing, Shaw AFB, SC.

TIMES OF USE CHANGED 1/23/03

**Gamecock I MOA, SC**

**Boundaries.** Beginning at lat. 34°44'26"N., long. 80°38'59"W.; to lat. 34°36'01"N., long.

80°22'59"W.; to lat. 34°28'15"N., long. 80°24'26"W.; to lat. 34°16'01"N., long. 80°45'19"W.; to

lat. 34°38'31"N., long. 80°51'59"W.; to the point of beginning.

**Altitudes.** 100 feet AGL to 6,000 feet MSL.

**Times of use.** Intermittent, 0800-2400 daily; other times by NOTAM.

**Controlling agency.** FAA, Jacksonville ARTCC.

**Using agency.** U.S. Air Force, 20th Fighter Wing, Shaw AFB, SC.

TIMES OF USE CHANGED 1/23/03

### **Gandy MOA, UT**

**Boundaries.** Beginning at lat. 40°36'00"N., long. 114°27'03"W.; to lat. 40°36'00"N., long. 114°02'52"W.; to lat. 40°23'00"N., long. 114°15'03"W.; to lat. 39°40'00"N., long. 114°15'03"W.; to lat. 39°23'00"N., long. 114°00'03"W.; to lat. 39°23'00"N., long. 114°27'03"W.; to the point of beginning.

**Altitudes.** 100 feet AGL to but not including FL 180.

**Times of use.** 0500-2000 Monday-Saturday; other times by NOTAM.

**Controlling agency.** FAA, Salt Lake City ARTCC.

**Using agency.** 6501 Range Squadron (AFSC), Hill AFB, UT 84406.

### **Gladden 1 MOA, AZ**

**Boundaries.** Beginning at lat. 34°28'35"N., long. 112°53'43"W.; to lat. 34°10'10"N., long. 112°35'48"W.; thence via the 39 NM DME arc of the Luke TACAN to lat. 33°38'35"N., long. 113°09'03"W.; to lat. 33°56'40"N., long. 114°00'03"W.; to lat. 34°10'00"N., long. 114°00'03"W.; to the point of beginning.

**Altitudes.** 7,000 feet MSL or 5,000 feet AGL, whichever is higher, to but not including FL 180.

**Times of use.** 0600-1900 Monday-Friday; other times by NOTAM.

**Controlling agency.** FAA, Albuquerque ARTCC.

**Using agency.** U.S. Air Force, 56th Fighter Wing, Luke AFB, AZ.

USING AGENCY CHANGED 3/20/03

### **Goose North MOA, OR**

**Boundaries.** Beginning at lat. 42°13'30"N., long. 121°11'53"W.; to lat. 42°18'22"N., long. 120°37'30"W.; to lat. 41°47'00"N., long. 120°28'00"W.; to lat. 41°25'00"N., long. 120°59'00"W.; to lat. 41°51'03"N., long. 121°22'34"W.; thence to the point of beginning.

**Altitudes.** 3000 feet AGL to but not including FL 180.

**Times of use.** 0700-1900 Monday-Friday; other times by NOTAM.

**Controlling agency.** FAA, Seattle ARTCC.

**Using agency.** ANG, 173<sup>rd</sup> Tactical Fighter Wing, Kingsley Field, Klamath Falls.

ADDED 4/18/02

**Goose South MOA, OR**

**Boundaries.** Beginning at lat. 41°25'00"N., long. 120°59'00"W.; to lat. 41°47'00"N., long. 120°28'00"W.; to lat. 41°12'00"N., long. 120°18'00"W.; to lat. 41°03'00"N., long. 120°40'00"W.; thence to the point of beginning.

**Altitudes.** 10,000 feet MSL to but not including FL 180 (not lower than 3000 AGL). Seattle ARTCC may limit MOA floor to 11,000 MSL.

**Times of use.** 0700-1900 Monday-Friday; other times by NOTAM.

**Controlling agency.** FAA, Seattle ARTCC.

**Using agency.** ANG, 173<sup>rd</sup> Tactical Fighter Wing, Kingsley Field, Klamath Falls.

ADDED 4/18/02

**Gray MOA, TX**

**Boundaries.** Beginning at lat. 31°19'01"N., long. 98°03'01"W.; to lat. 31°16'01"N., long. 97°54'01"W.; to lat. 31°09'01"N., long. 97°55'01"W.; to the point of beginning.

**Altitudes.** 2,000 feet MSL to 10,000 feet MSL.

**Times of use.** 0700-1900, Monday-Friday, other times by NOTAM.

**Controlling agency.** FAA, Houston ARTCC.

**Using agency.** U.S. Army, Commanding General, III Corps and Fort Hood, Fort Hood, TX.

ADDED 1/30/97

**Hackett MOA, LA**

**Boundaries.** Beginning at lat. 32°12'00"N., long. 92°23'40"W.; to lat. 31°50'31"N., long. 92°55'26"W.; to lat. 31°45'00"N., long. 93°04'26"W.; to lat. 31°51'02"N., long. 93°12'16"W.; to lat. 32°09'00"N., long. 93°36'00"W.; to lat. 32°19'00"N., long. 93°09'00"W.; to lat. 32°23'00"N., long. 92°34'00"W.; to the point of beginning.

**Altitudes.** 7,000 feet MSL to but not including FL 180; excluding airspace below 10,000' MSL within the following area: Beginning at lat. 31°50'31"N., long. 92°55'26"W.; to lat. 31°45'00"N., long. 93°04'26"W.; to lat. 31°51'02"N., long. 93°12'16"W.; to the point of beginning.

**Times of use.** 0730-2200 local time, Monday-Friday; other times by NOTAM.

**Controlling agency.** FAA, Fort Worth ARTCC.

**Using agency.** U.S. Air Force Reserve Command, 917 WG, Barksdale AFB, LA.

ADDED 6/10/04

**Hart North MOA, OR**

**Boundaries.** Beginning at lat. 42°40'00"N., long. 120°18'04"W.; to lat. 42°40'00"N., long. 119°10'04"W.; to lat. 42°26'00"N., long. 119°13'34"W.; to lat. 42°26'00"N., long. 120°13'06"W.; to the point of beginning.

**Altitudes.** 11,000 feet MSL to but not including FL 180.

**Times of use.** Intermittent by NOTAM, 4 hours in advance.

**Controlling agency.** FAA, Seattle ARTCC

**Using agency.** U.S. Air Force, 25th Air Division, McChord AFB, WA

ADDED 5/5/88

### **Hart South MOA, OR**

**Boundaries.** Beginning at lat. 42°26'00"N., long. 120°13'06"W.; to lat. 42°26'00"N., long. 119°13'34"W.; to lat. 41°30'00"N., long. 119°27'04"W.; to lat. 41°30'00"N., long.

119°55'04"W.; to the point of beginning.

**Altitudes.** 11,000 feet MSL to but not including FL 180.

**Times of use.** Intermittent by NOTAM, 4 hours in advance.

**Controlling agency.** FAA, Seattle ARTCC

**Using agency.** U.S. Air Force, 25th Air Division, McChord AFB, WA

ADDED 5/5/88

### **Hatteras F MOA, NC**

**Boundaries.** Beginning at lat. 34°35'01"N., long. 77°27'59"W.; to lat. 34°34'46"N., long. 77°22'59"W.; to lat. 34°33'01"N., long. 77°18'59"W.; to lat. 34°30'21"N., long. 77°15'49"W.; thence along the 3 NM territorial limit to lat. 34°23'31"N., long. 77°29'59"W.; to lat.

34°28'31"N., long. 77°35'29"W.; to the point of beginning.

**Altitudes.** 3,000 feet to 13,000 feet MSL.

**Times of use.** 0700-2200 Monday-Friday; other times by NOTAM.

**Controlling agency.** FAA, Washington ARTCC.

**Using agency.** USMC, Commanding Officer, U.S. Marine Corps Air Station Cherry Point, NC.

USING AGENCY CHANGED 4/10/2008

### **Hays MOA, MT**

**Boundaries.** Beginning at lat. 48°13'00"N., long. 110°00'03"W.; to lat. 48°22'00"N., long. 109°22'03"W.; to lat. 48°05'00"N., long. 107°00'02"W.; to lat. 47°30'00"N., long.

107°00'02"W.; to lat. 47°30'00"N., long. 110°00'03"W.; to the point of beginning.

**Altitudes.** 300 feet AGL to but not including FL 180.

**Times of use.** Intermittent by NOTAM.

**Controlling agency.** FAA, Salt Lake City ARTCC

**Using agency.** 120 Fighter Interceptor Group, Air National Guard, Great Falls International Airport, Great Falls, MT

**Hersey MOA, MI**

**Boundaries.** Beginning at lat. 44°00'00"N., long. 85°33'00"W.; to lat. 44°00'00"N., long. 85°10'00"W.; to lat. 43°30'00"N., long. 85°00'00"W.; to lat. 43°30'00"N., long. 85°30'00"W.; thence to the point of beginning.

**Altitudes.** 5,000 feet MSL up to, but not including FL 180.

**Times of use.** 0900-1100, 1300-1500 and 1800-2200, Tuesday-Friday; other times by NOTAM.

**Controlling agency.** FAA, Minneapolis ARTCC.

**Using agency.** 110<sup>th</sup> Tactical Air Support Group, Michigan Air National Guard.

ADDED 5/15/03

**Hill MOA, VA**

**Boundaries.** Beginning at lat. 38°04'37"N., long. 77°18'44"W.; thence along U.S. Route 301; to lat. 38°08'01"N., long. 77°14'03"W.; to lat. 38°10'08"N., long. 77°16'06"W.; to lat. 38°14'00"N., long. 77°19'04"W.; to lat. 38°10'30"N., long. 77°22'44"W.; to lat. 38°04'45"N., long. 77°20'59"W.; to the point of beginning.

**Altitudes.** Surface to and including 3,000 feet MSL.

**Times of use.** Sunrise to sunset.

**Controlling agency.** FAA, Potomac Approach.

**Using Agency.** U.S. Army, Fort A. P. Hill, Bowling Green, VA.

CONTROLLING AGENCY CHANGED 5/15/03

**Hill Top MOA, IN**

**Boundaries.** Beginning at lat. 40°59'00"N., long. 86°43'00"W.; to lat. 40°57'30"N., long. 86°26'30"W.; to lat. 40°53'00"N., long. 86°09'00"W.; to lat. 40°35'30"N., long. 86°09'30"W.; to lat. 40°25'00"N., long. 86°14'00"W.; to lat. 40°23'00"N., long. 86°26'00"W.; to lat. 40°40'30"N., long. 86°53'00"W.; to the point of beginning.

**Altitudes.** 10,000 feet MSL to but not including FL 180.

**Times of use.** 0800-1900 Tuesday-Saturday; other times by NOTAM.

**Controlling agency.** FAA, Chicago ARTCC.

**Using agency.** 122nd Tactical Fighter Wing, Air National Guard, Fort Wayne, IN.

CONTROLLING AGENCY CHANGED 1/30/97

**Hog High North MOA, AR**

**Boundaries.** Beginning at lat. 35°13'50"N., long. 094°12'01"W.; to lat. 35°11'33"N., long. 094°12'01"W.; thence east along Arkansas State Highway 10; to lat. 35°10'20"N., long. 094°01'01"W.; to lat. 35°15'00"N., long. 094°01'01"W.; to lat. 35°05'00"N., long. 093°34'01"W.; to lat. 34°51'00"N., long. 093°25'01"W.; to lat. 34°38'12"N., long. 093°31'18"W.; to lat. 34°41'30"N., long. 093°45'53"W.; to lat. 34°40'58"N., long.



093°50'18"W.; to lat. 34°47'19"N., long. 094°26'52"W.; to lat. 34°55'00"N., long. 094°23'08"W.; to lat. 35°05'31"N., long. 094°17'57"W.; to the point of beginning.

**Altitudes.** 6,000 feet MSL to, but not including, FL 180.

**Time of use.** 0500-2000, Monday-Friday; other times by NOTAM.

**Controlling agency.** FAA, Memphis ARTCC.

**Using agency.** Arkansas Air National Guard, 188<sup>th</sup> Fighter Wing, Ft. Smith, AR.

REVISED 2/14/08

### **Hog High South MOA, AR**

**Boundaries.** Beginning at lat. 34°47'19"N., long. 094°26'52"W.; to lat. 34°40'58"N., long. 093°50'18"W.; to lat. 34°41'30"N., long. 093°45'53"W.; to lat. 34°38'12"N., long. 093°31'18"W.; to lat. 34°22'30"N., long. 093°39'01"W.; to lat. 34°22'30"N., long. 094°00'01"W.; at lat. 34°30'00"N., long. 094°23'01"W.; to lat. 34°42'00"N., long. 094°30'01"W.; to the point of beginning.

**Altitudes.** 6,000 feet MSL to, but not including, FL 180.

**Time of use.** 0500-2000, Monday-Friday; other times by NOTAM.

**Controlling agency.** FAA, Memphis ARTCC.

**Using agency.** Arkansas Air National Guard, 188<sup>th</sup> Fighter Wing, Ft. Smith, AR.

REVISED 2/14/08

### **Hog Low North MOA, AR**

**Boundaries.** Beginning at lat. 35°13'50"N., long. 094°12'01"W.; to lat. 35°11'33"N., long. 094°12'01"W.; thence east along Arkansas State Highway 10; to lat. 35°10'20"N., long. 094°01'01"W.; to lat. 35°15'00"N., long. 094°01'01"W.; to lat. 35°05'00"N., long. 093°34'01"W.; to lat. 34°51'00"N., long. 093°25'01"W.; to lat. 34°38'12"N., long. 093°31'18"W.; to lat. 34°41'30"N., long. 093°45'53"W.; to lat. 34°40'58"N., long. 093°50'18"W.; to lat. 34°47'19"N., long. 094°26'52"W.; to lat. 34°55'00"N., long. 094°23'08"W.; to lat. 35°05'31"N., long. 094°17'57"W.; to the point of beginning; excluding that airspace at and below 1,500 feet AGL within a 3-NM radius of the Booneville Airport located at lat. 35°08'58"N., long. 093°51'44"W. and the Waldron Airport located at lat. 34°52'34"N., long. 094°06'34"W.

**Altitudes.** 100 feet AGL to, but not including, 6,000 feet MSL.

**Time of use.** 0500-2000, Monday-Friday; other times by NOTAM.

**Controlling agency.** FAA, Memphis ARTCC.

**Using agency.** Arkansas Air National Guard, 188<sup>th</sup> Fighter Wing, Ft. Smith, AR.

REVISED 2/14/08

### **Hog Low South MOA, AR**

**Boundaries.** Beginning at lat. 34°40'58"N., long. 093°50'18"W.; to lat. 34°41'30"N., long. 093°45'53"W.; to lat. 34°38'12"N., long. 093°31'18"W.; to lat. 34°22'30"N., long.

093°39'01"W.; to lat. 34°22'30"N., long. 094°00'01"W.; to the point of beginning; excluding the airspace at and below 1,500 feet AGL within a 3-NM radius of the Bearce Airport located at lat. 34°31'44"N., long. 093°31'45"W.

**Altitudes.** 100 feet AGL to, but not including, 6,000 feet MSL.

**Time of use.** 0500-2000, Monday-Friday; other times by NOTAM.

**Controlling agency.** FAA, Memphis ARTCC.

**Using agency.** Arkansas Air National Guard, 188<sup>th</sup> Fighter Wing, Ft. Smith, AR.

REVISED 2/14/08

### **Hollis MOA, OK**

**Boundaries.** Beginning a lat. 35°16'53"N., long. 99°42'09"W.; to lat. 34°55'15"N., long. 99°23'16"W.; to lat. 34°31'46"N., long. 99°50'24"W.; to lat. 34°45'29"N., long. 100°22'46"W.; to lat. 35°03'30"N., long. 100°10'01"W.; to the point of beginning.

**Altitudes.** From 11,000 feet MSL up to but not including FL 180.

**Times of use.** One hour before sunrise to one hour after sunset, Monday-Friday; other times by NOTAM.

**Controlling agency.** FAA, Fort Worth ARTCC

**Using agency.** 80th Flying Training Wing, Sheppard AFB, Wichita Falls, TX

BOUNDARIES CHANGED 2/9/89

### **Hood MOA, TX**

**Boundaries.** Beginning at lat. 31°30'01"N., long. 98°03'01"W.; to lat. 31°30'01"N., long. 97°36'41"W.; to lat. 31°28'01"N., long. 97°34'31"W.; to lat. 31°14'01"N., long. 97°33'01"W.; to lat. 31°20'01"N., long. 97°41'01"W.; to lat. 31°21'01"N., long. 97°41'01"W.; to lat. 31°22'08"N., long. 97°41'56"W.; to lat. 31°23'01"N., long. 97°43'01"W.; to lat. 31°24'01"N., long. 97°48'01"W.; to lat. 31°19'01"N., long. 97°51'01"W.; to lat. 31°16'01"N., long. 97°54'01"W.; to lat. 31°19'01"N., long. 98°03'01"W.; to the point of beginning.

**Altitudes.** 2,000 feet MSL to and including 10,000 feet MSL.

**Times of use.** 0700-1900, Monday-Friday, other times by NOTAM.

**Controlling agency.** FAA, Houston ARTCC.

**Using agency.** U. S. Army, Commanding General, III Corps and Fort Hood, Fort Hood, TX.

BOUNDARIES AND TIMES OF USE CHANGED 1/30/97

### **Howard East MOA, IL**

**Boundaries.** Beginning a lat. 40°33'30"N., long. 90°52'00"W.; to lat. 40°37'00"N., long. 90°33'00"W.; to lat. 40°30'00"N., long. 89°53'00"W.; to lat. 39°59'00"N., long. 89°51'00"W.; to lat. 39°57'00"N., long. 91°07'01"W.; to the point of beginning, excluding the Quincy, IL, Class E airspace area.

**Altitudes.** 9,000 feet MSL to but not including FL 180.

**Times of use.** 0700-2200 Sunday-Saturday; other times by NOTAM.

**Controlling agency.** FAA, Kansas City ARTCC

**Using agency.** 3rd Tactical Fighter Group, Illinois Air National Guard, Springfield, IL

TIMES OF USE CHANGED 11/1/01

### **Howard West MOA, IL**

**Boundaries.** Beginning at lat. 40°30'00"N., long. 91°12'01"W.; to lat. 40°33'30"N., long. 90°52'00"W.; to lat. 39°57'00"N., long. 91°07'01"W.; to lat. 39°57'00"N., long. 91°12'01"W.; to the point of beginning, excluding the Quincy, IL, Class E airspace area.

**Altitudes.** 10,000 feet MSL to but not including FL 180.

**Times of use.** 0700-2200 Sunday-Saturday; other times by NOTAM.

**Controlling agency.** FAA, Kansas City ARTCC

**Using agency.** 183rd Tactical Fighter Group, Illinois Air National Guard Springfield, IL

TIMES OF USE CHANGED 11/1/01

### **Hunter High MOA, CA**

**Boundaries.** Beginning at lat. 36°07'00"N., long. 121°30'04"W.; to lat. 36°07'00"N., long. 121°11'04"W.; to lat. 36°03'30"N., long. 121°06'44"W.; to lat. 35°39'40"N., long. 120°43'24"W.; to lat. 35°33'50"N., long. 120°44'44"W.; to lat. 35°29'00"N., long. 120°58'34"W.; to lat. 35°26'20"N., long. 121°03'24"W.; thence northward 3 NM offshore to lat. 36°07'00"N., long. 121°41'04"W.; to the point of beginning.

**Altitudes.** From 11,000 feet MSL up to but not including FL 180.

**Times of use.** Intermittent - by NOTAM only.

**Controlling agency.** FAA, Oakland ARTCC

**Using agency.** Commander, Strike Fighter Wing Pacific Fleet, Naval Air Station, Lemoore, CA

USING AGENCY CHANGED 4/25/96

### **Hunter Low A MOA, CA**

**Boundaries.** Beginning at lat. 36°07'00"N., long. 121°30'04"W.; to lat. 36°07'00"N., long. 121°11'04"W.; to lat. 36°03'30"N., long. 121°06'44"W.; to lat. 35°39'40"N., long. 120°43'24"W.; to lat. 35°45'00"N., long. 121°12'04"W.; to lat. 35°41'40"N., long. 121°15'34"W.; to the point of beginning excluding Restricted Area R-2513.

**Altitudes.** From 200 feet AGL up to but not including 11,000 feet MSL.

**Times of use.** Intermittent by NOTAM.

**Controlling agency.** FAA, Oakland ARTCC.

**Using agency.** Commander, Strike Fighter Wing Pacific Fleet, Naval Air Station, Lemoore, CA.

TIMES OF USE CHANGED 2/4/93

**Hunter Low B MOA, CA**

**Boundaries.** Beginning at lat. 35°39'40"N., long. 120°43'24"W.; to lat. 35°33'50"N., long. 120°44'44"W.; to lat. 35°29'00"N., long. 120°58'34"W.; to lat. 35°43'38"N., long. 121°04'39"W.; to the point of beginning.

**Altitudes.** From 2,000 feet AGL up to but not including 11,000 feet MSL.

**Times of use.** Intermittent by NOTAM.

**Controlling agency.** FAA, Oakland ARTCC.

**Using agency.** Commander, Strike Fighter Wing Pacific Fleet, Naval Air Station, Lemoore, CA.

USING AGENCY CHANGED 4/25/96

**Hunter Low C MOA, CA**

**Boundaries.** Beginning at lat. 35°45'00"N., long. 121°12'04"W.; to lat. 35°43'38"N., long. 121°04'39"W.; to lat. 35°29'00"N., long. 120°58'34"W.; to lat. 35°41'40"N., long. 121°15'34"W.; to the point of beginning.

**Altitudes.** From 3,000 feet AGL up to but not including 11,000 feet MSL.

**Times of use.** Intermittent by NOTAM.

**Controlling agency.** FAA, Oakland ARTCC

**Using agency.** Commander, Strike Fighter Wing Pacific Fleet, Naval Air Station, Lemoore, CA

USING AGENCY CHANGED 4/25/96

**Hunter Low D MOA, CA**

**Boundaries.** Beginning at lat. 36°07'00"N., long. 121°41'04"W.; to lat. 36°07'00"N., long. 121°30'04"W.; to lat. 35°41'40"N., long. 121°15'34"W.; to lat. 35°39'00"N., long. 121°20'04"W.; thence northward 3 NM offshore to the point of beginning.

**Altitudes.** From 1,500 feet AGL to 6,000 feet MSL.

**Times of use.** Intermittent by NOTAM.

**Controlling agency.** FAA, Oakland ARTCC

**Using agency.** Commander, Strike Fighter Wing Pacific Fleet, Naval Air Station, Lemoore, CA

USING AGENCY CHANGED 4/25/96

**Hunter Low E MOA, CA**

**Boundaries.** Beginning at lat. 35°39'00"N., long. 121°20'04"W.; to lat. 35°41'40"N., long. 121°15'34"W.; to lat. 35°29'00"N., long. 120°58'34"W.; to lat. 35°26'20"N., long. 121°03'24"W.; thence northward 3 NM offshore to the point of beginning.

**Altitudes.** From 1,500 feet AGL to 3,000 feet MSL.

**Times of use.** Intermittent by NOTAM.

**Controlling agency.** FAA, Oakland ARTCC

**Using agency.** Commander, Strike Fighter Wing Pacific Fleet, Naval Air Station, Lemoore, CA

USING AGENCY CHANGED 4/25/96

### **Isabella MOA, CA**

**Boundaries.** Beginning at lat. 36°08'00"N., long. 118°35'03"W.; to lat. 36°08'00"N., long. 117°53'03"W.; thence south and east along the boundary of R-2505 to lat. 35°39'15"N., long. 117°29'26"W.; to lat. 35°21'00"N., long. 117°38'33"W.; to lat. 35°19'20"N., long. 117°38'33"W.; thence along the western boundary of R-2515 to lat. 34°49'40"N., long. 118°05'48"W.; to lat. 34°48'00"N., long. 118°05'48"W.; to lat. 34°51'00"N., long. 118°14'03"W.; to lat. 34°56'00"N., long. 118°21'03"W.; to lat. 35°15'00"N., long. 118°35'03"W.; to the point of beginning.

**Altitudes.** 200 feet AGL to but not including FL 180. Excluding that airspace up to and including 3,000 feet AGL over Domeland Wilderness Area; and excluding that airspace up to and including 1,500 feet AGL within a 3 NM radius of the following airports: Rosamond, California City, Mountain Valley, Tehachapi Kern County, Inyokern-Kern County, Kelso Valley Ranch, Flying S Ranch, Kern Valley, and Sacatar-Meadows; and excluding that airspace up to and including 4,800 feet MSL within a 4.3 NM radius of Mojave Airport excluding that airspace east and parallel to a line 1/2-mile west of R-2515.

**Times of use.** 0600-2200 Monday-Friday; other times by NOTAM.

**Controlling agency.** FAA, Hi-Desert TRACON, Edwards, CA.

**Using agency.** R-2508 Complex Control Board.

ALTITUDES CHANGED 8/18/94

### **Jackal Low MOA, AZ**

**Boundaries.** Beginning at lat. 32°40'17"N., long. 110°29'04"W.; thence counterclockwise via the 70 DME arc of the Willie (IWA) VORTAC to lat. 33°03'13"N., long. 110°17'34"W.; to lat. 33°00'00"N., long. 110°00'00"W.; to lat. 32°46'53"N., long. 109°47'00"W.; to lat. 32°32'23"N., long. 109°54'19"W.; to the point of beginning.

**Altitudes.** 100 feet AGL to but not including 11,000 feet MSL or 3,000 feet AGL whichever is higher; excluding the airspace from the surface to 1,500 feet AGL within a 3 NM radius of the Flying J Ranch Airport (lat. 32°50'52"N., long. 109°52'54"W.).

**Times of use.** 0700-1800 Monday-Friday; 1800-2200 Monday-Friday by NOTAM; intermittent weekends by NOTAM.

**Controlling agency.** FAA, Albuquerque ARTCC

**Using agency.** U.S. Air Force, Commander, 162nd Fighter Group, Air National Guard, Tucson, AZ

ADDED 9/16/93

**Jackal MOA, AZ**

**Boundaries.** Beginning at lat. 32°40'30"N., long. 110°30'00"W.; to lat. 33°45'00"N., long. 110°30'00"W.; to lat. 34°00'00"N., long. 109°34'00"W.; to lat. 32°54'30"N., long. 109°34'00"W.; to lat. 32°30'00"N., long. 109°44'00"W.; to the point of beginning.

**Altitudes.** 11,000 feet MSL or 3,000 feet AGL whichever is higher to but not including FL 180.

**Times of use.** 0700-1800 Monday-Friday; 1800-2200 Monday-Friday by NOTAM; intermittent weekends by NOTAM.

**Controlling agency.** FAA, Albuquerque ARTCC

**Using agency.** U.S. Air Force, Commander, 162nd Fighter Group, Air National Guard, Tucson, AZ

ADDED 9/16/93

**Jarbidge MOA, ID**

**Boundaries:** Beginning at lat. 42°53'00"N, long. 115°24'18"W; to lat. 42°53'00"N, long. 115°23'00"W; to lat. 42°39'50"N, long. 115°02'00"W; to lat. 42°00'00"N, long. 115°02'00"W; to lat. 42°00'00"N, long. 116°00'00"W; to lat. 42°45'00"N, long. 116°00'00"W; to lat. 42°45'00"N, long. 115°42'23"W; to lat. 42°36'00"N, long. 115°42'23"W; to lat. 42°36'00"N, long. 115°24'18"W; to the point of beginning. Excluding that airspace (1) 1500 feet AGL and below within a 3NM radius of the Grasmere Airport, ID centered at lat. 42°22'00"N, long. 115°53'03"W; (2) 2000 feet AGL and below beginning at lat. 42°07'00"N, long. 115°02'00"W; to lat. 42°00'00"N, long. 115°02'00"W; to lat. 42°00'00"N, long. 115°26'00"W; to lat. 42°04'00"N, long. 115°26'00"W; to lat. 42°07'00"N, long. 115°20'00"W; to point of beginning. (3) below 500 feet AGL beginning at lat. 42°45'00"N, long. 116°00'00"W; to lat. 42°45'00"N, long. 115°46'40"W; to lat. 42°39'00"N, long. 116°00'00"W; to point of beginning.

**Altitudes.** 100 feet AGL to but not including FL 180.

**Times of use.** 0730-2200 Monday through Friday other times by NOTAM.

**Controlling agency.** FAA, Salt Lake City ARTCC.

**Using agency.** USAF, 366<sup>th</sup> Wing, Mountain Home AFB, ID.

ADDED 9/06/01

**Jena 1 MOA, LA**

**Boundaries.** Beginning at lat. 31°47'41"N., long. 92°58'31"W.; to lat. 32°11'46"N., long. 92°23'41"W.; to lat. 32°04'31"N., long. 91°56'30"W.; to lat. 32°00'01"N., long. 91°55'00"W.; to lat. 31°38'00"N., long. 92°15'44"W.; to lat. 31°38'00"N., long. 92°34'12"W.; to the point of beginning.

**Altitudes.** 100 feet AGL to 5,000 feet MSL. Excluding that airspace at and below 1,500 feet AGL within a 3-nautical-mile radius of: David G. Joyce Airport (OR5), Winnfield, LA (lat. 31°57'49"N., long. 92°39'37"W.); Olla Airport (LA32), Olla, LA (lat. 31°53'44"N., long. 92°13'04"W.); Columbia Airport (F86), Columbia, LA (lat. 32°07'20"N., long. 92°03'10"W.); Jena Airport (1R1), Jena, LA (lat. 31°40'16"N., long. 92°09'31"W.).

**Times of use.** 0800-2200 Monday-Friday; other times by NOTAM.

**Controlling agency.** FAA, Houston ARTCC

**Using agency.** U.S. Air Force, 917 Fighter Wing, Barksdale AFB, LA

REVISED 1/6/94

### **JPG A MOA, IN**

**Boundaries.** Beginning at 38°39'00"N lat., 85°56'00"W long., to 38°39'00"N lat., 86°05'13"W long., to 38°46'00"N lat., 86°13'00"W long., to 38°50'34"N lat., 86°00'53"W long., to 38°53'57"N lat., 85°51'51"W long.; to 39°01'00"N lat., 85°33'00"W long., to 39°02'05"N lat., 85°30'00"W long., to 39°02'57"N lat., 85°27'42"W long., to 38°55'00"N lat., 85°27'42"W long., to 38°50'00"N lat., 85°27'42"W long., to 38°48'00"N lat., 85°33'00"W long., to 38°42'38"N lat., 85°46'51"W long.; to 38°40'17"N lat., 85°52'43"W long., to the point of beginning.

**Designated altitudes.** 500' AGL up to but not including 6,000' MSL; excluding the airspace from the surface to but not including 4,000 feet MSL beginning at 38° 39' 00"N lat., 85°56'00"W long.; to 38°39'00"N lat., 86°05'13"W long.; to 38°46'00"N lat., 86° 13'00"W long.; to 38°50'34"N lat., 86°00'53"W long.; to 38°53'57"N lat., 85°51'51"W long.; thence south, southeast along the Louisville and Indiana railroad tracks; to 38°42'38"N lat., 85°46'51"W long.; to 38°40'17"N lat., 85°52'43"W long.; to point of beginning.

**Time of designation.** 0800-2300 local time daily; other times by NOTAM; JPG A MOA activated in conjunction with the Jefferson Gunnery Range.

**Controlling agency.** FAA, Indianapolis ARTCC

**Using agency.** HQ IN ANG Det 2, Madison, IN

ADDED 8/03/06

### **JPG B MOA, IN**

**Boundaries.** Beginning at 38°40'17"N lat., 85°52'43"W long., to 38°50'34"N lat., 86°00'53"W long., to 38°53'57"N lat., 85°51'51"W long.; to 39°01'00"N lat., 85°33'00"W long., to 38°48'00"N lat., 85°33'00"W long., to 38°42'38"N lat., 85°46'51"W long.; to the point of beginning.

**Designated altitudes.** 6,000' MSL up to but not including FL 180.

**Time of designation.** 0800-2300 local time daily; other times by NOTAM; JPG B MOA activated in conjunction with the Jefferson Gunnery Range.

**Controlling agency.** FAA, Indianapolis ARTCC

**Using agency.** HQ IN ANG Det 2, Madison, IN

ADDED 8/03/06

**JPG C MOA, IN**

**Boundaries.** Beginning at 38°48'00"N lat., 85°33'00"W long., to 39°01'00"N lat., 85°33'00"W long., to 39°02'05"N lat., 85°30'00"W long., to 38°57'30"N lat., 85°30'00"W long., to 38°55'00"N lat., 85°27'42"W long., to 38°50'00"N lat., 85°27'42"W long., to the point of beginning.

**Designated altitudes.** 6,000' MSL up to but not including FL 180.

**Time of designation.** 0800-2300 local time daily; other times by NOTAM; JPG C MOA activated in conjunction with the Jefferson Gunnery Range.

**Controlling agency.** FAA, Indianapolis ARTCC.

**Using agency.** HQ IN ANG Det 2, Madison, IN.

ADDED 8/03/06

**JPG D MOA, IN**

**Boundaries.** Beginning at 39°01'00"N lat., 85°33'00"W long., to 39°10'00"N lat., 85°33'00"W long., to 39°12'00"N lat., 85°29'00"W long., to 39°10'00"N lat., 85°22'00"W long., to 39°02'00"N lat., 85°22'00"W long., to 39°02'57"N lat., 85°27'42"W long., to 39°02'05"N lat., 85°30'00"W long., to the point of beginning.

**Designated altitudes.** 500' AGL up to but not including 4,000' MSL.

**Time of designation.** 0800-2300 local time daily; other times by NOTAM; JPG D MOA activated in conjunction with the Jefferson Gunnery Range.

**Controlling agency.** FAA, Indianapolis ARTCC.

**Using agency.** HQ IN ANG Det 2, Madison, IN.

ADDED 8/03/06

**Juniper Low MOA, OR**

**Boundaries.** Beginning at lat. 43°55'59"N., long. 120°44'04"W.; to lat. 43°57'05"N., long. 120°26'24"W.; to lat. 43°38'00"N., long. 119°34'04"W.; to lat. 42°46'00"N., long. 119°12'27"W.; to lat. 42°46'00"N., long. 120°20'01"W.; to the point of beginning.

**Altitudes.** 300 feet AGL to but not including 11,000 feet MSL. Excluding the airspace 1500 feet AGL and below within a 3nm radius of the center of the Alkali Lake State and Wagontire Airports, Oregon.

**Times of use.** By NOTAM 2 hours and 30 minutes in advance, during daylight hours. (NOTE: not to exceed 317 hours per year.)

**Controlling agency.** FAA, Seattle ARTCC.

**Using agency.** ANG 142nd Fighter Group, Portland International Airport, Portland, Oregon.

ADDED 10/13/94



**Juniper North MOA, OR**

**Boundaries.** Beginning at lat. 43°55'59"N., long. 120°44'04"W.; to lat. 43°57'05"N., long. 120°26'24"W.; to lat. 43°50'30"N., long. 120°07'48"W.; to lat. 43°21'00"N., long. 120°31'48"W.; thence to the point of beginning.

**Altitudes.** 11,000 feet MSL to but not including FL 180.

**Times of use.** Intermittent by NOTAM.

**Controlling agency.** FAA, Seattle ARTCC.

**Using agency.** 25th Air Division, McChord AFB, WA.

BOUNDARIES AND ALTITUDES CHANGED 4/18/02

**Juniper South MOA, OR**

**Boundaries.** Beginning at lat. 43°21'00"N., long. 120°31'48"W.; to lat. 43°50'30"N., long. 120°07'48"W.; to lat. 43°38'00"N., long. 119°34'00"W.; to lat. 42°40'00"N., long. 119°10'04"W.; to lat. 42°40'00"N., long. 120°18'04"W.; thence to the point of beginning.

**Altitudes.** 11,000 feet MSL to but not including FL 180

**Times of use.** Intermittent by NOTAM.

**Controlling agency.** FAA, Seattle ARTCC

**Using agency.** 25th Air Division, McChord AFB, WA.

BOUNDARIES AND ALTITUDES CHANGED 4/18/02

**Kane East MOA, CA**

**Boundaries.** Beginning at lat. 33°28'30"N., long. 115°42'13"W.; to lat. 33°23'00"N., long. 115°51'03"W.; to lat. 33°07'00"N., long. 115°51'03"W.; to lat. 32°56'00"N., long. 115°40'03"W.; to lat. 32°56'30"N., long. 115°27'03"W.; to lat. 33°23'40"N., long. 115°33'23"W.; to the point of beginning.

**Altitudes.** 10,000 feet MSL to but not including FL 180.

**Times of use.** 0500 to 2100 daily; other times by NOTAM.

**Controlling agency.** FAA, Los Angeles ARTCC

**Using agency.** U.S. Marine Corps, Marine Corps Air Station, Yuma, AZ

ADDED 9/16/93

**Kane South MOA, CA**

**Boundaries.** Beginning at lat. 32°56'00"N., long. 115°40'03"W.; to lat. 32°56'30"N., long. 115°27'03"W.; to lat. 32°51'00"N., long. 115°26'03"W.; to lat. 32°50'28"N., long. 115°45'13"W.; thence clockwise along the arc of a 4.3 NM radius circle centered at lat. 32°49'20"N., long. 115°40'18"W.; to lat. 32°53'45"N., long. 115°40'18"W.; to the point of beginning.

**Altitudes.** 10,000 feet MSL to but not including FL 180.

**Times of use.** 0500 to 2100 daily; other times by NOTAM.

**Controlling agency.** FAA, Los Angeles ARTCC.

**Using agency.** U.S. Marine Corps, Marine Corps Air Station, Yuma, AZ.

ADDED 9/16/93

### **Kane West MOA, CA**

**Boundaries.** Beginning at lat. 33°28'30"N., long. 115°42'13"W.; to lat. 33°23'00"N., long. 115°51'03"W.; to lat. 33°07'00"N., long. 115°51'03"W.; to lat. 32°56'00"N., long. 115°40'03"W.; to lat. 32°53'45"N., long. 115°40'18"W.; thence counterclockwise along the arc of a 4.3 NM radius circle centered at lat. 32°49'20"N., long. 115°40'18"W.; to lat. 32°50'28"N., long. 115°45'13"W.; to lat. 32°50'00"N., long. 116°01'03"W.; to lat. 32°57'00"N., long. 116°10'03"W.; to lat. 33°18'00"N., long. 116°10'03"W.; to lat. 33°28'30"N., long. 115°51'33"W.; to the point of beginning excluding R-2510.

**Altitudes.** 10,000 feet MSL to but not including FL 180.

**Times of use.** 0500 to 2100 daily; other times by NOTAM.

**Controlling agency.** FAA, Los Angeles ARTCC.

**Using agency.** U.S. Marine Corps, Marine Corps Air Station, Yuma, AZ.

ADDED 9/16/93

### **Kingsville 1 MOA, TX**

**Boundaries.** Beginning at lat. 27°16'06"N., long. 99°07'36"W.; thence the Laredo VORTAC 20-mile arc counterclockwise to lat. 27°29'01"N., long. 99°02'34"W.; to lat. 27°40'56"N., long. 98°07'29"W.; thence the Laredo VORTAC 70-mile arc clockwise to lat. 27°24'33"N., long. 98°06'31"W.; to lat. 27°23'33"N., long. 97°44'04"W.; thence the Laredo VORTAC 90-mile arc clockwise to lat. 26°21'27"N., long. 98°17'56"W.; to the point of beginning.

**Altitudes.** From 8,000 feet up to but not including FL 180.

**Times of use.** Sunrise-2400 Monday-Friday; sunrise-sunset Saturday; and 1000-2400 Sunday; other times by NOTAM.

**Controlling agency.** FAA, Houston ARTCC

**Using agency.** Commander, Training Wing Two, Naval Air Station, Kingsville, TX

### **Kingsville 2 MOA, TX**

**Boundaries.** Beginning at lat. 27°40'56"N., long. 98°07'29"W.; to lat. 27°45'44"N., long. 97°45'33"W.; thence the Laredo VORTAC 90-mile arc clockwise to lat. 27°23'33"N., long. 97°44'04"W.; to lat. 27°24'33"N., long. 98°06'31"W.; thence the Laredo VORTAC 70-mile arc counterclockwise to the point of beginning.

**Altitudes.** From 13,000 feet up to but not including FL 180.

**Times of use.** Sunrise-2400 Monday-Friday; sunrise-sunset Saturday; and 1000-2400 Sunday; other times by NOTAM.

**Controlling agency.** FAA, Houston ARTCC.

**Using agency.** Commander, Training Wing Two, Naval Air Station, Kingsville, TX.

### **Kingsville 3 MOA, TX**

**Boundaries.** Beginning at lat. 28°34'42"N., long. 98°37'42"W.; thence clockwise along the 78-mile arc of the Laredo VORTAC to lat. 27°52'24"N., long. 98°01'19"W.; to lat. 27°38'45"N., long. 99°05'34"W.; thence counterclockwise along the 20-mile arc of the Laredo VORTAC to lat. 27°44'49"N., long. 99°11'37"W.; to lat. 28°12'31"N., long. 98°55'01"W.; to the point of beginning.

**Altitudes.** From 8,000 feet MSL up to but not including FL 180.

**Times of use.** Sunrise-2400 Monday-Friday; 1400-2400 Sunday; other times by NOTAM.

**Controlling agency.** FAA, Houston ARTCC

**Using agency.** Chief, Naval Air Training, Corpus Christi, TX

ADDED 3/30/95

### **Kingsville 4 MOA, TX**

**Boundaries.** Beginning at lat. 29°04'43"N., long. 97°29'54"W.; thence clockwise along the 61 NM arc of the San Antonio, TX, VORTAC, to lat. 28°40'06"N., long. 98°07'32"W.; to lat. 28°32'31"N., long. 98°04'31"W.; to lat. 28°09'42"N., long. 97°37'35"W.; to lat. 28°10'40"N., long. 97°17'10"W.; to lat. 28°41'20"N., long. 96°51'13"W.; to the point of beginning.

**Altitudes.** 9,000 feet MSL to, but not including, FL 180.

**Times of use.** Sunrise-2400, local time, Monday-Friday; 1400-2400, Sunday; other times by NOTAM.

**Controlling agency.** FAA, Houston ARTCC.

**Using agency.** U.S. Navy, CNATRA, Corpus Christi, TX.

AMENDED 4/15/04

### **Kingsville 5 MOA, TX**

**Boundaries.** Beginning at lat. 29°11'46"N., long. 96°59'26"W.; thence clockwise along the 70 NM arc of the Randolph, TX TACAN, to lat. 28°52'43"N., long. 97°09'58"W.; to lat. 28°41'20"N., long. 96°51'13"W.; to lat. 28°58'14"N., long. 96°38'41"W.; to lat. 29°07'27"N., long. 96°45'34"W.; to the point of beginning.

**Altitudes.** From 9,000 feet MSL to but not including FL 180.

**Times of use.** Sunrise-2400, local time, Monday-Friday; 1400-2400, Sunday; other times by NOTAM.

**Controlling agency.** FAA, Houston ARTCC.

**Using agency.** U.S. Navy, CNATRA, Corpus Christi, TX.

AMENDED 4/15/04

### **La Veta High MOA, CO**

**Boundaries.** Beginning at lat. 38°15'30"N., long. 104°55'02"W.; to lat. 38°17'00"N., long. 105°19'02"W.; to lat. 37°50'00"N., long. 105°30'02"W.; to lat. 37°36'00"N., long. 105°30'02"W.; to lat. 37°36'00"N., long. 105°05'02"W.; to lat. 37°40'30"N., long. 104°45'02"W.; to lat. 37°55'00"N., long. 104°38'02"W.; to lat. 38°04'00"N., long. 104°49'02"W.; to the point of beginning.

**Altitudes.** 13,000 feet MSL to but not including FL 180.

**Times of use.** 0700-1600 Monday-Friday (excluding holidays); other times by NOTAM.

**Controlling agency.** FAA, Denver ARTCC and FSS

**Using agency.** 140 Tactical Fighter Wing, Buckley Air National Guard Base, CO.

### **La Veta Low MOA, CO**

**Boundaries.** Beginning at lat. 38°15'30"N., long. 104°55'02"W.; to lat. 38°04'00"N., long. 104°49'02"W.; to lat. 38°00'55"N., long. 104°45'15"W.; to lat. 37°55'00"N., long. 105°00'02"W.; to lat. 38°14'53"N., long. 105°07'26"W.; to lat. 38°16'12"N., long. 105°06'04"W.; thence to point of beginning.

**Altitudes.** 1,500 feet AGL to but not including 13,000 feet MSL.

**Times of use.** Intermittent by NOTAM.

**Controlling agency.** FAA, Denver ARTCC.

**Using agency.** 140 Tactical Fighter Wing, Buckley Air National Guard Base, CO.

ALTITUDES CHANGED 2/14/08

### **Lake Andes MOA, SD**

**Boundaries.** Beginning at lat. 43°35'00"N., long. 98°09'00"W.; to lat. 43°38'00"N., long. 99°16'00"W.; to lat. 43°39'37"N., long. 100°00'00"W. to lat. 43°30'00"N., long. 100°00'00"W.; to lat. 42°58'00"N., long. 99°32'00"W.; to lat. 42°42'00"N., long. 98°42'00"W.; to lat. 43°13'00"N., long. 97°52'00"W.; to the point of beginning.

**Altitudes.** 6,000 feet MSL to but not including FL 180.

**Time of use.** 0900-1200, 1400-1700 Tuesday-Saturday; Other times by NOTAM.

**Controlling agency.** FAA, Minneapolis ARTCC.

**Using agency.** 114th Fighter Group, Sioux Falls, SD.

REMOVED NOTE 11/30/00

**Lake Placid MOA, FL**

**Boundaries.** Beginning at lat. 27°53'31"N., long. 81°51'59"W.; to lat. 28°00'01"N., long. 81°20'59"W.; to lat. 27°44'46"N., long. 81°20'59"W.; to lat. 27°44'46"N., long. 81°25'19"W.; to lat. 27°42'01"N., long. 81°25'19"W.; to lat. 27°32'33"N., long. 81°21'39"W.; to lat. 27°32'41"N., long. 81°16'49"W.; to lat. 27°29'01"N., long. 81°13'29"W.; to lat. 27°15'01"N., long. 81°04'59"W.; to lat. 27°04'01"N., long. 81°16'59"W.; to lat. 27°04'01"N., long. 81°24'59"W.; to the point of beginning.

**Altitudes.** 7,000 feet MSL to but not including FL 180.

**Times of use.** Intermittent, sunrise-sunset, Monday-Friday; by NOTAM Saturday and Sunday.

**Controlling agency.** FAA, Miami ARTCC.

**Using agency.** 56 Tactical Training Wing, MacDill AFB, TX.

TIMES OF USE CHANGED 1/15/09

**Lancer MOA, TX**

**Boundaries.** Beginning at lat. 33°16'00"N., long. 101°53'00"W.; to lat. 33°16'00"N.; long. 100°33'00"W.; to lat. 32°58'00"N.; long. 100°20'00"W.; to lat. 32°33'00"N.; long. 100°23'00"W.; to lat. 32°35'00"N.; long. 101°57'00"W.; to the point of beginning.

**Altitudes.** 6,200 feet MSL up to, but not including FL 180.

**Times of use.** 0900-0000 local time, Monday-Friday; other times by NOTAM.

**Controlling agency.** FAA, Fort Worth ARTCC.

**Using agency.** U.S. Air Force, 7<sup>th</sup> Bomb Wing, Dyess AFB, TX.

ADDED 2/21/02

**Laughlin 1 MOA, TX**

**Boundaries.** Beginning at a point on the US/Mexico border 20 NM northwest of the Laughlin (DLF) VORTAC lat. 29°21'39"N., long. 100°46'18"W.; thence northwest via the US/Mexico border to a point 90 NM northwest of the DLF VORTAC; thence clockwise via the 90 NM arc of the DLF VORTAC to the DLF 308° radial; thence southeast via the DLF 308° radial to the DLF 308/85 NM; thence clockwise via the 85 NM arc of the DLF VORTAC to the DLF 327° radial; thence southeast via the DLF 327° radial to the DLF 327/80 NM; thence clockwise via the 80 NM arc of the DLF VORTAC to the DLF 339° radial; thence southeast via the DLF 339° radial to the DLF 339/75 NM; thence clockwise via the 75 NM arc of the DLF VORTAC to the DLF 030° radial; thence southwest via the DLF 030° radial to the DLF 030/59 NM; thence clockwise via the 59 NM arc of the DLF VORTAC to the DLF 033° radial; thence southwest via the DLF 033° radial to the DLF 033/20 NM; thence counterclockwise via 20 NM arc of the DLF VORTAC; to the point of beginning.

**Altitudes.** 9,000 feet MSL up to, but not including FL 180.

**Times of use.** 0600-2000 Monday-Friday; other times by NOTAM.

**Controlling Agency.** FAA, Houston ARTCC.

**Using Agency.** U.S. Air Force, 47<sup>th</sup> FTW, Laughlin AFB, TX

REVISED 2/21/02

**Laughlin 2 MOA, TX**

**Boundaries.** Beginning at a point on the United States/Mexico border 18 NM southeast of the Laughlin (DLF) VORTAC (lat. 29°21'39"N., long. 100°46'18"W.); thence along the United States/Mexico border to a point 49 NM southeast of the DLF VORTAC; thence counterclockwise via the 49 NM arc to the DLF VORTAC 095° radial; thence via the 095° radial to the DLF 095/59 NM; thence counterclockwise via the 59 NM arc to the DLF VORTAC 055° radial; thence southwest via the 055° radial to the DLF 055/15 NM; thence clockwise via the 15 NM arc of the DLF VORTAC; to the DLF VORTAC 095° radial; thence east via the 095° radial to the DLF 095/18 NM; thence clockwise via the DLF 18 NM arc to the point of beginning.

**Altitudes.** 7,000 feet MSL to, but not including, FL 180.

**Times of use.** 0600-2000 Monday-Friday; other times by NOTAM.

**Controlling agency.** FAA, Houston ARTCC.

**Using agency.** 47th Flying Training Wing, Laughlin AFB, TX.

**Laughlin 3 High MOA, TX**

**Boundaries.** Beginning at Laughlin (DLF) VORTAC 117/49 NM lat. 28°59'12"N., long. 99°56'31"W.; thence via the 117° radial of the DLF VORTAC to the DLF 117/60 NM lat. 28°54'07"N.; long. 99°45'24"W. thence clockwise via the 60 NM arc of the DLF VORTAC to the US/Mexico border lat. 28°25'59"N.; long. 100°20'21"W.; thence north via the US/Mexico border to the 49 NM arc of the DLF VORTAC lat. 28°35'53"N.; long. 100°25'56"W.; thence counterclockwise via the 49 NM arc of DLF VORTAC to the point of beginning.

**Altitudes.** 15,000 feet MSL up to, but not including FL 180.

**Times of use.** 0600-2000 local, Monday-Friday; other times by NOTAM.

**Controlling Agency.** FAA, Houston ARTCC.

**Using Agency.** 149<sup>th</sup> Fighter Wing, Texas Air National Guard, Kelly AFB.

TIMES OF USE CHANGED 1/23/03

**Laughlin 3 Low MOA, TX**

**Boundaries.** Beginning at Laughlin (DLF) VORTAC 117/49 NM lat. 28°59'12"N., long. 99°56'31"W.; thence via the 117° radial of the DLF VORTAC to the DLF 117/60 NM lat. 28°54'07"N.; long. 99°45'24"W. thence clockwise via the 60 NM arc of the DLF VORTAC to the US/Mexico border lat. 28°25'59"N.; long. 100°20'21"W.; thence north via the US/Mexico border to the 49 NM arc of the DLF VORTAC lat. 28°35'53"N.; long. 100°25'56"W.; thence counterclockwise via the 49 NM arc of DLF VORTAC to the point of beginning.

**Altitudes.** 7,000 feet MSL up to, but not including 15,000 feet MSL.

**Times of use.** 0600-2000 local, Monday-Friday; other times by NOTAM.

**Controlling Agency.** FAA, Houston ARTCC.

**Using Agency.** 149<sup>th</sup> Fighter Wing, Texas Air National Guard, Kelly AFB.

TIMES OF USE CHANGED 1/23/03

**Lemoore A MOA, CA**

**Boundaries.** Beginning at lat. 36°39'44"N.; long. 120°36'29"W., to lat. 36°24'02"N.; long. 120°24'52"W., to lat. 36°30'05"N.; long. 120°03'18"W., to lat. 36°44'10"N.; long. 120°11'23"W., to point of beginning.

**Altitudes.** From 5,000 feet MSL to but not including FL 180

**Times of use.** 0800-2300, Monday-Thursday; 0800-1800, Friday; 1000-1800, one Saturday per month, by NOTAM; 1300-2100, one Sunday per month, by NOTAM; other times by NOTAM.

**Controlling agency.** FAA, Oakland ARTCC.

**Using agency.** U.S. Navy Strike Fighter Wing, Lemoore NAS, CA.

TIMES OF USE CHANGED 1/15/09

**Lemoore B MOA, CA**

**Boundaries.** Beginning at lat. 36°24'02"N.; long. 120°24'52"W., to lat. 36°04'00"N.; long. 120°10'10"W., to lat. 36°04'02"N.; long. 119°48'22"W., to lat. 36°30'05"N.; long. 120°03'18"W., to point of beginning.

**Altitudes.** From 13,000 feet MSL to but not including FL 180

**Times of use.** 0800-2300, Monday-Thursday; 0800-1800, Friday; 1000-1800, one Saturday per month, by NOTAM; 1300-2100, one Sunday per month, by NOTAM; other times by NOTAM.

**Controlling agency.** FAA, Oakland ARTCC

**Using agency.** U.S. Navy Strike Fighter Wing, Lemoore NAS, CA

TIMES OF USE CHANGED 1/15/09

**Lemoore C MOA, CA**

**Boundaries.** Beginning at lat. 36°44'10"N.; long. 120°11'23"W., to lat. 36°04'02"N.; long. 119°48'22"W., to lat. 36°04'01"N.; long. 119°29'49"W., to lat. 36°34'28"N.; long. 119°45'51"W., to point of beginning.

**Altitudes.** From 16,000 feet MSL to but not including FL 180

**Times of use.** 0800-2300, Monday-Thursday; 0800-1800, Friday; 1000-1800, one Saturday per month, by NOTAM; 1300-2100, one Sunday per month, by NOTAM; other times by NOTAM.

**Controlling agency.** FAA, Oakland ARTCC.

**Using agency.** U.S. Navy Strike Fighter Wing, Lemoore NAS, CA.

TIMES OF USE CHANGED 1/15/09

**Lemoore D, CA**

**Boundaries.** Beginning at lat. 36°04'00"N.; long. 120°10'10"W., to lat. 35°43'11"N.; long. 119°55'03"W., to lat. 35°39'39"N.; long. 119°34'35"W., to lat. 36°04'02"N.; long. 119°48'22"W., to point of beginning.

**Altitudes.** From 5,000 feet MSL to but not including FL 180.

**Times of use.** 0800-2300, Monday-Thursday; 0800-1800, Friday; 1000-1800, one Saturday per month, by NOTAM; 1300-2100, one Sunday per month, by NOTAM; other times by NOTAM.

**Controlling agency.** FAA, Oakland ARTCC.

**Using agency.** U.S. Navy Strike Fighter Wing, Lemoore NAS, CA.

TIMES OF USE CHANGED 1/15/09

### **Lemoore E, CA**

**Boundaries.** Beginning at lat. 36°04'02"N.; long. 119°48'22"W., to lat. 35°39'39"N.; long. 119°34'35"W., to lat. 35°38'43"N.; long. 119°29'25"W., to lat. 35°49'40"N.; long.

119°22'20"W., to lat. 36°04'01"N.; long. 119°29'49"W., to point of beginning.

**Altitudes.** From 5,000 feet MSL to but not including FL 180

**Times of use.** 0800-2300, Monday-Thursday; 0800-1800, Friday; 1000-1800, one Saturday per month, by NOTAM; 1300-2100, one Sunday per month, by NOTAM; other times by NOTAM.

**Controlling agency.** FAA, Oakland ARTCC.

**Using agency.** U.S. Navy Strike Fighter Wing, Lemoore NAS, CA.

TIMES OF USE CHANGED 1/15/09

### **Lincoln MOA, NE**

**Boundaries.** Beginning at lat. 40°24'00"N., long. 98°10'01"W.; to lat. 40°39'00"N., long. 97°18'31"W.; to lat. 40°27'30"N., long. 97°00'01"W.; to lat. 40°12'00"N., long. 97°00'01"W.; to lat. 40°03'00"N., long. 98°10'01"W.; to the point of beginning.

**Altitudes.** 8,000 feet MSL to but not including FL 180.

**Times of use.** By NOTAM (normally 0900-1600 Tuesday-Sunday).

**Controlling agency.** FAA, Minneapolis ARTCC.

**Using agency.** Commander, 155 Tactical Reconnaissance Group, Air National Guard, Lincoln Municipal Airport, Lincoln, NE.

### **Lindbergh A MOA, MO**

**Boundaries.** Beginning at lat. 37° 21'00"N, long. 092°03'15"W.; to lat. 37° 39'50"N., long. 091° 53'02"W.; to lat. 37° 51'36"N., long. 091° 01'04"W.; to lat. 37° 46'42"N., long. 090° 46'06"W.; to lat. 37° 10'23"N., long. 090° 52'14"W.; to lat. 36° 59'26"N., long. 092° 03'15"W.; to the point of beginning.

**Altitudes.** 7,000 feet MSL to but not including FL 180.

**Times of use.** 0900-1030 and 1300-1430 Monday-Friday; by NOTAM 0900-1030 and 1300-1430 Saturday-Sunday, one weekend per month; by NOTAM 1800-2100 Monday-Friday, two months a year; other times by NOTAM.

**Controlling agency.** FAA, Kansas City ARTCC.

**Using agency.** Missouri Air National Guard, 131st Fighter Wing, Lambert-St. Louis International Airport, MO.

REVISED 6/10/04



**Lindbergh B MOA, MO**

**Boundaries.** Beginning at lat. 36° 59'26"N., long. 092°03'15"W.; to lat. 37° 10'23"N., long. 090° 52'14"W.; to lat. 36° 55'21"N., long. 090° 54'50"W.; to lat. 36° 45'00"N., long. 092° 03'15"W.; to the point of beginning.

**Altitudes.** 8,000 feet MSL to but not including FL 180.

**Times of use.** 0900-1030 and 1300-1430 Monday-Friday; by NOTAM 0900-1030 and 1300-1430 Saturday-Sunday, one weekend per month; by NOTAM 1800-2100 Monday-Friday, two months a year; other times by NOTAM.

**Controlling agency.** FAA, Kansas City ARTCC.

**Using agency.** Missouri Air National Guard, 131st Fighter Wing, Lambert-St. Louis International Airport, MO.

REVISED 6/10/04

**Lindbergh C MOA, MO**

**Boundaries.** Beginning at lat. 36° 45'00"N., long. 092° 03'15"W.; to lat. 36° 55'21"N., long. 090° 54'50"W.; to lat. 36° 38'00"N., long. 090° 58'00"W.; to lat. 36° 38'00"N., long. 091°50'00"W.; to the point of beginning.

**Altitudes.** 8,000 feet MSL to but not including FL 180.

**Times of use.** 0900-1030 and 1300-1430 Monday-Friday; by NOTAM 0900-1030 and 1300-1430 Saturday-Sunday, one weekend per month; by NOTAM 1800-2100 Monday-Friday, two months a year; other times by NOTAM.

**Controlling agency.** FAA, Kansas City ARTCC.

**Using agency.** Missouri Air National Guard, 131st Fighter Wing, Lambert-St. Louis International Airport, MO.

REVISED 6/10/04

**Live Oak MOA, FL**

**Boundaries.** Beginning at lat. 30°23'01"N., long. 82°39'59"W.; to lat. 30°14'01"N., long. 82°38'59"W.; to lat. 29°48'01"N., long. 82°40'19"W.; to lat. 29°48'01"N., long. 83°05'59"W.; to lat. 30°23'01"N., long. 83°33'00"W.; to the point of beginning.

**Altitudes.** 8,000 feet MSL to but not including FL 180.

**Times of use.** 0600-0200 Monday-Friday; other times by NOTAM.

**Controlling agency.** FAA, Jacksonville ARTCC.

**Using agency.** U.S. Air Force, U.S. Air Force, 23<sup>rd</sup> Wing, Moody AFB, GA.

USING AGENCY CHANGED 1/18/07

**Lowville MOA, NY**

**Boundaries.** Beginning at lat. 43°44'00"N., long. 75°52'00"W.; to lat. 43°53'00"N., long. 75°35'00"W.; to lat. 43°53'00"N., long. 75°03'00"W.; to lat. 43°30'00"N., long. 75°03'00"W.; to lat. 43°30'00"N., long. 75°52'00"W.; to the point of beginning.

**Altitudes.** 100 feet AGL to but not including FL 180.

**Times of use.** May 1-August 31: 0800-1700 Monday-Friday; other times by NOTAM.  
September 1-April 30: 0800-2200 Monday-Friday; other times by NOTAM.

**Controlling agency.** FAA, Boston ARTCC.

**Using agency.** NY ANG, 174FW/Det 1, Fort Drum, NY

ADDED 11/20/08

### **Lucin A MOA, UT**

**Boundaries.** Beginning at lat. 40°49'00"N., long. 113°40'03"W.; to lat. 40°59'30"N., long. 114°15'03"W.; to lat. 41°11'30"N., long. 114°15'03"W.; to lat. 41°14'13"N., long. 114°00'03"W.; to lat. 41°23'00"N., long. 114°00'03"W.; lat. 41°52'30"N., long. 113°15'03"W.; lat. 41°57'00"N., long. 113°27'03"W.; lat. 41°52'30"N., long. 113°55'23"W.; lat. 41°40'00"N., long. 114°30'03"W.; lat. 40°54'00"N., long. 114°26'03"W.; to the point of beginning.

**Altitudes.** 100 feet AGL to 9,000 feet MSL.

**Times of use.** 0500-2000 Monday-Saturday; other times by NOTAM.

**Controlling agency.** FAA, Salt Lake City ARTCC.

**Using agency.** 6501 Range Squadron (AFSC), Hill AFB, UT 84406.

### **Lucin B MOA, UT**

**Boundaries.** Beginning at lat. 41°14'13"N., long. 114°00'03"W.; to lat. 41°23'00"N., long. 114°00'03"W.; to lat. 41°52'30"N., long. 113°15'03"W.; to lat. 41°12'35"N., long. 113°00'16"W.; to lat. 41°16'00"N., long. 113°50'03"W.; to the point of beginning.

**Altitudes.** 100 feet AGL to 7,500 feet MSL.

**Times of use.** 0500-2000 Monday-Saturday; other times by NOTAM.

**Controlling agency.** FAA, Salt Lake City ARTCC

**Using agency.** 6501 Range Squadron (AFSC), Hill AFB, UT 84406

### **Lucin C MOA, UT**

**Boundaries.** Beginning at lat. 40°53'00"N., long. 114°17'03"W.; to lat. 40°36'00"N., long. 114°17'03"W.; to lat. 40°36'00"N., long. 114°26'03"W.; to lat. 40°54'00"N., long. 114°26'03"W.; to the point of beginning.

**Altitudes.** 100 feet AGL to 6,500 feet MSL.

**Times of use.** 0500-2000 Monday-Saturday; other times by NOTAM.

**Controlling agency.** FAA, Salt Lake City ARTCC.

**Using agency.** 6501 Range Squadron (AFSC), Hill AFB, UT 84406.

### **Marian MOA, FL**

**Boundaries.** Beginning at lat. 27°44'46"N., long. 81°08'29"W.; to lat. 27°44'41"N., long. 81°03'59"W.; to lat. 27°41'21"N., long. 80°53'59"W.; to lat. 27°30'01"N., long. 80°48'19"W.; to lat. 27°23'16"N., long. 80°56'59"W.; to lat. 27°34'01"N., long. 81°04'29"W.; to the point of beginning.

**Altitudes.** 500 feet AGL to 5,000 feet MSL, inclusive.

**Times of use.** Intermittent, sunrise-sunset, Monday-Friday; by NOTAM Saturday and Sunday.

**Controlling agency.** FAA, Miami ARTCC

**Using agency.** Commander, 549th Tactical Air Support Squadron, Patrick AFB, FL

TIMES OF USE CHANGED 1/15/09

### **Maxwell 1 MOA, CA**

**Boundaries.** Beginning at lat. 39°16'58"N, long.122°25'53"W; to lat. 39°11'38"N, long.122°57'20"W; thence clockwise on the Maxwell VORTAC 35 NM arc to lat. 39°53'19"N, long.122°22'45"W; to lat. 39°28'51"N, long.122°15'59"W; thence counterclockwise on the Maxwell VORTAC 10 NM arc to the point of beginning.

**Altitude.** 11,000 MSL or 3,000 AGL whichever is higher to but not including FL 180.

**Times of use.** 0500-2000 Monday-Friday; other times by NOTAM.

**Controlling agency.** FAA, Oakland ARTCC.

**Using agency.** USAF, 9<sup>th</sup> Operations Group (9<sup>th</sup> OSS/OSAA) Beale AFB, CA.

ALTITUDE AND USING AGENCY CHANGED 6/15/00

### **Maxwell 2 MOA, CA**

**Boundaries.** Beginning at lat. 39°38'02"N, long.122°51'17"W; to lat. 39°51'27"N, long.123°18'38"W; thence clockwise on the Maxwell VORTAC 60 NM arc to lat. 40°17'46"N, long.122°29'36"W; to lat. 39°53'19"N, long.122°22'45"W; thence counterclockwise on the Maxwell VORTAC 35 NM arc to the point of beginning.

**Altitude.** 11,000 MSL or 3,000 AGL whichever is higher to but not including FL 180.

**Times of use.** 0500-2000 Monday-Friday; other times by NOTAM.

**Controlling agency.** FAA, Oakland ARTCC.

**Using agency.** USAF, 9<sup>th</sup> Operations Group (9<sup>th</sup> OSS/OSAA) Beale AFB, CA.

ALTITUDE AND USING AGENCY CHANGED 6/15/00

### **Maxwell 3 MOA, CA**

**Boundaries.** Beginning at lat. 39°11'38"N, long.122°57'20"W; to lat. 39°06'10"N, long.123°28'41"W; thence clockwise on the Maxwell VORTAC 60 NM arc to lat. 39°51'27"N, long.123°18'38"W; to lat. 39°38'02"N, long.122°51'17"W; thence counterclockwise on the Maxwell VORTAC 35 NM arc to the point of beginning.

**Altitude.** 11,000 MSL or 3,000 AGL whichever is higher to but not including FL 180.

**Times of use.** 0500-2000 Monday-Friday; other times by NOTAM.

**Controlling agency.** FAA, Oakland ARTCC.

**Using agency.** USAF, 9<sup>th</sup> Operations Group (9<sup>th</sup> OSS/OSAA) Beale AFB, CA.

ALTITUDE AND USING AGENCY CHANGED 6/15/00

**Mayport High MOA, FL**

**Boundaries.** Beginning at lat. 30°32'01"N., long. 81°21'14"W.; to lat. 30°29'50"N., long. 81°20'58"W.; thence clockwise via an 8.5-statute-mile radius arc of NAS Mayport (centered at lat. 30°23'31"N., long. 81°25'25"W.; to lat. 30°19'24"N., long. 81°18'20"W.; to lat. 30°21'21"N., long. 81°25'39"W.; to lat. 30°22'11"N., long. 81°26'29"W.; to lat. 30°27'01"N., long. 81°26'14"W.; to the point of beginning.

**Altitudes.** 3,000 feet MSL to but not including FL 180.

**Times of use.** Intermittent by NOTAM, 1800-2200, not to exceed 8 one-hour block times per month.

**Controlling agency.** FAA, Jacksonville ARTCC.

**Using agency.** U.S. Navy, Fleet Area Control and Surveillance Facility, NAS Jacksonville, FL.

ADDED 8/15/96

**Mayport Low MOA, FL**

**Boundaries.** Beginning at lat. 30°32'01"N., long. 81°21'14"W.; to lat. 30°29'50"N., long. 81°20'58"W.; thence clockwise via an 8.5-statute-mile radius arc of NAS Mayport (centered at lat. 30°23'31"N., long. 81°25'25"W.; to lat. 30°19'24"N., long. 81°18'20"W.; to lat. 30°21'21"N., long. 81°25'39"W.; to lat. 30°22'11"N., long. 81°26'29"W.; to lat. 30°27'01"N., long. 81°26'14"W.; to the point of beginning.

**Altitudes.** 500 feet MSL to but not including 3,000 feet MSL.

**Times of use.** Intermittent by NOTAM, 0800-2200, not to exceed 30 one-hour block times per month.

**Controlling agency.** FAA, Jacksonville Approach Control.

**Using agency.** U.S. Navy, Fleet Area Control and Surveillance Facility, NAS Jacksonville, FL.

ADDED 8/15/96

**Meridian 1 East MOA, MS**

**Boundaries.** Beginning at lat. 33°25'00"N., long. 88°00'00"W.; to lat. 33°18'30"N., long. 87°49'00"W.; to lat. 33°11'00"N., long. 87°48'30"W.; to lat. 33°07'30"N., long. 87°53'30"W.; to lat. 33°03'35"N., long. 87°59'10"W.; to lat. 32°51'10"N., long. 88°17'16"W.; thence via a 45 DME arc clockwise of the Crimson VORTAC; to lat. 33°23'47"N., long. 88°25'01"W.; to the point of beginning.

**Altitudes.** 8,000 feet MSL to but not including FL 180.

**Times of use.** Sunrise-sunset, normally Monday-Friday; other times by NOTAM.

**Controlling agency.** FAA, Memphis ARTCC

**Using agency.** Commander, Training Wing One, Naval Air Station, Meridian, MS

BOUNDARIES CHANGED 9/4/03

**Meridian 1 West MOA, MS**

**Boundaries.** Beginning at lat. 33°23'47"N., long. 88°25'01"W.; to lat. 33°23'30"N., long. 88°31'00"W.; to lat. 33°23'00"N., long. 89°59'30"W.; to lat. 33°05'35"N., long. 90°01'40"W.; to lat. 33°00'10"N., long. 89°59'15"W.; to lat. 32°53'00"N., long. 90°01'00"W.; to lat. 32°34'31"N., long. 89°56'00"W.; to lat. 32°32'01"N., long. 89°06'10"W.; to lat. 32°34'01"N., long. 88°54'05"W.; to lat. 32°34'01"N., long. 88°42'00"W.; to lat. 32°51'10"N., long. 88°17'16"W.; thence via a 45-DME arc clockwise of the Crimson VORTAC; to the point of beginning.

**Altitudes.** 8,000 feet MSL to but not including FL 180.

**Times of use.** Intermittent, sunrise-2300, Sunday-Friday; other times by NOTAM.

**Controlling agency.** FAA, Memphis ARTCC.

**Using agency.** Commander, Training Wing One, Naval Air Station, Meridian, MS.

BOUNDARIES CHANGED 9/4/03

**Minnow MOA, WI**

**Boundaries.** Beginning at lat. 44°05'30"N., long. 87°29'45"W.; to lat. 44°01'14"N., long. 86°56'38"W.; to lat. 43°41'00"N., long. 86°38'00"W.; to lat. 43°17'00"N., long. 86°44'00"W.; to lat. 43°15'30"N., long. 87°14'00"W.; to lat. 43°19'00"N., long. 87°41'00"W.; to the point of beginning.

**Altitudes.** 10,000 feet MSL to but not including FL 180, excluding that airspace within R-6903 when activated.

**Time of designation.** Intermittent by NOTAM (normally daylight hours).

**Controlling Agency.** FAA, Minneapolis ARTCC.

**Using Agency.** Air National Guard Combat Readiness Training Center, Volk Field, WI.

CONTROLLING AGENCY CHANGED 11/20/08

**Misty 1 MOA, NY**

**Boundaries.** Beginning at lat. 43°37'30"N., long. 78°41'59"W.; to lat. 43°37'30"N., long. 77°59'59"W.; to lat. 43°24'00"N., long. 77°59'59"W.; to lat. 43°15'00"N., long. 78°11'59"W.; to lat. 43°15'00"N., long. 78°16'59"W.; to lat. 43°20'30"N., long. 78°34'29"W.; to lat. 43°26'00"N., long. 78°44'59"W.; to lat. 43°36'00"N., long. 78°44'59"W.; thence to the point of beginning.

**Altitudes.** 4,000 feet MSL up to but not including 18,000 feet MSL.

**Times of use.** 0800-2200 Monday-Friday; 0800-1600 Saturday and Sunday; other times by NOTAM.

**Controlling agency.** FAA, Cleveland ARTCC

**Using agency.** Air National Guard, 174<sup>th</sup> Fighter Wing, Hancock Field, NY.

USING AGENCY CHANGED 12/30/99

**Misty 2 MOA, NY**

**Boundaries.** Beginning at lat. 43°37'30"N., long. 77°59'59"W.; to lat. 43°37'30"N., long. 76°46'59"W.; to lat. 43°24'00"N., long. 76°46'59"W.; to lat. 43°24'00"N., long. 77°59'59"W.; to the point of beginning.

**Altitudes.** 300 feet AGL up to but not including 18,000 feet MSL.

**Times of use.** 0800-2200, Monday-Friday; 0800-1600, Saturday and Sunday; other times by NOTAM.

**Controlling agency.** FAA, Cleveland ARTCC

**Using agency.** Air National Guard, 174<sup>th</sup> Fighter Wing, Hancock Field, NY.

USING AGENCY CHANGED 12/30/99

**Misty 3 MOA, NY**

**Boundaries.** Beginning at lat. 43°24'00"N., long. 77°59'59"W.; to lat. 43°24'00"N., long. 76°46'59"W.; to lat. 43°15'00"N., long. 76°45'59"W.; to lat. 43°15'00"N., long. 78°11'59"W.; to the point of beginning.

**Altitudes.** 11,000 feet MSL up to but not including 18,000 feet MSL.

**Times of use.** 0800-2200, Monday-Friday; 0800-1600, Saturday and Sunday; other times by NOTAM.

**Controlling agency.** FAA, Cleveland ARTCC

**Using agency.** Air National Guard, 174<sup>th</sup> Fighter Wing, Hancock Field, NY.

USING AGENCY CHANGED 12/30/99

**Moody 1 MOA, GA**

**Boundaries.** Beginning at lat. 32°03'46"N., long. 83°29'00"W.; to lat. 31°13'01"N., long. 82°39'00"W.; to lat. 30°35'01"N., long. 82°38'59"W.; to lat. 30°38'01"N., long. 83°43'00"W.; to lat. 31°18'01"N., long. 84°01'10"W.; to lat. 31°22'46"N., long. 84°02'00"W.; to lat. 31°30'01"N., long. 84°06'00"W.; to lat. 32°03'46"N., long. 83°54'00"W.; to lat. 32°05'01"N., long. 83°44'15"W.; to the point of beginning.

**Altitudes.** 8,000 feet MSL to but not including FL 180.

**Times of use.** 0600-0200 Monday-Friday; other times by NOTAM.

**Controlling agency.** FAA, Jacksonville ARTCC.

**Using agency.** U.S. Air Force, 23<sup>rd</sup> Wing, Moody AFB, GA.

USING AGENCY CHANGED 1/18/07

**Moody 2 North MOA, GA**

**Boundaries.** Beginning at lat. 31°18'01"N., long. 82°51'00"W.; to lat. 31°14'01"N., long. 82°49'00"W.; to lat. 31°01'36"N., long. 82°39'00"W.; to lat. 30°57'01"N., long. 82°39'00"W.; to lat. 30°57'01"N., long. 83°01'00"W.; to lat. 31°21'01"N., long. 83°01'00"W.; to the point of beginning.

**Altitudes.** 500 feet AGL to but not including 8,000 feet MSL.

**Times of use.** 0600-0200 Monday-Friday; other times by NOTAM.

**Controlling agency.** FAA, Jacksonville ARTCC

**Using agency.** U.S. Air Force, 23<sup>rd</sup> Wing, Moody AFB, GA

USING AGENCY CHANGED 1/18/07

### **Moody 2 South MOA, GA**

**Boundaries.** Beginning at lat. 30°57'01"N., long. 83°01'00"W.; to lat. 30°57'01"N., long. 82°39'00"W.; to lat. 30°35'01"N., long. 82°39'00"W.; to lat. 30°36'11"N., long. 83°01'00"W.; to the point of beginning.

**Altitudes.** 100 feet AGL to but not including 8,000 feet MSL.

**Times of use.** 0600-0200 Monday-Friday; other times by NOTAM.

**Controlling agency.** FAA, Jacksonville ARTCC.

**Using agency.** U.S. Air Force, 23<sup>rd</sup> Wing, Moody AFB, GA.

USING AGENCY CHANGED 1/18/07

### **Moody 3 MOA, GA**

**Boundaries.** Beginning at lat. 31°40'31"N., long. 84°36'30"W.; to lat. 31°20'01"N., long. 84°28'00"W.; to lat. 30°57'41"N., long. 84°28'00"W.; to lat. 30°54'41"N., long. 84°39'30"W.; to lat. 31°21'01"N., long. 85°08'00"W.; to lat. 31°50'31"N., long. 85°04'00"W.; to the point of beginning.

**Altitudes.** 8,000 feet MSL to but not including FL 180.

**Times of use.** 0600-0200 Monday-Friday; other times by NOTAM.

**Controlling agency.** FAA, Jacksonville ARTCC.

**Using agency.** U.S. Air Force, 23<sup>rd</sup> Wing, Moody AFB, GA.

USING AGENCY CHANGED 1/18/07

### **Morenci MOA, AZ**

**Boundaries.** Beginning at lat. 33°15'00"N., long. 109°34'02"W.; to lat. 33°15'00"N., long. 108°24'32"W.; to lat. 32°28'15"N., long. 109°19'02"W.; to lat. 32°30'00"N., long. 109°44'02"W.; to lat. 32°54'30"N., long. 109°34'02"W.; to the point of beginning, excluding a 5 NM radius of Safford, AZ, Municipal Airport from 1,500 feet AGL to and including 5,000 feet AGL.

**Altitudes.** From 1,500 feet AGL to but not including FL 180.

**Times of use.** 0600-2100 Monday-Friday; other times by NOTAM.

**Controlling agency.** FAA, Albuquerque ARTCC.

**Using agency.** 162nd Tactical Fighter Group, Tucson, AZ.

**Mt. Dora East High MOA, NM**

**Boundaries.** Beginning at lat. 36°30'00"N., long. 103°01'00"W.; to lat. 36°15'00"N., long. 102°47'42"W.; to lat. 36°07'00"N., long. 102°51'48"W.; to lat. 35°58'00"N., long. 103°45'00"W.; to lat. 36°30'00"N., long. 103°45'00"W.; to the point of beginning.

**Altitudes.** 11,000 feet MSL to but not including FL 180.

**Times of use.** By NOTAM.

**Controlling agency.** FAA, Albuquerque ARTCC.

**Using Agency.** U.S. Air Force, 27th Special Operations Wing, Cannon AFB, NM.

USING AGENCY CHANGED 1/15/09

**Mt. Dora East Low MOA, NM**

**Boundaries.** Beginning at lat. 36°30'00"N., long. 103°01'00"W.; to lat. 36°15'00"N., long. 102°47'42"W.; to lat. 36°07'00"N., long. 102°51'48"W.; to lat. 35°58'00"N., long. 103°45'00"W.; to lat. 36°30'00"N., long. 103°45'00"W.; to the point of beginning.

**Altitudes.** 1,500 feet AGL to but not including 11,000 feet MSL.

**Times of use.** By NOTAM.

**Controlling agency.** FAA, Albuquerque ARTCC.

**Using Agency.** U.S. Air Force, 27th Special Operations Wing, Cannon AFB, NM.

USING AGENCY CHANGED 1/15/09

**Mt. Dora North High MOA, NM**

**Boundaries.** Beginning at lat. 37°06'00"N., long. 103°42'54"W.; to lat. 37°05'00"N., long. 103°32'24"W.; to lat. 36°30'00"N., long. 103°01'00"W.; to lat. 36°30'00"N., long. 104°19'00"W.; to the point of beginning.

**Altitudes.** 11,000 feet MSL to but not including FL 180.

**Times of use.** By NOTAM.

**Controlling agency.** FAA, Albuquerque ARTCC.

**Using Agency.** U.S. Air Force, 27th Special Operations Wing, Cannon AFB, NM.

USING AGENCY CHANGED 1/15/09

**Mt. Dora North Low MOA, NM**

**Boundaries.** Beginning at lat. 37°06'00"N., long. 103°42'54"W.; to lat. 37°05'00"N., long. 103°32'24"W.; to lat. 36°30'00"N., long. 103°01'00"W.; to lat. 36°30'00"N., long. 104°19'00"W.; to the point of beginning.

**Altitudes.** 1,500 feet AGL to but not including 11,000 feet MSL.

**Times of use.** By NOTAM.

**Controlling agency.** FAA, Albuquerque ARTCC.

**Using Agency.** U.S. Air Force, 27th Special Operations Wing, Cannon AFB, NM.

USING AGENCY CHANGED 1/15/09



**Mt. Dora West High MOA, NM**

**Boundaries.** Beginning at lat. 36°30'00"N., long. 104°19'00"W.; to lat. 36°30'00"N., long. 103°45'00"W.; to lat. 35°58'00"N., long. 103°45'00"W.; to lat. 35°47'00"N., long. 104°49'18"W.; to lat. 35°53'20"N., long. 104°55'30"W.; to the point of beginning.

**Altitudes.** 11,000 feet MSL to but not including FL 180.

**Times of use.** By NOTAM.

**Controlling agency.** FAA, Albuquerque ARTCC.

**Using Agency.** U.S. Air Force, 27th Special Operations Wing, Cannon AFB, NM.

USING AGENCY CHANGED 1/15/09

**Mt. Dora West Low MOA, NM**

**Boundaries.** Beginning at lat. 36°30'00"N., long. 104°19'00"W.; to lat. 36°30'00"N., long. 103°45'00"W.; to lat. 35°58'00"N., long. 103°45'00"W.; to lat. 35°47'00"N., long. 104°49'18"W.; to lat. 35°53'20"N., long. 104°55'30"W.; to the point of beginning.

**Altitudes.** 1,500 feet AGL to but not including 11,000 feet MSL.

**Times of use.** By NOTAM.

**Controlling agency.** FAA, Albuquerque ARTCC.

**Using Agency.** U.S. Air Force, 27th Special Operations Wing, Cannon AFB, NM.

USING AGENCY CHANGED 1/15/09

**Muniz 1 MOA, PR**

**Boundaries.** Beginning at lat. 18°04'53"N., long. 67°15'04"W.; to lat. 18°04'53"N., long. 66°47'59"W.; to lat. 17°53'08"N., long. 66°52'59"W.; thence west along the 3 NM territorial limit to the point of beginning.

**Altitudes.** 1,000 feet AGL to 8,000 feet MSL inclusive.

**Times of use.** Intermittent, 0700-1900 Monday-Saturday; contact nearest Flight Service Station.

**Controlling agency.** FAA, San Juan CERAP.

**Using agency.** Puerto Rico Air National Guard, San Juan, PR.

**Muniz 2 MOA, PR**

**Boundaries.** Beginning at lat. 17°53'08"N., long. 66°52'59"W.; to lat. 18°04'53"N., long. 66°47'59"W.; to lat. 17°55'33"N., long. 66°37'59"W.; thence west along the 3 NM territorial limit to the point of beginning.

**Altitudes.** 1,000 feet AGL to 8,000 feet MSL inclusive.

**Times of use.** Intermittent, 0700-1900 Monday-Saturday; contact nearest Flight Service Station.

**Controlling agency.** FAA, San Juan CERAP.

**Using agency.** Puerto Rico Air National Guard, San Juan, PR.

**Naknek 1 MOA, AK**

**Boundaries.** Beginning at lat. 60°29'57"N., long. 159°00'08"W.; to lat. 60°49'58"N., long. 156°00'08"W.; to lat. 60°52'58"N., long. 154°28'08"W.; to lat. 60°25'58"N., long. 154°13'08"W.; to lat. 59°29'57"N., long. 158°00'08"W.; to lat. 59°54'57"N., long. 159°00'08"W.; to the point of beginning. Naknek 1 MOA would be west of the King Salmon VORTAC 001° radial. Naknek 2 MOA would be east of the King Salmon VORTAC 001° radial. This radial will divide areas from approximately lat. 59°48'57"N., long. 156°45'08"W.; to lat. 60°45'57"N., long. 156°43'08"W.

**Altitudes.** 3,000 feet AGL to but not including FL 180.

**Times of use.** 1000-1500, Monday-Friday; other times by NOTAM.

**Controlling agency.** FAA Anchorage ARTCC.

**Using agency.** USAF, 3 WG, Elmendorf AFB, AK.

TIMES OF USE CHANGED 1/15/09

**Naknek 2 MOA, AK**

**Boundaries.** Beginning at lat. 60°45'57"N, long. 156°43'08"W; to lat. 60°49'58"N, long. 156°00'08"W; to lat. 60°52'33"N, long. 154°43'15"W; to lat. 60°18'58"N, long. 154°43'15"W; to lat. 59°48'57"N, long. 156°45'08"W; to the point of beginning.

**Altitudes.** 3,000 feet AGL to but not including FL 180.

**Times of use.** 1000-1500, Monday-Friday; other times by NOTAM.

**Controlling agency.** FAA Anchorage ARTCC.

**Using agency.** USAF, 3 WG, Elmendorf AFB, AK.

TIMES OF USE CHANGED 1/15/09

**O'Neill MOA, NE**

**Boundaries.** Beginning at lat. 42°21'56"N., long. 98°22'50"W.; to lat. 42°20'00"N., long. 97°46'01"W.; to lat. 41°53'00"N., long. 97°46'01"W.; to lat. 41°27'00"N., long. 98°24'01"W.; to lat. 41°26'00"N., long. 98°53'01"W.; to lat. 42°13'00"N., long. 98°53'01"W.; to lat. 42°15'05"N., long. 98°50'57"W.; thence via the 15 NM arc of ONL VORTAC to the point of beginning.

**Altitudes.** 500 feet AGL to but not including FL 180.

**Times of use.** By NOTAM (normally 1000-2200 Tuesday-Sunday).

**Controlling agency.** FAA, Minneapolis ARTCC.

**Using agency.** Commander, 155th Tactical Reconnaissance Group, Air National Guard, Lincoln Municipal Airport, Lincoln, NE.

**Okanogan A MOA, WA**

**Boundaries.** Beginning at lat. 49°00'00"N., long. 119°45'04"W.; to lat. 49°00'00"N., long. 119°20'04"W.; to lat. 49°00'00"N., long. 119°00'04"W.; to lat. 48°03'30"N., long. 119°00'04"W.; to lat. 48°05'00"N., long. 119°20'04"W.; to lat. 48°06'30"N., long. 119°45'04"W.; to lat. 48°08'29"N., long. 120°27'34"W.; to lat. 48°54'40"N., long. 120°03'04"W.; to lat. 48°54'40"N., long. 119°45'04"W.; to the point of beginning.

**Altitudes.** 9,000 feet MSL to but not including FL 180.

**Times of use.** Intermittent by NOTAM, contact nearest Flight Service Station.

**Controlling agency.** FAA, Seattle ARTCC.

**Using agency.** U.S. Navy, Commanding Officer, NAS Whidbey Island, Oak Harbor, WA.

USING AGENCY CHANGED 7/22/93

### **Okanogan B MOA, WA**

**Boundaries.** Beginning at lat. 48°08'29"N., long. 120°27'34"W.; to lat. 48°54'40"N., long. 120°03'04"W.; to lat. 48°54'40"N., long. 119°45'04"W.; to lat. 48°06'30"N., long.

119°45'04"W.; to the point of beginning.

**Altitudes.** 300 feet AGL to but not including 9,000 feet MSL. Excluding that airspace 1,500 feet AGL and below within a 3-NM radius of the following airports: Twisp Municipal Airport, WA, and the Methow Valley State Airport, Winthrop, WA.

**Times of use.** Intermittent by NOTAM, contact nearest Flight Service Station.

**Controlling agency.** FAA, Seattle ARTCC.

**Using agency.** U.S. Navy, Commanding Officer, NAS Whidbey Island, Oak Harbor, WA.

ALTITUDES CHANGED 6/23/94

### **Okanogan C MOA, WA**

**Boundaries.** Beginning at lat. 48°05'00"N., long. 119°20'04"W.; to lat. 49°00'00"N., long. 119°20'04"W.; to lat. 49°00'00"N., long. 119°00'04"W.; to lat. 48°03'30"N., long.

119°00'04"W.; to the point of beginning.

**Altitudes.** 300 feet AGL to but not including 9,000 feet MSL. Excluding that airspace 1,500 feet AGL and below within a 3-NM radius of the Hart Ranch Airport, Tonasket, WA.

**Times of use.** Intermittent by NOTAM, contact nearest Flight Service Station.

**Controlling agency.** FAA, Seattle ARTCC.

**Using agency.** U.S. Navy, Commanding Officer, NAS Whidbey Island, Oak Harbor, WA.

ALTITUDES CHANGED 6/23/94

### **Olympic A MOA, WA**

**Boundaries.** Beginning at lat. 47°41'29"N., long. 124°33'05"W.; to lat. 47°41'29"N., long. 123°43'35"W.; to lat. 47°37'59"N., long. 123°40'05"W.; to lat. 47°14'59"N., long.

123°40'05"W.; to lat. 47°05'59"N., long. 124°14'53"W.; thence northbound, 3 miles parallel to the shoreline, to the point of beginning.

**Altitudes.** From 6,000 feet MSL to but not including FL 180, excluding that airspace below 1,200 feet AGL.

**Times of use.** By NOTAM.

**Controlling agency.** FAA, Seattle ARTCC.

**Using agency.** U.S. Navy, Commanding Officer, NAS Whidbey Island, Oak Harbor, WA

BOUNDARIES CHANGED 9/14/95

### **Olympic B MOA, WA**

**Boundaries.** Beginning at lat. 48°08'59"N., long. 124°48'05"W.; to lat. 48°08'59"N., long. 124°30'35"W.; to lat. 47°59'59"N., long. 124°07'05"W.; to lat. 47°41'29"N., long. 123°43'35"W.; to lat. 47°41'29"N., long. 124°33'05"W.; thence northbound, 3 miles parallel to the shoreline, to the point of beginning.

**Altitudes.** From 6,000 feet MSL to but not including FL 180, excluding that airspace below 1,200 feet AGL.

**Times of use.** By NOTAM.

**Controlling agency.** FAA, Seattle ARTCC.

**Using agency.** U.S. Navy, Commanding Officer, NAS Whidbey Island, Oak Harbor, WA.

USING AGENCY CHANGED 7/22/93

### **Ontonagon MOA, MI**

**Boundaries.** Beginning at lat. 46°55'00"N., long. 90°00'01"W.; to lat. 46°55'00"N., long. 89°28'01"W.; to lat. 47°30'00"N., long. 89°28'00"W.; to lat. 46°56'30"N., long. 88°51'00"W.; to lat. 46°37'00"N., long. 89°40'01"W.; to the point of beginning, excluding the airspace at and below 1,500 feet AGL within a 3 NM radius of the Ontonagon County Airport, located at lat. 46°50'47"N., long. 89°21'30"W.

**Altitudes.** 500 feet AGL to but not including FL 180.

**Times of use.** 0800-1800 daily; other times by NOTAM.

**Controlling agency.** FAA, Minneapolis ARTCC

**Using agency.** U.S. Air Force, Northeast Air Defense Sector/DOOS, Griffiss AFB, NY

BOUNDARIES, ALTITUDES, TIMES OF USE AND USING AGENCY CHANGED  
11/14/91

### **Outlaw MOA, AZ**

**Boundaries.** Beginning at lat. 33°07'00"N., long. 111°23'00"W.; to lat. 33°29'30"N., long. 111°23'00"W.; to lat. 33°45'00"N., long. 110°30'00"W.; to lat. 32°40'30"N., long. 110°30'00"W.; to lat. 32°42'00"N., long. 110°38'00"W.; to the point of beginning.

**Altitudes.** 8,000 feet MSL or 3,000 feet AGL whichever is higher to but not including FL 180; excluding Restricted Areas R-2310A, B and C when activated.

**Times of use.** 0700-1800 Monday-Friday; 1800-2200 Monday-Friday by NOTAM.  
Intermittent weekends by NOTAM.

**Controlling agency.** FAA, Albuquerque ARTCC.

**Using agency.** U.S. Air Force, Commander, 162nd Fighter Group, Air National Guard, Tucson, AZ.

ADDED 9/16/93

### **Owens MOA, CA**

**Boundaries.** Beginning at lat. 37°12'00"N., long. 118°35'03"W.; to lat. 37°12'00"N., long. 118°26'03"W.; to lat. 37°02'00"N., long. 118°20'03"W.; to lat. 37°09'00"N., long. 118°00'03"W.; to lat. 36°46'00"N., long. 118°00'03"W.; to lat. 36°14'00"N., long. 117°36'03"W.; thence along the northern and western boundaries of R-2505 to lat. 36°08'00"N., long. 117°53'03"W.; to lat. 36°08'00"N., long. 118°35'03"W.; to the point of beginning.

**Altitudes.** 200 feet AGL to but not including FL 180. Except 3,000 feet AGL floor over Kings Canyon National Park, Sequoia National Park, and John Muir Wilderness Area. Except 1,500 feet AGL within a 3 NM radius of the following airports: Lone Pine and Independence.

**Times of use.** 0600-2200 Monday-Friday; other times by NOTAM.

**Controlling agency.** FAA, Hi-Desert TRACON, Edwards, CA.

**Using agency.** R-2508 Complex Control Board.

CONTROLLING AGENCY CHANGED 5/27/93

### **Owyhee MOA, ID**

**Boundaries.** Beginning at lat. 42°00'00"N., long. 117°00'00"W.; to lat. 42°42'10"N., long. 117°00'00"W.; to lat. 42°45'00"N., long. 116°50'00"W.; to lat. 42°45'00"N., long. 116°00'00"W.; to lat. 42°00'00"N., long. 116°00'00"W.; to the point of beginning. Excluding that airspace 500 feet AGL and below beginning at lat. 42°45'00"N., long. 116°40'00"W.; to lat. 42°45'00"N., long. 116°00'00"W.; to lat. 42°39'00"N., long. 116°00'00"W.; to lat. 42°30'00"N., long. 116°21'15"W.; to lat. 42°32'45"N., long. 116°28'45"W.; to point of beginning.

**Altitudes.** 100 feet AGL to but not including FL 180.

**Times of use.** 0730-2200 Monday through Friday other times by NOTAM.

**Controlling agency.** FAA, Salt Lake City ARTCC.

**Using agency.** USAF, 366<sup>th</sup> Wing, Mountain Home AFB, ID.

REVISED 9/6/01

### **Palatka 1 MOA, FL**

**Boundaries.** Beginning at lat. 29°23'01"N., long. 82°01'29"W.; to lat. 29°22'55"N., long. 81°39'04"W.; thence east along the north boundary of R-2907A to lat. 29°22'51"N., long. 81°31'19"W.; to lat. 29°12'31"N., long. 81°29'59"W.; to lat. 29°00'01"N., long. 81°29'59"W.; to lat. 29°00'01"N., long. 81°42'29"W.; to lat. 29°03'15"N., long. 81°46'50"W.; thence north along the west boundary of R-2910 to lat. 29°07'58"N., long. 81°48'29"W.; to lat. 29°22'01"N., long. 82°02'59"W.; to the point of beginning.

**Altitudes.** 3,000 feet AGL to but not including FL 180.

**Times of use.** Intermittent, 0500-0100 daily; other times by NOTAM 6 hours in advance.

**Controlling agency.** FAA, Jacksonville ARTCC.

**Using agency.** Fleet Area Control and Surveillance Facility, Jacksonville Naval Air Station, Jacksonville, FL.

TIMES OF USE CHANGED 1/11/90

### **Palatka 2 MOA, FL**

**Boundaries.** Beginning at lat. 29°36'21"N., long. 81°51'19"W.; to lat. 29°36'21"N., long. 81°32'19"W.; to lat. 29°29'31"N., long. 81°31'59"W.; to lat. 29°22'51"N., long. 81°31'19"W.; thence west along the north boundary of R-2907A to lat. 29°22'55"N., long. 81°39'04"W.; to lat. 29°23'01"N., long. 82°01'29"W.; to the point of beginning.

**Altitudes.** 3,000 feet AGL to but not including FL 180.

**Times of use.** Intermittent, 0500-0100 daily; other times by NOTAM 6 hours in advance.

**Controlling agency.** FAA, Jacksonville ARTCC.

**Using agency.** Fleet Area Control and Surveillance Facility, Jacksonville Naval Air Station, Jacksonville, FL.

TIMES OF USE CHANGED 1/11/90

### **Pamlico A MOA, NC**

**Boundaries.** Beginning at lat. 35°48'15"N., long. 75°43'43"W.; to lat. 35°29'31"N., long. 75°25'00"W.; to lat. 35°27'01"N., long. 75°25'09"W.; to lat. 35°27'01"N., long. 75°48'19"W.; to lat. 35°34'41"N., long. 75°48'19"W.; to lat. 35°34'41"N., long. 75°46'49"W.; to the point of beginning.

**Altitudes.** 8,000 feet MSL to but not including FL 180.

**Times of use.** Intermittent, sunrise-2300 Monday-Friday; other times by NOTAM.

**Controlling agency.** FAA, Washington ARTCC.

**Using agency.** U. S. Navy, Fleet Area Control and Surveillance Facility, Virginia Beach Naval Air Station, Oceana, VA.

### **Pamlico B MOA, NC**

**Boundaries.** Beginning at lat. 35°36'46"N., long. 76°01'19"W.; to lat. 35°34'41"N., long. 75°48'19"W.; to lat. 35°27'01"N., long. 75°48'19"W.; to lat. 35°27'01"N., long. 75°25'09"W.; thence south and southwest 3 NM from and parallel to the shoreline to lat. 35°00'31"N., long. 76°00'59"W.; to lat. 35°18'16"N., long. 76°16'39"W.; to the point of beginning.

**Altitudes.** 8,000 feet MSL to but not including FL 180.

**Times of use.** Intermittent, 0700-2200 Monday-Friday; other times by NOTAM.

**Controlling agency.** FAA, Washington ARTCC.

**Using agency.** U. S. Navy, Fleet Area Control and Surveillance Facility, Virginia Beach Naval Air Station, Oceana, VA.

**Panamint MOA, CA**

**Boundaries.** Beginning at lat. 36°30'00"N., long. 117°48'03"W.; to lat. 36°30'00"N., long. 116°55'03"W.; to lat. 35°34'30"N., long. 116°23'33"W.; thence along the northern boundary of R-2502N, the eastern, northern, and western boundaries of R-2524, and the northwestern boundary of R-2515 to lat. 35°19'20"N., long. 117°38'33"W.; to lat. 35°21'00"N., long. 117°38'33"W.; to lat. 35°39'15"N., long. 117°29'26"W.; thence along the eastern and northern boundaries of R-2505 to lat. 36°14'00"N., long. 117°36'03"W.; to the point of beginning. Excluding that airspace (1) 3000 feet AGL north and east of a line beginning at lat. 36°30'00"N., long. 117°25'35"W.; to lat. 36°29'46"N., long. 117°25'36"W.; to lat. 36°27'14"N., long. 117°22'01"W.; to lat. 36°25'41"N., long. 117°20'58"W.; to lat. 36°25'34"N., long. 117°20'29"W.; to lat. 36°26'16"N., long. 117°19'11"W.; to lat. 36°25'00"N., long. 117°18'36"W.; to lat. 36°25'10"N., long. 117°17'57"W.; to lat. 36°24'15"N., long. 117°17'23"W.; to lat. 36°23'48"N., long. 117°15'36"W.; to lat. 36°15'57"N., long. 117°15'33"W.; to lat. 36°13'55"N., long. 117°09'09"W.; to lat. 36°08'44"N., long. 117°09'04"W.; to lat. 36°08'40"N., long. 117°04'39"W.; to lat. 36°06'58"N., long. 117°03'47"W.; to lat. 36°05'54"N., long. 117°04'33"W.; to lat. 36°05'28"N., long. 117°03'54"W.; to lat. 36°01'42"N., long. 117°02'34"W.; to lat. 35°58'53"N., long. 117°04'31"W.; to lat. 35°58'37"N., long. 117°05'17"W.; to lat. 35°57'13"N., long. 117°06'45"W.; to lat. 35°55'23"N., long. 117°06'35"W.; to lat. 35°54'11"N., long. 117°05'24"W.; to lat. 35°53'10"N., long. 117°01'39"W.; to lat. 35°52'54"N., long. 116°55'21"W.; to lat. 35°47'44"N., long. 116°55'22"W.; to lat. 35°47'44"N., long. 116°36'05"W.; to lat. 35°39'03"N., long. 116°36'01"W.; to lat. 35°39'03"N., long. 116°26'06"W.; (2) 1500 feet AGL and below within a 3NM radius of the Trona airport.

**Altitudes.** 200 feet AGL to but not including FL 180. Except 3,000 feet AGL floor over Death Valley National Monument. Except 1,500 feet AGL within a 3 NM radius of the following airport: Trona.

**Times of use.** 0600-2200 Monday-Friday; other times by NOTAM.

**Controlling agency.** FAA, Hi-Desert TRACON, Edwards, CA.

**Using agency.** R-2508 Complex Control Board.

BOUNDARIES CHANGED 11/6/97

**Paradise East, NV**

**Boundaries:** Beginning at lat. 42°00'00"N, long. 115°26'00"W; to lat. 41°19'00"N, long. 116°47'00"W; to lat. 41°24'10"N, long. 117°00'00"W; to lat. 42°00'00"N, long. 117°00'00"W; to the point of beginning.

**Altitudes.** 14,500 feet MSL to but not including FL 180.

**Times of use.** 0730-2200 Monday through Friday other times by NOTAM.

**Controlling agency.** FAA, Salt Lake City ARTCC.

**Using agency.** USAF, 366<sup>th</sup> Wing, Mountain Home AFB, ID.

ADDED 9/6/01

**Paradise West, OR**

**Boundaries.** Beginning at lat. 42°42'10"N, long. 117°00'00"W; to lat. 41°24'10"N, long. 117°00'00"W; to lat. 41°31'00"N, long. 117°18'00"W; to lat. 41°52'00"N, long. 117°49'00"W; to lat. 42°34'00"N, long. 117°27'00"W; to the point of beginning.

**Altitudes.** 14,500 feet MSL to but not including FL 180.

**Times of use.** 0730-2200 Monday through Friday other times by NOTAM.

**Controlling agency.** FAA, Salt Lake City ARTCC.

**Using agency.** USAF, 366<sup>th</sup> Wing, Mountain Home AFB, ID.

ADDED 9/6/01

**Pecos North High MOA, NM**

**Boundaries.** Beginning at lat. 34°37'00"N., long. 104°30'02"W.; to lat. 34°34'36"N., long. 104°07'00"W.; to lat. 34°33'00"N., long. 103°55'02"W.; to lat. 34°10'00"N., long. 103°55'02"W.; to lat. 34°10'00"N., long. 105°10'00"W.; to lat. 34°20'20"N., long. 105°10'00"W.; to lat. 34°31'00"N., long. 105°05'02"W.; to the point of beginning.

**Altitudes.** 11,000 feet MSL up to but not including FL 180.

**Times of use.** 0800-2000 local time, Monday-Friday, other times by NOTAM.

**Controlling agency.** FAA, Albuquerque ARTCC.

**Using Agency.** U.S. Air Force, 27th Special Operations Wing, Cannon AFB, NM.

USING AGENCY CHANGED 1/15/09

**Pecos North Low MOA, NM**

**Boundaries.** Beginning at lat. 34°37'00"N., long. 104°30'02"W.; to lat. 34°34'36"N., long. 104°07'00"W.; to lat. 34°10'00"N., long. 104°07'00"W.; to lat. 34°10'00"N., long. 105°10'00"W.; to lat. 34°20'20"N., long. 105°10'00"W.; to lat. 34°31'00"N., long. 105°05'02"W.; to the point of beginning, excluding that airspace at and below 1,500' AGL within a 3 NM radius of the Fort Sumner Municipal Airport and within 3 NM each side of the 360° bearing from the airport to the northern boundary of the MOA.

**Altitudes.** 500 feet AGL up to but not including 11,000 feet MSL.

**Times of use.** 0800-2000 local time, Monday-Friday, other times by NOTAM.

**Controlling agency.** FAA, Albuquerque ARTCC

**Using Agency.** U.S. Air Force, 27th Special Operations Wing, Cannon AFB, NM.

USING AGENCY CHANGED 1/15/09

**Pecos South MOA, NM**

**Boundaries.** Beginning at lat. 34°14'30"N., long. 103°40'02"W.; to lat. 34°05'00"N., long. 103°40'02"W.; to lat. 33°45'53"N., long. 104°08'42"W.; to lat. 33°37'58"N., long. 104°21'36"W.; thence counterclockwise along the 22 NM arc of the Chisum VORTAC to lat. 33°40'00"N., long. 104°50'00"W.; to lat. 34°00'00"N., long. 105°10'00"W.; to lat.



34°10'00"N., long. 105°10'00"W.; to lat. 34°10'00"N., long. 103°46'02"W.; to the point of beginning.

**Altitudes.** 500 feet AGL up to but not including FL 180.

**Times of use.** 0800-2000 local time, Monday-Friday, other times by NOTAM.

**Controlling agency.** FAA, Albuquerque ARTCC.

**Using Agency.** U.S. Air Force, 27th Special Operations Wing, Cannon AFB, NM.

USING AGENCY CHANGED 1/15/09

### **Pensacola North MOA, FL**

**Boundaries.** Beginning at lat. 31°25'01"N., long. 87°18'00"W.; to lat. 31°32'01"N., long. 86°45'00"W.; to lat. 31°14'31"N., long. 86°45'00"W.; to lat. 30°53'31"N., long. 87°01'30"W.; to lat. 30°50'46"N., long. 87°41'00"W.; to lat. 30°57'31"N., long. 87°39'30"W.; to the point of beginning.

**Altitudes.** 10,000 feet MSL to but not including FL 180.

**Times of use.** Normally sunrise-sunset Monday-Saturday; occasionally nighttime operations until midnight.

**Controlling agency.** FAA, Jacksonville ARTCC.

**Using agency.** Commander, Training Air Wing Five, Pensacola, FL.

### **Pensacola South MOA, FL**

**Boundaries.** Beginning at lat. 30°41'01"N., long. 87°48'30"W.; to lat. 30°41'31"N., long. 87°43'00"W.; to lat. 30°44'01"N., long. 86°55'00"W.; to lat. 30°38'46"N., long. 86°55'00"W.; to lat. 30°33'41"N., long. 86°55'00"W.; thence along the Navarre-Milton Highway to lat. 30°26'31"N., long. 86°52'20"W.; to lat. 30°26'31"N., long. 86°51'30"W.; to lat. 30°23'01"N., long. 86°51'30"W.; to lat. 30°19'31"N., long. 86°51'30"W.; to lat. 30°18'21"N., long. 87°00'00"W.; to lat. 30°15'01"N., long. 87°12'05"W.; to lat. 30°19'01"N., long. 87°13'25"W.; thence west along the shoreline to lat. 30°13'16"N., long. 88°01'30"W.; to lat. 30°31'01"N., long. 87°55'00"W.; to lat. 30°38'01"N., long. 87°55'00"W.; to the point of beginning.

**Altitudes.** 10,000 feet MSL to but not including FL 180.

**Times of use.** Intermittent, sunrise-2400 Monday-Saturday. Contact nearest Flight Service Station.

**Controlling agency.** FAA, Pensacola ATC Tower.

**Using agency.** Commander, Training Air Wing Six, Pensacola, FL.

### **Phelps A MOA, NC**

**Boundaries.** Beginning at lat. 35°52'23"N., long. 76°09'52"W.; to lat. 35°40'26"N., long. 76°12'24"W.; to lat. 35°43'51"N., long. 76°35'29"W.; to lat. 35°53'51"N., long. 76°33'09"W.; to the point of beginning.

**Altitudes.** 6,000 feet MSL to but not including FL 180.

**Times of use.** Intermittent, 0600-2400 Monday-Friday, 0700-1800 Saturday-Sunday; other times by NOTAM 6 hours in advance.

**Note:** MOA will be activated only in conjunction with R-5314.

**Controlling agency.** FAA, Washington ARTCC.

**Using agency.** USAF, 4<sup>th</sup> Wing, Seymour Johnson AFB, NC.

ADDED 08/10/00

### **Phelps B MOA, NC**

**Boundaries.** Beginning at lat. 35°51'53"N., long. 76°02'08"W.; to lat. 35°39'21"N., long. 76°04'59"W.; to lat. 35°40'26"N., long. 76°12'24"W.; to lat. 35°52'23"N., long. 76°09'52"W.; to the point of beginning.

**Altitudes.** 10,000 feet MSL to but not including FL 180.

**Times of use.** Intermittent, 0600-2400 Monday-Friday, 0700-1800 Saturday-Sunday; other times by NOTAM 6 hours in advance. **Note:** MOA will be activated only in conjunction with R-5314.

**Controlling agency.** FAA, Washington ARTCC.

**Using agency.** USAF, 4<sup>th</sup> Wing, Seymour Johnson AFB, NC.

ADDED 8/10/00

### **Phelps C MOA, NC**

**Boundaries.** Beginning at lat. 35°51'36"N., long. 75°57'54"W.; to lat. 35°38'55"N., long. 76°00'52"W.; to lat. 35°39'21"N., long. 76°04'59"W.; to lat. 35°51'53"N., long. 76°02'08"W.; to the point of beginning.

**Altitudes.** 15,000 feet MSL to but not including FL 180.

**Times of use.** Intermittent, 0600-2400 Monday-Friday, 0700-1800 Saturday-Sunday; other times by NOTAM 6 hours in advance.

**Note:** MOA will be activated only in conjunction with R-5314.

**Controlling agency.** FAA, Washington ARTCC.

**Using agency.** USAF, 4<sup>th</sup> Wing, Seymour Johnson AFB, NC.

ADDED 8/10/00

### **Pickett 1 MOA, VA**

**Boundaries.** Beginning at lat. 37°05'38"N., long. 77°54'41"W.; to lat. 37°05'38"N., long. 77°51'53"W.; to lat. 37°04'26"N., long. 77°51'44"W.; along State Highway 40 to lat. 37°03'56"N., long. 77°51'04"W.; to lat. 37°02'44"N., long. 77°50'37"W.; to lat. 37°01'06"N., long. 77°50'42"W.; to lat. 37°10'01"N., long. 77°42'59"W.; to lat. 37°12'01"N., long. 77°45'59"W.; to lat. 37°07'51"N., long. 77°54'41"W.; to the point of beginning.

**Altitudes.** 500 feet AGL up to and including 6,000 feet MSL.

**Times of use.** Intermittent, sunrise-sunset, daily.

**Controlling agency.** FAA, Washington ARTCC.

**Using agency.** Air National Guard, 192nd Fighter Wing, Byrd IAP, Sandston, VA.

TIMES OF USE CHANGED 1/15/09

### **Pickett 2 MOA, VA**

**Boundaries.** Beginning at lat. 36°57'55"N., long. 77°53'18"W.; to lat. 36°54'01"N., long. 77°55'59"W.; to lat. 36°52'01"N., long. 78°12'59"W.; to lat. 37°03'01"N., long. 78°04'59"W.; to lat. 37°01'51"N., long. 77°58'39"W.; to lat. 36°58'13"N., long. 77°57'41"W.; to the point of beginning.

**Altitudes.** 500 feet AGL up to and including 10,000 feet MSL.

**Times of use.** Intermittent, sunrise-sunset, daily.

**Controlling agency.** FAA, Washington ARTCC.

**Using agency.** Air National Guard, 192nd Fighter Wing, Byrd IAP, Sandston, VA.

TIMES OF USE CHANGED 1/15/09

### **Pickett 3 MOA, VA**

**Boundaries.** Beginning at lat. 37°01'51"N., long. 77°58'39"W.; to lat. 37°03'01"N., long. 78°04'59"W.; to lat. 37°07'51"N., long. 77°54'41"W.; to lat. 37°05'38"N., long. 77°54'41"W.; to lat. 37°04'22"N., long. 77°55'57"W.; to lat. 37°01'51"N., long. 77°55'57"W.; to the point of beginning.

**Altitudes.** 4,000 feet MSL up to and including 10,000 feet MSL.

**Times of use.** Intermittent, sunrise-sunset, daily.

**Controlling agency.** FAA, Washington ARTCC.

**Using agency.** Air National Guard, 192nd Fighter Wing, Byrd IAP, Sandston, VA.

TIMES OF USE CHANGED 1/15/09

### **Pike East MOA, MI**

**Boundaries.** Beginning at lat. 44°13'19"N., long. 83°15'00"W.; to lat. 44°42'00"N., long. 83°09'00"W.; to lat. 44°59'15"N., long. 83°15'00"W.; to lat. 45°16'00"N., long. 83°23'00"W.; to lat. 45°22'00"N., long. 83°29'00"W.; to lat. 45°22'00"N., long. 83°35'00"W.; to lat. 45°45'00"N., long. 83°48'30"W.; to lat. 45°45'00"N., long. 83°26'07"W.; to lat. 45°20'19"N., long. 82°31'07"W.; to lat. 43°53'15"N., long. 82°11'18"W.; to the point of beginning.

**Altitudes.** 300 feet AGL to but not including FL 180, excluding that airspace within R4207 when activated.

**Time of use.** 0700 to 1800, Monday through Saturday, other times by NOTAM.

**Controlling Agency.** FAA, Minneapolis ARTCC.

**Using Agency.** U. S. Air Force, Alpena Combat Readiness Training Center (CRTC), Alpena, MI.

ADDED 1/4/96

### **Pike West MOA, MI**

**Boundaries.** Beginning at lat. 45°45'00"N., long. 84°10'00"W.; to lat. 44°41'00"N., long. 84°06'00"W.; to lat. 44°17'20"N., long. 83°43'00"W.; to lat. 44°17'00"N., long. 83°27'00"W.; to lat. 44°13'19"N., long. 83°15'00"W.; to lat. 44°42'00"N., long. 83°09'00"W.; to lat. 44°59'15"N., long. 83°15'00"W.; to lat. 45°16'00"N., long. 83°23'00"W.; to lat. 45°22'00"N., long. 83°29'00"W.; to lat. 45°22'00"N., long. 83°35'00"W.; to lat. 45°45'00"N., long. 83°48'30"W.; to the point of beginning.

**Altitudes.** 6,000 feet MSL up to, but not including FL 180.

**Times of use.** 0700-1800, Monday through Saturday; other times by NOTAM.

**Controlling agency.** FAA, Minneapolis ARTCC.

**Using agency.** U.S. Air Force, Alpena Combat Readiness Training Center (CRTC), Alpena, MI.

REVISED 4/18/02

### **Pine Hill East MOA, MS**

**Boundaries.** Beginning at lat. 32°16'16"N., long. 88°19'30"W.; to lat. 32°11'16"N., long. 87°02'45"W.; to lat. 31°55'16"N., long. 87°03'15"W.; to lat. 31°40'01"N., long. 87°30'45"W.; to the point of beginning.

**Altitudes.** 10,000 feet MSL to but not including FL 180.

**Times of use.** 0700-2300 Monday-Friday; 0800-1500 Saturday; other times by NOTAM.

**Controlling agency.** FAA, Atlanta ARTCC

**Using agency.** Commander, Training Air Wing One, Meridian Naval Air Station, MS

### **Pine Hill West MOA, MS**

**Boundaries.** Beginning at lat. 32°16'21"N., long. 88°20'40"W.; to lat. 32°16'16"N., long. 88°19'30"W.; to lat. 31°40'01"N., long. 87°30'45"W.; to lat. 31°32'21"N., long. 87°44'30"W.; to lat. 31°31'31"N., long. 88°19'30"W.; to the point of beginning.

**Altitudes.** 10,000 feet MSL to but not including FL 180.

**Times of use.** 0700-2300 Monday-Friday; 0800-1500 Saturday; other times by NOTAM.

**Controlling agency.** FAA, Atlanta ARTCC.

**Using agency.** Commander, Training Air Wing One, Meridian Naval Air Station, MS.

**Pinon Canyon MOA, CO**

**Boundaries.** Beginning at lat. 37°38'25"N., long. 104°11'12"W.; to lat. 37°01'48"N., long. 104°07'44"W.; to lat. 37°16'03"N., long. 103°42'32"W.; to lat. 37°27'18"N., long. 103°31'06"W.; to lat. 37°52'54"N., long. 103°31'12"W.; to lat. 37°45'24"N., long. 103°53'32"W.; to lat. 37°41'42"N., long. 104°02'32"W.; thence to the point of beginning.

**Altitudes.** 100 feet AGL to and including 10,000 feet MSL.

**Times of use.** Intermittent by NOTAM.

**Controlling agency.** FAA, Denver ARTCC.

**Using agency.** Headquarters, Fort Carson, Colorado, U.S. Army.

BOUNDARIES CHANGED 12/30/99

**Poinsett MOA, SC**

**Boundaries.** Beginning at lat. 33°51'20"N., long. 80°23'48"W.; to lat. 33°37'50"N., long. 80°16'13"W.; thence clockwise via a 23 NM arc centered at Shaw (SSC) TACAN; to lat. 33°37'12"N., long. 80°38'01"W.; to lat. 33°42'08"N., long. 80°35'50"W.; to lat. 33°47'23"N., long. 80°31'22"W.; to lat. 33°44'28"N., long. 80°31'41"W.; to lat. 33°46'26"N., long. 80°23'11"W.; to the point of beginning.

**Altitudes.** 300 feet AGL to 2,500 feet MSL; Excluding the airspace 1,500 feet AGL and below within:1. A 2 NM ARC centered at lat. 33°36'30"N.,

long. 80°21'15"W.2. A 1 NM ARC centered at lat. 33°44'25"N., long. 80°27'50"W.

**Times of use.** 0600-2400 Monday-Friday; 0800-1600 Saturday; other times by NOTAM at least 8 hours in advance.

**Controlling agency.** U.S. Air Force, Shaw Approach Control.

**Using agency.** U.S. Air Force, 20FW, Shaw AFB, SC.

ADDED 10/8/98

**Porterville MOA, CA**

**Boundaries.** Beginning at lat. 36°08'00"N., long. 119°00'03"W.; to lat. 36°08'00"N., long. 118°35'03"W.; to lat. 35°40'00"N., long. 118°35'03"W.; to lat. 35°40'00"N., long. 118°51'03"W.; to the point of beginning.

**Altitudes.** 2,000 feet AGL to but not including FL 180.

**Times of use.** Intermittent by NOTAM.

**Controlling agency.** FAA, Los Angeles ARTCC.

**Using agency.** R-2508 Complex Control Board.

TIME OF USE CHANGED 1/18/07

**Powder River A MOA, MT**

**Boundaries.** Beginning at lat. 46°05'00"N., long. 105°12'02"W.; to lat. 45°25'00"N., long. 103°36'02"W.; to lat. 45°04'00"N., long. 103°51'02"W.; to lat. 45°07'00"N., long. 104°07'02"W.; to lat. 45°12'00"N., long. 105°21'02"W.; to lat. 45°48'00"N., long. 105°40'02"W.; to the point of beginning.

**Altitudes.** Surface to but not including FL 180. Except 1,500 feet AGL within a 3 NM radius of the following airports: Camp Crook Airport, SD; Sky Ranch Airport, SD; Broadus Airport, MT, Laird Ranch Airport, MT.

**Times of use.** 0800-1800 Monday through Friday other times by NOTAM.

**Controlling agency.** FAA, Salt Lake City ARTCC.

**Using agency.** USN, Naval Strike and Air Warfare Center, Fallon, NV.

ALTITUDES CHANGED 10/22/09

**Powder River B MOA, WY**

**Boundaries.** Beginning at lat. 45°04'00"N., long. 103°51'02"W.; to lat. 44°52'00"N., long. 104°01'02"W.; to lat. 44°35'00"N., long. 105°03'02"W.; to lat. 45°12'00"N., long. 105°21'02"W.; to lat. 45°07'00"N., long. 104°07'02"W.; to the point of beginning.

**Altitudes.** 1,000 feet AGL to but not including FL 180. Except 1,500 feet AGL within a 3 NM radius of the following airport: Lanning Ranch Airport, MT.

**Times of use.** Intermittent by NOTAM.

**Controlling agency.** FAA, Denver ARTCC.

**Using agency.** U.S. Air Force, Headquarters SAC/DOTOS, Offutt AFB, NE.

ALTITUDES CHANGED 10/22/09

**Pruitt A MOA, IL**

**Boundaries.** Beginning at lat. 40°17'00"N., long. 90°29'00"W.; to lat. 40°06'00"N., long. 90°12'00"W.; to lat. 39°57'00"N., long. 90°27'00"W.; to lat. 39°45'05"N., long. 90°27'05"W.; to lat. 39°34'00"N., long. 90°07'00"W.; to lat. 39°35'00"N., long. 90°54'00"W.; to lat. 39°49'00"N., long. 91°05'06"W.; to lat. 39°54'00"N., long. 90°59'00"W.; to point of beginning.

**Altitudes.** 500 feet AGL to 6,000 feet MSL. The airspace 1,500 feet AGL and below within a 3 NM radius of the following airports is excluded from the MOA: Greater Beardstown Airport, IL; Pittsfield Penstone Airport, IL; and Schoy-Rush Airport, IL.

**Times of use.** 0900 to 1200 and 1300 to 1600 Sunday-Saturday; other times by NOTAM.

**Controlling agency.** FAA, Kansas City ARTCC.

**Using agency.** Air National Guard, 183 TFG, Springfield, IL.

TIMES OF USE CHANGED 11/1/01

**Pruitt B MOA, IL**

**Boundaries.** Beginning at lat. 39°34'00"N., long. 90°07'00"W.; to lat. 39°18'00"N., long. 90°18'00"W.; to lat. 39°20'00"N., long. 90°42'00"W.; to lat. 39°35'00"N., long. 90°54'00"W.; to point of beginning.

**Altitudes.** 500 feet AGL to 3,000 feet MSL.

**Times of use.** 0900 to 1200 and 1300 to 1600 Sunday-Saturday; other times by NOTAM.

**Controlling agency.** FAA, Kansas City ARTCC.

**Using agency.** Air National Guard, 183 TFG, Springfield, IL.

TIMES OF USE CHANGED 11/1/01

**Quail MOA, AZ**

**Boundaries.** Beginning at lat. 33°55'00"N., long. 115°00'03"W.; to lat. 34°12'00"N., long. 114°00'03"W.; to lat. 33°38'00"N., long. 114°00'03"W.; to lat. 33°44'00"N., long. 114°30'03"W.; to lat. 33°44'00"N., long. 115°00'03"W.; to the point of beginning.

**Altitudes.** 10,000 feet MSL to but not including FL 180.

**Times of use.** 0700-1700 MST Monday-Friday; other times by NOTAM.

**Controlling agency.** FAA, Los Angeles ARTCC.

**Using agency.** Marine Corps Air Station, Yuma, AZ

TIMES OF USE CHANGED 1/9/92

**Racer A MOA, IN**

**Boundaries.** Beginning at 39°12'30"N lat., 86°09' 50"W long., to 39°07'36"N lat., 86°08'00"W long., to 39° 07' 36"N lat., 85° 59' 30"W long., to 39° 00' 00"N lat., 85° 59' 30"W long., to 38° 57' 48"N lat., 86° 01' 29"W long., to 38° 57' 48"N lat., 86° 16' 06"W long., to 39° 06' 00"N lat., 86° 15' 00"W long., to the point of beginning.

**Designated altitudes.** 500' AGL up to but not including 4,000' MSL.

**Time of designation.** May 1 through September 30, 0700-2200 local time daily; October 1 through April 30, 0800-2200 local time, Tuesday through Saturday, other times by NOTAM; Racer A MOA will not be activated between 2200-0700 local time.

**Controlling agency.** FAA, Indianapolis ARTCC.

**Using agency.** HQ IN ANG Det 1, Camp Atterbury, Edinburgh, IN.

ADDED 8/03/06

**Racer B MOA, IN**

**Boundaries.** Beginning at 39° 12' 30"N lat., 86° 09' 50"W long., to 39° 07' 36"N lat., 86° 08' 00"W long., to 39° 07' 36"N lat., 85° 59' 30"W long., to 39° 00' 00"N lat., 85° 59' 30"W long., to 38° 57' 48"N lat., 86° 01' 29"W long., to 38°57' 48"N lat., 86° 16' 06"W long., to 39° 06' 00"N lat., 86° 15' 00"W long., to the point of beginning.

**Designated altitudes.** 4,000' MSL up to 8,000' MSL.

**Time of designation.** May 1 through September 30, 0700-2200 local time daily; October 1 through April 30, 0800-2200 local time, Tuesday through Saturday, other times by NOTAM; Racer B MOA will not be activated between 2200-0700 local time.

**Controlling agency.** FAA, Indianapolis ARTCC.

**Using agency.** HQ IN ANG Det 1, Camp Atterbury, Edinburgh, IN.

ADDED 8/03/06

#### **Racer C MOA, IN**

**Boundaries.** Beginning at 39°12'30"N lat., 86°09'50"W long., to 39°12'30"N lat., 85°59'30"W long., to 39°07'36"N lat., 85°59'30"W long., to 39°07'36"N lat., 86°08'00"W long., to the point of beginning.

**Designated altitudes.** 500' AGL up to but not including FL 180.

**Time of designation.** May 1 through September 30, 0700-2200 local time daily; October 1 through April 30, 0800-2200 local time, Tuesday through Saturday, other times by NOTAM; Racer C MOA will not be activated between 2200-0700 local time.

**Controlling agency.** FAA, Indianapolis ARTCC.

**Using agency.** HQ IN ANG Det 1, Camp Atterbury, Edinburgh, IN.

ADDED 8/03/06

#### **Racer D MOA, IN**

**Boundaries.** Beginning at 39°22'00"N lat., 86°06'40"W long., to 39°22'00"N lat., 85°59'30"W long., to 39°21'30"N lat., 85°59'30"W long., to 39°21'30"N lat., 86°06'00"W long., to 39°13'00"N lat., 86°06'00"W long., to 39°13'00"N lat., 85°59'30"W long., to 39°12'30"N lat., 85°59'30"W long., to 39°12'30"N lat., 86°09'50"W long., to 39°19'00"N lat., 86°11'20"W long., to the point of beginning.

**Designated altitudes.** 14,000' MSL up to but not including FL 180.

**Time of designation.** May 1 through September 30, 0700-2200 local time daily; October 1 through April 30, 0800-2200 local time, Tuesday through Saturday, other times by NOTAM; Racer D MOA will not be activated between 2200-0700 local time.

**Controlling agency.** FAA, Indianapolis ARTCC

**Using agency.** HQ IN ANG Det 1, Camp Atterbury, Edinburgh, IN

ADDED 8/03/06

#### **Rainier 1 MOA, WA**

**Boundaries.** Beginning at lat. 47°04'34"N., long. 122°41'09"W.; to lat. 47°03'07"N., long. 122°41'09"W.; to lat. 46°52'49"N., long. 122°44'11"W.; to lat. 46°54'22"N., long. 122°47'11"W.; to lat. 46°59'46"N., long. 122°47'04"W.; to lat. 47°04'20"N., long. 122°42'19"W.; to the point of beginning.



**Altitudes.** 2,000 feet MSL to 9,000 feet MSL excluding the airspace of R-6703A, B, C and D.

**Times of use.** Intermittent by NOTAM; contact nearest Flight Service Station.

**Controlling agency.** FAA, Seattle-Tacoma Approach Control.

**Using agency.** Department of the Army, Commanding General, Fort Lewis, WA.

CONTROLLING AGENCY CHANGED 6/30/88

### **Rainier 2 MOA, WA**

**Boundaries.** Beginning at lat. 47°03'37"N., long. 122°35'40"W.; to lat. 46°54'49"N., long. 122°35'30"W.; to lat. 46°54'10"N., long. 122°39'16"W.; to lat. 46°52'49"N., long. 122°42'09"W.; to lat. 46°52'49"N., long. 122°44'11"W.; to lat. 47°03'07"N., long. 122°41'09"W.; to lat. 47°04'34"N., long. 122°41'09"W.; to lat. 47°04'41"N., long. 122°38'19"W.; to the point of beginning.

**Altitudes.** 2,000 feet MSL to 9,000 feet MSL excluding the airspace of R-6703A, B, C and D.

**Times of use.** Intermittent by NOTAM, contact nearest Flight Service Station.

**Controlling agency.** FAA, Seattle-Tacoma Approach Control.

**Using agency.** Department of the Army, Commanding General, Fort Lewis, WA.

CONTROLLING AGENCY CHANGED 6/30/88

### **Rainier 3 MOA, WA**

**Boundaries.** Beginning at lat. 47°01'47"N., long. 122°31'42"W.; to lat. 47°00'59"N., long. 122°31'41"W.; to lat. 46°59'42"N., long. 122°32'36"W.; to lat. 46°56'32"N., long. 122°33'13"W.; to lat. 46°56'06"N., long. 122°34'15"W.; to lat. 46°54'49"N., long. 122°35'30"W.; to lat. 47°03'37"N., long. 122°35'40"W.; to the point of beginning.

**Altitudes.** 2,000 feet MSL to 9,000 feet MSL excluding the airspace of R-6703A, B, C and D.

**Times of use.** Intermittent by NOTAM, contact nearest Flight Service Station.

**Controlling agency.** FAA, Seattle-Tacoma Approach Control.

**Using agency.** Department of the Army, Commanding General, Fort Lewis, WA.

CONTROLLING AGENCY CHANGED 6/30/88

### **Ranch High MOA, NV**

**Boundaries.** Beginning at lat. 39°13'15"N., long. 119°02'00"W.; to lat. 39°08'00"N., long. 119°01'00"W.; to lat. 38°59'11"N., long. 118°48'00"W.; to lat. 39°14'25"N., long. 118°49'25"W.; to the point of beginning. Excluding that airspace in R-4810 when active.

**Altitudes.** 9000 feet MSL to 13,000 feet MSL.

**Times of use.** 0715 to 2245 Monday through Friday and 0800 to 1800 Saturday; other times by NOTAM.

**Controlling agency.** FAA, Oakland ARTCC.

**Using agency.** USN, Naval Strike and Air Warfare Center, Fallon, NV.

TIMES OF USE CHANGED 12/17/09

**Ranch MOA, NV**

**Boundaries.** Beginning at lat. 38°58'00"N., long. 118°42'54"W.; to lat. 39°17'00"N., long. 118°21'03"W.; to lat. 39°14'25"N., long. 118°49'25"W. to lat. 39°13'15"N., long. 119°02'00"W.; to lat. 39°08'00"N., long. 119°01'00"W.; to lat. 38°59'11"N., long. 118°48'00"W.; to the point of beginning. Excluding that airspace in R-4810 when active.

**Altitudes.** 500 feet AGL to 9,000 feet MSL.

**Times of use.** 0715 to 2245 Monday through Friday and 0800 to 1800 Saturday; other times by NOTAM.

**Controlling agency.** FAA, Oakland ARTCC.

**Using Agency.** U.S. Navy, Commander, Naval Strike and Air Warfare Center, NAS, Fallon, NV.

TIMES OF USE CHANGED 12/17/09

**Randolph 1A MOA, TX**

**Boundaries.** Beginning at lat. 29°31'45"N., long. 97°45'07"W.; thence clockwise along the 27 NM arc of the Randolph, TX, TACAN, to lat. 29°17'04"N., long. 97°50'28"W.; to lat. 28°52'43"N., long. 97°09'58"W.; thence counterclockwise along the 70 NM arc of the Randolph TACAN to lat. 29°11'46"N., long. 96°59'26"W.; to lat. 29°07'27"N., long. 96°45'34"W.; thence counterclockwise along the 83 NM arc of the Randolph TACAN to lat. 29°25'53"N., long. 96°41'14"W.; to lat. 29°26'57"N., long. 96°56'05"W.; thence counterclockwise along the 70 NM arc of the Randolph TACAN to lat. 29°30'38"N., long. 96°55'51"W.; to the point of beginning.

**Altitudes.** 8,000 feet MSL to but not including FL 180.

**Times of use.** Sunrise–sunset, local time, Monday–Friday; other times by NOTAM.

**Controlling agency.** FAA, Houston ARTCC.

**Using agency.** U.S. Air Force, 12th FTW, Randolph AFB, TX.

AMENDED 4/15/04

**Randolph 1B MOA, TX**

**Boundaries.** Beginning at lat. 29°18'36"N., long. 97°53'24"W.; to lat. 29°05'14"N., long. 97°30'36"W.; arc clockwise on 48 DME arc (Randolph TACAN) to lat. 28°44'33"N., long. 98°08'31"W.; to lat. 29°08'09"N., long. 98°15'46"W.; arc counterclockwise on 24 DME arc (Randolph TACAN) to point of beginning.

**Altitudes.** 7,000 feet MSL to but not including FL 180.

**Times of use.** Sunrise–sunset Monday–Friday; other times by NOTAM.

**Controlling agency.** San Antonio Terminal Radar Approach Control.

**Using agency.** Commander, 12 Flying Training Wing, Randolph AFB, TX.

REVISED 5/25/95

**Randolph 2A MOA, TX**

**Boundaries.** Beginning at lat. 29°50'58"N., long. 99°35'09"W.; to lat. 29°44'47"N., long. 99°01'24"W.; arc counterclockwise on the 30 NM arc (San Antonio VORTAC) to lat. 29°15'36"N., long. 98°49'45"W.; to lat. 28°52'43"N., long. 99°11'58"W.; arc clockwise on the 60 NM arc (San Antonio VORTAC) to the point of beginning.

**Altitudes.** 9,000 feet MSL to but not including FL 180.

**Times of use.** Sunrise-sunset Monday-Friday; other times by NOTAM.

**Controlling agency.** FAA, Houston ARTCC.

**Using agency.** 12th Flying Training Wing, Randolph AFB, TX.

ALTITUDES CHANGED 4/28/94

**Randolph 2B MOA, TX**

**Boundaries.** Beginning at lat. 29°40'46"N., long. 99°02'02"W.; to lat. 29°39'46"N., long. 98°44'51"W.; arc counterclockwise on the 15 NM arc (San Antonio VORTAC) to lat. 29°27'10"N., long. 98°38'47"W.; to lat. 29°15'36"N., long. 98°49'45"W.; arc clockwise on the 30 NM arc (San Antonio VORTAC) to the point of beginning.

**Altitudes.** 14,000 feet MSL to but not including FL 180.

**Times of use.** Sunrise-sunset Monday-Friday; other times by NOTAM.

**Controlling agency.** FAA, Houston ARTCC.

**Using agency.** 12th Flying Training Wing, Randolph AFB, TX.

ALTITUDES CHANGED 4/28/94

**Red Hills MOA, IN**

**Boundaries.** Beginning at lat. 38°50'00"N., long. 88°25'00"W.; to lat. 38°58'00"N., long. 87°24'30"W.; to lat. 38°55'00"N., long. 87°19'00"W.; to lat. 38°46'00"N., long. 87°17'00"W.; to lat. 38°26'00"N., long. 87°30'00"W.; to lat. 38°27'00"N., long. 88°25'00"W.; to the point of beginning.

**Altitudes.** 6,000 feet MSL to but not including FL 180.

**Times of use.** 0800-2200, Monday-Sunday.

**Controlling agency.** FAA, Indianapolis ARTCC.

**Using agency.** U.S. Air Force, 181st Tactical Fighter Group, Hulman Field, Terre Haute, IN.

TIMES OF USE CHANGED 1/23/03

**Reno MOA, NV**

**Boundaries.** Beginning at lat. 40°56'36"N., long. 119°49'08"W.; to lat. 40°54'44"N., long. 119°31'44"W.; to lat. 40°46'03"N., long. 119°07'39"W.; to lat. 40°09'56"N., long. 119°23'15"W.; thence counterclockwise on the Mustang VORTAC 40 NM arc to lat. 40°11'45"N., long. 119°43'55"W.; to the point of beginning.

**Altitudes.** 13,000 feet MSL to but not including FL 180.

**Times of use.** 0800-1800 Monday through Friday, other times by NOTAM.

**Controlling agency.** FAA, Oakland ARTCC.

**Using Agency.** USN, Naval Strike and Air Warfare Center, Fallon, NV.

TIMES OF USE AND USING AGENCY CHANGED 2/21/02

### **Reserve MOA, AZ**

**Boundaries.** Beginning at lat. 34°00'00"N., long. 109°34'02"W.; to lat. 34°00'00"N., long. 108°48'00"W.; to lat. 33°54'00"N., long. 108°48'00"W.; to lat. 33°29'40"N., long. 108°07'20"W.; to lat. 33°15'00"N., long. 108°24'32"W.; to lat. 33°15'00"N., long. 109°34'02"W.; to the point of beginning.

**Altitudes.** 5,000 feet AGL to but not including FL 180.

**Times of use.** By NOTAM.

**Controlling agency.** FAA, Albuquerque ARTCC.

**Using agency.** U.S. Air Force, Commander, 162nd Fighter Training Group, Tucson, AZ.

REVISED 9/16/93

### **Reveille North MOA, NV**

**Boundaries.** Beginning at lat. 37°59'57"N., long. 116°40'01"W.; to lat. 38°14'00"N., long. 116°18'52"W.; to lat. 38°14'00"N., long. 115°00'00"W.; to lat. 38°01'00"N., long. 114°12'03"W.; to lat. 38°01'00"N., long. 114°30'03"W.; to lat. 37°59'59"N., long. 114°75'06"W.; thence to the point of beginning.

**Altitudes.** 100 feet AGL to, but not including FL 180.

**Times of use.** 0600-2000 Monday-Friday; other times by NOTAM.

**Controlling agency.** FAA, Salt Lake City ARTCC.

**Using agency.** USAF, Commander, Air Warfare Center, Nellis AFB, NV.

ADDED 1/23/03

### **Reveille South MOA, NV**

**Boundaries.** Beginning at lat. 37°53'00"N., long. 116°50'00"W.; to lat. 37°59'57"N., long. 116°40'01"W.; to lat. 37°59'59"N., long. 114°42'06"W.; to lat. 37°53'00"N., long. 116°11'03"W.; thence to the point of beginning.

**Altitudes.** 100 feet AGL to but not including FL 180.

**Times of use.** 0600-2000 Monday-Friday; other times by NOTAM.

**Controlling agency.** FAA, Salt Lake City ARTCC.

**Using agency.** USAF, Commander, Air Warfare Center, Nellis AFB, NV.

ADDED 1/23/03

**Riley MOA, KS**

**Boundaries.** Beginning: at lat. 39°33'30"N., long. 97°00'01"W; to lat. 39°33'30"N., long. 96°45'00"W; to lat. 39°25'45"N., long. 96°36'30"W; to lat. 39°12'17"N., long. 96°40'56"W; to lat. 39°13'00"N., long. 96°42'36"W; to lat. 39°13'16"N., long. 96°42'36"W; then westward along the south edge of the Chicago, Rock Island, and Pacific RR right-of-way to lat. 39°18'33"N., long. 96°57'40"W; to lat. 39°12'27"N., long. 96°57'40"W; then along the main body of Milford Reservoir to lat. 39°10'58"N., long. 96°55'01"W; to lat. 39°10'58"N., long. 96°53'14"W; to lat. 39°08'22"N., long. 96°53'14"W; to lat. 39°08'22"N., long. 96°49'53"W; to lat. 39°07'54"N., long. 96°49'53"W; to lat. 39°04'24"N., long. 96°52'23"W; to lat. 39°05'45"N., long. 97°00'01"W; to the point of beginning.

**Altitudes.** 7,000 feet MSL up to, but not including FL 180.

**Times of use.** Intermittent by NOTAM.

**Controlling Agency.** FAA, Kansas City ARTCC.

**Using Agency.** U.S. Army, Commander 24<sup>th</sup> Infantry Division, Fort Riley, KS.

ADDED 7/7/05

**Rivers MOA, OK**

**Boundaries.** Beginning at lat. 34°46'18"N., long. 95°43'30"W.; to lat. 34°38'00"N., long. 94°44'30"W.; to lat. 33°57'20"N., long. 95°14'30"W.; to lat. 34°02'12"N., long. 95°58'49"W.; to the point of beginning.

**Altitudes.** 8,000 feet MSL to but not including FL 180.

**Times of use.** 0900-2100 Monday-Friday; weekends by NOTAM.

**Controlling agency.** FAA, Fort Worth ARTCC

**Using agency.** U. S. Air Force, 138th Fighter Group, Tulsa International Airport, OK

TIMES OF USE CHANGED 5/22/97

**Roberts MOA, CA**

**Boundaries.** Beginning at lat. 36°03'30"N., long. 121°06'44"W.; to lat. 35°51'00"N., long. 120°46'24"W.; to lat. 35°44'30"N., long. 120°42'44"W.; to lat. 35°39'40"N., long. 120°43'24"W.; to the point of beginning, excluding Restricted Area R-2504.

**Altitudes.** From 500 feet AGL up to but not including 15,000 feet MSL.

**Times of use.** Intermittent by NOTAM.

**Controlling agency.** FAA, Oakland ARTCC

**Using agency.** Commander, Strike Fighter Wing Pacific Fleet, Naval Air Station, Lemoore, CA

USING AGENCY CHANGED 4/25/96

**Roosevelt A MOA, WA**

**Boundaries.** Beginning at lat. 49°00'00"N., long. 119°00'04"W.; to lat. 49°00'00"N., long. 117°23'04"W.; to lat. 49°00'00"N., long. 116°48'04"W.; to lat. 48°22'00"N., long. 117°28'04"W.; to lat. 48°22'00"N., long. 118°06'04"W.; to lat. 48°19'30"N., long. 118°14'34"W.; to lat. 48°03'30"N., long. 119°00'04"W.; to the point of beginning.

**Altitudes.** 9,000 feet MSL to but not including FL 180.

**Times of use.** Intermittent by NOTAM; contact nearest Flight Service Station.

**Controlling agency.** FAA, Seattle ARTCC

**Using agency.** U.S. Navy, Commanding Officer, NAS Whidbey Island, Oak Harbor, WA.

USING AGENCY CHANGED 7/22/93

**Roosevelt B MOA, WA**

**Boundaries.** Beginning at lat. 48°03'30"N., long. 119°00'04"W.; to lat. 49°00'00"N., long. 119°00'04"W.; to lat. 49°00'00"N., long. 117°23'04"W.; via a line parallel to and 2 NM west of the west bank of the Pend Oreille River, WA; to lat. 48°38'00"N., long. 117°25'04"W.; to lat. 48°38'00"N., long. 118°10'34"W.; then via a line parallel to and 2 NM west of the west bank of the Columbia River, WA; to lat. 48°19'30"N., long. 118°14'34"W.; to the point of beginning.

**Altitudes.** 300 feet AGL to but not including 9,000 feet MSL. Excluding the airspace 1,500 feet AGL and below within a 3-NM radius of the Ferry County Airport, Republic, WA.

**Times of use.** Intermittent by NOTAM; contact nearest Flight Service Station.

**Controlling agency.** FAA, Seattle ARTCC

**Using agency.** U.S. Navy, Commanding Officer, NAS Whidbey Island, Oak Harbor, WA

ALTITUDES CHANGED 6/23/94

**Rose Hill MOA, AL**

**Boundaries.** 26 to 48 NM DME arc of the Dothan, VORTAC - between the 247° and 293° radials.

**Altitudes.** 8,000 feet MSL to but not including 18,000 feet MSL (FL 180).

**Times of use.** 0600-2400 Monday-Friday; other times by NOTAM.

**Controlling agency.** FAA, Jacksonville ARTCC.

**Using agency.** U.S. Air Force, 46<sup>TH</sup> Test Wing, Eglin AFB, FL.

USING AGENCY CHANGED 11/25/04

**Ruby 1 MOA, AZ**

**Boundaries.** Beginning at lat. 31°31'00"N., long. 111°38'32"W.; to lat. 31°43'30"N., long. 111°35'32"W.; to lat. 31°49'00"N., long. 111°32'02"W.; to lat. 31°49'00"N., long. 111°04'02"W.; to lat. 31°38'55"N., long. 111°04'57"W.; to lat. 31°22'05"N., long. 111°11'12"W.; thence along the United States/Mexico border to the point of beginning.

**Altitudes.** 10,000 feet MSL to but not including FL 180.

**Times of use.** 0600-1900 Monday-Friday; other times by NOTAM.

**Controlling agency.** FAA, Albuquerque ARTCC

**Using agency.** 162nd Tactical Fighter Group, Tucson, AZ

### **Saddle A MOA, OR**

**Boundaries.** Beginning at lat. 43°30'00"N., long. 117°35'04"W.; to lat. 43°30'00"N., long. 117°14'04"W.; to lat. 43°11'00"N., long. 117°08'04"W.; to lat. 42°52'30"N., long. 117°35'04"W.; to the point of beginning.

**Altitudes.** 10,000 feet MSL to but not including FL 180.

**Times of use.** Intermittent by NOTAM.

**Controlling agency.** FAA, Salt Lake City ARTCC

**Using agency.** 124th Tactical Reconnaissance Group, Idaho Air National Guard, Gowen Field, Boise, ID 83705

### **Saddle B MOA, OR**

**Boundaries.** Beginning at lat. 43°30'00"N., long. 117°35'04"W.; to lat. 42°52'30"N., long. 117°35'04"W.; to lat. 42°50'00"N., long. 117°38'04"W.; to lat. 42°47'00"N., long. 117°51'04"W.; to lat. 43°21'30"N., long. 118°35'04"W.; to lat. 43°30'00"N., long. 118°25'34"W.; to the point of beginning.

**Altitudes.** 8,000 feet MSL to but not including FL 180.

**Times of use.** Intermittent by NOTAM.

**Controlling agency.** FAA, Salt Lake City ARTCC

**Using agency.** 124th Tactical Reconnaissance Group, Idaho Air National Guard, Gowen Field, Boise, ID 83705

### **Salem MOA, MO**

**Boundaries.** Beginning at lat. 37°13'46"N., long. 90°34'02"W.; to lat. 37°43'13"N., long. 90°35'32"W.; to lat. 37°54'14"N., long. 91°09'09"W.; to lat. 37°41'28"N., long. 91°29'37"W.; thence via the 60 NM arc of the Farmington, MO, VORTAC to lat. 37°19'53"N., long. 91°24'55"W.; to lat. 37°10'35"N., long. 91°00'57"W.; to the point of beginning.

**Altitudes.** Surface to but not including 7,000 feet MSL, excluding that airspace 1,500 feet AGL and below within a 3 NM radius of the Viburnam Airport, Viburnam, MO, Bismark Airport, Bismark, MO, and Dove Airport, Middle Brook, MO.

**Times of use.** Intermittent by NOTAM.

**Controlling agency.** FAA, Kansas City ARTCC

**Using agency.** 131 Tactical Fighter Wing, Missouri Air National Guard, Lambert-St. Louis International Airport, MO

ALTITUDES CHANGED 6/23/94

**Salinas 1 MOA, PR**

**Boundaries.** Beginning at lat. 18°05'08"N., long. 66°18'25"W.; to lat. 18°02'53"N., long. 66°12'19"W.; to lat. 17°56'53"N., long. 66°16'44"W.; to lat. 18°00'51"N., long. 66°23'06"W.; to the point of beginning, excluding that airspace within R-7103A, R-7103B and R-7103C.

**Altitudes.** 500 feet AGL to 15,000 feet MSL.

**Times of use.** Intermittent, 0700-2200, daily.

**Controlling agency.** FAA CERAP, San Juan, PR

**Using agency.** 156<sup>th</sup> Airlift Wing, Puerto Rico Air National Guard.

USING AGENCY CHANGED 9/30/04

**Salinas 2 MOA, PR**

**Boundaries.** Beginning at lat. 18°05'08"N., long. 66°18'25"W.; to lat. 18°00'51"N., long. 66°23'06"W.; to lat. 18°03'08"N., long. 66°23'59"W.; to the point of beginning, excluding that airspace within R-7103A, R-7103B and R-7103C.

**Altitudes.** 500 feet AGL to 3,000 feet MSL.

**Times of use.** Intermittent, 0700-2200, daily.

**Controlling agency.** FAA CERAP, San Juan, PR

**Using agency.** 156<sup>th</sup> Airlift Wing, Puerto Rico Air National Guard.

USING AGENCY CHANGED 9/30/04

**Saline MOA, CA**

**Boundaries.** Beginning at lat. 37°12'00"N., long. 118°00'03"W.; to lat. 37°12'00"N., long. 117°20'03"W.; to lat. 36°30'00"N., long. 116°55'03"W.; to lat. 36°30'00"N., long. 117°48'03"W.; to lat. 36°46'00"N., long. 118°00'03"W.; to the point of beginning. Excluding that airspace 3000 feet AGL and below south and east of a line beginning at lat. 37°01'19"N., long. 117°13'39"W.; to lat. 37°01'19"N., long. 117°13'50"W.; at lat. 7°05'01"N., long. 117°18'54"W.; at lat. 37°05'05"N., long. 117°33'47"W.; at lat. 36°58'57"N., long. 117°33'47"W.; at lat. 36°58'56"N., long. 117°34'05"W.; at lat. 36°53'55"N., long. 117°34'11"W.; at lat. 36°53'51"N., long. 117°35'16"W.; at lat. 36°51'10"N., long. 117°35'16"W.; at lat. 36°51'08"N., long. 117°36'20"W.; at lat. 36°47'58"N., long. 117°36'18"W.; at lat. 36°47'51"N., long. 117°37'07"W.; at lat. 36°40'21"N., long. 117°37'08"W.; at lat. 36°40'21"N., long. 117°36'03"W.; at lat. 36°37'45"N., long. 117°36'05"W.; at lat. 36°37'45"N., long. 117°31'44"W.; at lat. 36°36'52"N., long. 117°31'44"W.; at lat. 36°36'56"N., long. 117°30'53"W.; at lat. 36°36'38"N., long. 117°30'36"W.; at lat. 36°36'31"N., long. 117°29'54"W.; at lat. 36°35'54"N., long. 117°29'43"W.; at lat. 36°35'27"N., long. 117°28'59"W.; at lat. 36°35'29"N., long. 117°28'41"W.; at lat. 36°34'21"N., long. 117°28'32"W.; at lat. 36°33'29"N., long. 117°28'45"W.; at lat. 36°32'39"N., long. 117°30'16"W.; at lat. 36°31'56"N., long. 117°30'08"W.; at lat. 36°31'29"N., long. 117°28'20"W.; at lat. 36°30'16"N., long. 117°25'34"W.; at lat. 36°30'00"N., long. 117°25'35"W.;



**Altitudes.** 200 feet AGL to but not including FL 180. Except 3,000 feet AGL floor over Death Valley National Monument.

**Times of use.** 0600-2200 Monday-Friday; other times by NOTAM.

**Controlling agency.** FAA, Hi-Desert TRACON, Edwards, CA.

**Using agency.** R-2508 Complex Control Board.

BOUNDARIES CHANGED 1/1/98

### **Sells 1 MOA, AZ**

**Boundaries.** Beginning at lat. 31°58'00"N., long. 113°05'33"W.; to lat. 32°11'30"N., long. 113°05'33"W.; to lat. 32°11'30"N., long. 112°56'48"W.; to lat. 32°29'00"N., long. 112°53'33"W.; to lat. 32°50'25"N., long. 112°49'03"W.; to lat. 32°50'52"N., long. 112°42'56"W.; to lat. 32°49'00"N., long. 112°39'03"W.; to lat. 32°38'30"N., long. 112°18'03"W.; to lat. 32°15'10"N., long. 111°36'02"W.; to lat. 31°57'45"N., long. 111°36'02"W.; to lat. 31°49'00"N., long. 111°32'02"W.; to lat. 31°43'30"N., long. 111°35'32"W.; to lat. 31°31'00"N., long. 111°38'32"W.; thence along the United States/Mexico border to the point of beginning, excluding Restricted Areas R-2304 and R-2305.

**Altitudes.** 10,000 feet MSL to but not including FL 180.

**Times of use.** 0600-1900 Monday-Friday; other times by NOTAM.

**Controlling agency.** FAA, Albuquerque ARTCC

**Using agency.** U.S. Air Force, 56th Fighter Wing, Luke AFB, AZ

USING AGENCY CHANGED 3/20/03

### **Sells Low MOA, AZ**

**Boundaries.** Beginning at lat. 31°58'00"N., long. 113°05'33"W.; to lat. 32°11'30"N., long. 113°05'33"W.; to lat. 32°11'30"N., long. 112°56'48"W.; to lat. 32°29'00"N., long. 112°53'33"W.; to lat. 32°29'00"N., long. 112°43'03"W.; to lat. 32°26'40"N., long. 112°43'33"W.; to lat. 32°26'40"N., long. 112°18'03"W.; to lat. 32°38'30"N., long. 112°18'03"W.; to lat. 32°15'10"N., long. 111°36'02"W.; to lat. 31°57'45"N., long. 111°36'02"W.; to lat. 31°49'00"N., long. 111°32'02"W.; to lat. 31°43'30"N., long. 111°35'32"W.; to lat. 31°31'00"N., long. 111°38'32"W.; thence along the United States/Mexico border to the point of beginning.

**Altitudes.** From 3,000 AGL up to but not including 10,000 MSL.

**Times of use.** 0600-1900 Monday-Friday; other times by NOTAM.

**Controlling agency.** FAA, Albuquerque ARTCC

**Using agency.** U.S. Air Force, 56th Fighter Wing, Luke AFB, AZ

USING AGENCY CHANGED 3/20/03

**Sevier A MOA, UT**

**Boundaries.** Beginning at lat. 39°23'00"N., long. 114°03'03"W.; to lat. 39°23'00"N., long. 113°19'03"W.; to lat. 39°39'50"N., long. 113°02'37"W.; to lat. 39°34'00"N., long. 112°55'03"W.; to lat. 39°00'00"N., long. 113°22'03"W.; to lat. 39°00'00"N., long. 113°59'03"W.; to the point of beginning.

**Altitudes.** 100 feet AGL to 14,500 feet MSL.

**Times of use.** 0500-2000 Monday-Saturday; other times by NOTAM.

**Controlling agency.** FAA, Salt Lake City ARTCC

**Using agency.** 388<sup>th</sup> Tactical Fighter Wing, Tactical Air Command, Hill AFB, UT 84406.

**Sevier B MOA, UT**

**Boundaries.** Beginning at lat. 38°30'00"N., long. 113°36'03"W.; to lat. 38°43'00"N., long. 113°56'03"W.; to lat. 39°00'00"N., long. 113°59'03"W.; to lat. 39°00'00"N., long. 113°22'03"W.; to lat. 39°34'00"N., long. 112°55'03"W.; to lat. 39°39'50"N., long. 113°02'37"W.; to lat. 40°00'00"N., long. 112°43'03"W.; to lat. 40°16'00"N., long. 112°43'03"W.; to lat. 40°25'00"N., long. 112°50'03"W.; to lat. 40°34'25"N., long. 112°56'38"W.; to lat. 40°31'00"N., long. 112°37'03"W.; to lat. 39°59'00"N., long. 112°32'03"W.; to lat. 39°47'00"N., long. 112°36'03"W.; to lat. 38°42'00"N., long. 113°04'03"W.; to the point of beginning.

**Altitudes.** 100 feet AGL to 9,500 feet MSL.

**Times of use.** 0500-2000 Monday-Saturday; other times by NOTAM.

**Controlling agency.** FAA, Salt Lake City ARTCC

**Using agency.** 6501 Range Squadron (AFSC), Hill AFB, UT 84406.

BOUNDARIES REVISED 10/18/90

**Sevier C MOA, UT**

**Boundaries.** Beginning at lat. 39°23'00"N., long. 114°03'03"W.; to lat. 39°00'00"N., long. 113°59'03"W.; to lat. 39°00'00"N., long. 113°22'03"W.; to lat. 39°34'00"N., long. 112°55'03"W.; to lat. 39°39'50"N., long. 113°02'37"W.; to lat. 39°23'00"N., long. 113°19'03"W.; to the point of beginning.

**Altitudes.** 14,500 feet MSL to but not including FL 180.

**Times of use.** By NOTAM 6 hours in advance.

**Controlling agency.** FAA, Salt Lake City ARTCC.

**Using agency.** USAF, Commander, 6501 Range Squadron (AFSC), Hill AFB, UT.

ADDED 8/23/90

**Sevier D MOA, UT**

**Boundaries.** Beginning at lat. 39°00'00"N., long. 113°59'03"W.; to lat. 38°43'00"N., long. 113°56'03"W.; to lat. 38°30'00"N., long. 113°36'03"W.; to lat. 38°42'00"N., long. 113°04'03"W.; to lat. 39°47'00"N., long. 112°36'03"W.; to lat. 39°59'00"N., long. 112°32'03"W.; to lat. 40°31'00"N., long. 112°37'03"W.; to lat. 40°34'25"N., long.

112°56'38"W.; to lat. 40°25'00"N., long. 112°50'03"W.; to lat. 40°16'00"N., long. 112°43'03"W.; to lat. 40°00'00"N., long. 112°43'03"W.; to lat. 39°39'50"N., long. 113°02'37"W.; to lat. 39°34'00"N., long. 112°55'03"W.; to lat. 39°00'00"N., long. 113°22'03"W.; to the point of beginning.

**Altitudes.** 9,500 feet MSL to but not including FL 180.

**Times of use.** By NOTAM 6 hours in advance.

**Controlling agency.** FAA, Salt Lake City ARTCC.

**Using agency.** USAF, Commander, 6501 Range Squadron (AFSC), Hill AFB, UT

BOUNDARIES REVISED 10/18/90

### **Seymour Johnson Echo MOA, NC**

**Boundaries.** Beginning at lat. 35°40'26"N., long. 78°27'59"W.; to lat. 35°26'31"N., long. 77°54'59"W.; to lat. 34°58'01"N., long. 78°03'29"W.; to lat. 35°01'01"N., long. 78°31'59"W.; to lat. 35°27'01"N., long. 78°37'59"W.; to the point of beginning.

**Altitudes.** 7,000 feet MSL to but not including FL 180.

**Times of use.** 0600-2000 Monday-Friday; other times by NOTAM. Contact nearest Flight Service Station.

**Controlling agency.** FAA, Washington ARTCC

**Using agency.** 4 Tactical Fighter Wing, Seymour Johnson AFB, NC

### **Sheppard 1 MOA, TX**

**Boundaries.** Beginning at lat. 34°46'24"N., long. 98°52'00"W.; to lat. 34°38'15"N., long. 98°48'31"W.; to lat. 34°38'15"N., long. 98°17'01"W.; to lat. 34°23'15"N., long. 98°25'46"W.; to lat. 34°19'30"N., long. 98°29'01"W.; to lat. 34°12'57"N., long. 98°32'06"W.; to lat. 34°09'39"N., long. 98°46'54"W.; to lat. 34°15'00"N., long. 99°00'01"W.; to lat. 34°23'30"N., long. 99°12'31"W.; to lat. 34°28'00"N., long. 99°08'01"W.; to lat. 34°35'36"N., long. 99°15'19"W.; thence clockwise via the 49 NM arc of the SPS VORTAC to the point of beginning.

**Altitudes.** 8,000 feet MSL to but not including FL 180.

**Times of use.** Normally, Monday-Friday, one hour before sunrise to one hour after sunset; other times by NOTAM.

**Controlling agency.** FAA, Fort Worth ARTCC

**Using agency.** 80th Flying Training Wing, Sheppard AFB, TX

BOUNDARIES AND CONTROLLING AGENCY CHANGED 2/9/89

### **Sheppard 2 MOA, TX**

**Boundaries.** Beginning at lat. 34°46'28"N., long. 97°56'55"W.; thence clockwise via the 57 NM arc of the SPS VORTAC to lat. 34°32'35"N., long. 97°39'47"W.; to lat. 33°54'26"N., long. 97°43'02"W.; to lat. 33°57'38"N., long. 98°17'40"W.; to lat. 34°09'30"N., long. 98°23'31"W.; to lat. 34°36'00"N., long. 98°05'46"W.; to the point of beginning.

**Altitudes.** 8,000 feet MSL to but not including FL 180.

**Times of use.** Normally, Monday-Friday, one hour before sunrise to one hour after sunset; other times by NOTAM.

**Controlling agency.** FAA, Fort Worth ARTCC

**Using agency.** 80th Flying Training Wing, Sheppard AFB, TX

BOUNDARIES AND CONTROLLING AGENCY CHANGED 2/9/89

#### **Shirley A MOA, AR**

**Boundaries.** Beginning at lat. 35°19'00"N., long. 092°38'00"W.; to lat. 35°19'00"N., long. 093°12'00"W.; to lat. 35°38'15"N., long. 093°35'00"W.; to lat. 36°02'00"N., long. 093°13'00"W.; to lat. 36°02'00"N., long. 092°38'00"W.; to the point of beginning.

**Designated altitudes.** 11,000 feet MSL to, but not including, FL 180.

**Time of designation.** 0700-1200 and 1300-1700, Monday-Friday; other times by NOTAM.

**Controlling agency.** FAA, Memphis ARTCC.

**Using agency.** Arkansas Air National Guard, 188<sup>th</sup> Fighter Wing, Ft. Smith, AR.

ADDED 2/11/10

#### **Shirley B MOA, AR**

**Boundaries.** Beginning at lat. 35°19'00"N., long. 092°38'00"W.; to lat. 36°02'00"N., long. 092°38'00"W.; to lat. 36°02'00"N., long. 091°55'01"W.; to lat. 35°58'53"N., long. 091°46'00"W.; to lat. 35°19'00"N., long. 092°02'00"W.; to the point of beginning.

**Designated altitudes.** 11,000 feet MSL to, but not including, FL 180.

**Time of designation.** 0700-1200 and 1300-1700, Monday-Friday; other times by NOTAM.

**Controlling agency.** FAA, Memphis ARTCC.

**Using agency.** Arkansas Air National Guard, 188<sup>th</sup> Fighter Wing, Ft. Smith, AR.

ADDED 2/11/10

#### **Shirley C MOA, AR**

**Boundaries.** Beginning at lat. 35°19'00"N., long. 092°02'00"W.; to lat. 35°58'53"N., long. 091°46'00"W.; to lat. 35°53'00"N., long. 091°28'30"W.; to lat. 35°38'00"N., long. 091°28'30"W.; to lat. 35°19'00"N., long. 091°45'01"W.; to the point of beginning.

**Designated altitudes.** 11,000 feet MSL to, but not including, FL 180.

**Time of designation.** By NOTAM.

**Controlling agency.** FAA, Memphis ARTCC.

**Using agency.** Arkansas Air National Guard, 188<sup>th</sup> Fighter Wing, Ft. Smith, AR.

ADDED 2/11/10

**Shoshone MOA, CA**

**Boundaries.** Beginning at lat. 36°30'00"N., long. 116°55'03"W.; to lat. 36°30'00"N., long. 116°47'03"W.; to lat. 36°06'00"N., long. 116°18'03"W.; to lat. 35°39'00"N., long. 115°53'03"W.; to lat. 35°18'45"N., long. 116°18'48"W.; to lat. 35°28'35"N., long. 116°18'48"W.; to lat. 35°34'30"N., long. 116°23'33"W.; to the point of beginning. Excluding that airspace (1) 3000 feet AGL and below north and west of a line from beginning: at lat. 35°39'03"N., long. 116°26'06"W.; to lat. 35°39'03"N., long. 116°21'48"W.; to lat. 35°48'14"N., long. 116°21'49"W.; to lat. 35°48'11"N., long. 116°29'41"W.; to lat. 35°52'17"N., long. 116°29'43"W.; to lat. 35°52'18"N., long. 116°29'22"W.; to lat. 35°58'22"N., long. 116°29'26"W.; to lat. 35°58'23"N., long. 116°35'47"W.; to lat. 36°10'08"N., long. 116°35'47"W.; to lat. 36°10'11"N., long. 116°38'58"W.; to lat. 36°17'57"N., long. 116°39'01"W.; to lat. 36°17'58"N., long. 116°40'33"W.; to lat. 36°18'30"N., long. 116°41'05"W.; to lat. 36°24'54"N., long. 116°41'04"W.; to lat. 36°24'54"N., long. 116°40'51"W.; (2) 1500 feet AGL and below within a 3NM radius of the Shoshone airport.

**Altitudes.** 200 feet AGL to but not including FL 180. Except 3,000 feet AGL floor over Death Valley National Monument. Except 1,500 feet AGL within a 3 NM radius of the following airport: Shoshone.

**Times of use.** 0600-2200 Monday-Friday; other times by NOTAM.

**Controlling agency.** FAA, Los Angeles ARTCC

**Using agency.** R-2508 Complex Control Board.

BOUNDARIES CHANGED 11/6/97

**Silver MOA North, CA**

**Boundaries.** Beginning at lat. 35°39'00"N., long. 115°53'03"W.; to lat. 35°24'30"N., long. 115°53'03"W.; to lat. 35°06'50"N., long. 116°20'00"W.; to lat. 35°04'30"N., long. 116°29'00"W.; to lat. 35°07'00"N.; long. 116°34'03"W.; to point of beginning. Excluding the airspace below 3,000 feet AGL within a 3NM radius of the town of Baker, CA (lat. 35°16'00"N long. 116°04'33"W;) and R-2502A.

**Designated altitudes.** 200 feet AGL to 9,000 feet MSL.

**Time of use.** Intermittent by NOTAM.

**Controlling agency.** FAA, Los Angeles ARTCC.

**Using agency.** USAF, 57<sup>th</sup> Wing, Nellis AFB, NV.

BOUNDARIES CHANGED 12/17/09

**Silver MOA South, CA**

**Boundaries.** Beginning at lat. 35°07'00"N., long. 116°34'03"W.; to lat. 35°04'30"N., long. 116°29'00"W.; to lat. 35°01'20"N., long. 116°41'03"W.; to point of beginning.

**Designated altitudes.** 200 feet AGL to 7,000 feet MSL.

**Time of use.** Intermittent by NOTAM.

**Controlling agency.** FAA, Los Angeles ARTCC.

**Using agency.** USAF, 57<sup>th</sup> Wing, Nellis AFB, NV.

DESIGNATED ALTITUDES CHANGED 11/23/06

### **Smitty MOA, NM**

**Boundaries.** Beginning at lat. 34°19'30"N., long. 108°48'00"W.; to lat. 34°17'00"N., long. 107°11'00"W.; to lat. 34°09'30"N., long. 107°11'00"W.; to lat. 33°27'58"N., long. 108°04'32"W.; to lat. 33°54'00"N., long. 108°48'00"W.; to the point of beginning, excluding that airspace at and below 2,000' AGL, within a 3 NM radius of the Magdalena Airport and within a 1 NM radius of lat. 34°07'00"N., long 107°14'38"W.; and below 2,000' AGL over the Withington Wilderness Area.

**Altitudes.** 500' AGL to but not including 13,500' MSL, excluding the airspace below 1,600' AGL west of a line from lat. 34°18'47"N., long. 108°14'52"W.; to lat. 33°58'51"N., long. 108°13'14"W.; to lat. 33°52'01"N., long. 108°19'44"W.; to lat. 33°39'16"N., long. 108°23'17"W.

**Times of use.** 0800-2200 local time, daily

**Controlling agency.** FAA, Albuquerque ARTCC

**Using agency.** Air National Guard, 150 FW, Kirtland AFB, NM.

ADDED 7/5/07

### **Smoky High MOA, KS**

**Boundaries.** Beginning at lat. 38°48'22"N., long. 98°14'30"W.; to lat. 38°48'30"N., long. 98°09'01"W.; to lat. 38°45'20"N., long. 97°56'01"W.; to lat. 38°35'00"N., long. 97°56'01"W.; to lat. 38°35'00"N., long. 97°50'01"W.; to lat. 38°38'20"N., long. 97°50'01"W.; to lat. 38°38'20"N., long. 97°47'31"W.; then northeast along the Missouri Pacific Railroad Track; to lat. 38°39'45"N., long. 97°46'01"W.; to lat. 38°27'20"N., long. 97°50'01"W.; to lat. 38°27'20"N., long. 98°02'46"W.; to lat. 38°24'13"N., long. 98°14'30"W.; to the point of beginning.

**Altitudes.** 5,000 feet MSL to but not including FL 180.

**Times of use.** 0900-1700 Monday-Saturday; other times by NOTAM.

**Controlling agency.** FAA, Kansas City ARTCC

**Using agency.** Air National Guard, 184<sup>th</sup> Air Refueling Wing, Detachment 1, Smoky Hill ANG Range, Salina, KS.

BOUNDARIES AND USING AGENCY CHANGED 8/30/07

### **Smoky MOA, KS**

**Boundaries.** Beginning at lat. 38°48'22"N., long. 98°14'30"W.; to lat. 38°48'30"N., long. 98°09'01"W.; to lat. 38°45'20"N., long. 97°56'01"W.; to lat. 38°35'00"N., long. 97°56'01"W.; to lat. 38°35'00"N., long. 97°50'01"W.; to lat. 38°38'20"N., long. 97°50'01"W.; to lat.

38°38'20"N., long. 97°47'31"W.; then northeast along the Missouri Pacific Railroad Track; to lat. 38°39'45"N., long. 97°46'01"W.; to lat. 38°27'20"N., long. 97°50'01"W.; to lat. 38°27'20"N., long. 98°02'46"W.; to lat. 38°24'13"N., long. 98°14'30"W.; to the point of beginning.

**Altitudes.** 500 feet AGL to but not including 5,000 feet MSL The airspace 1,500 AGL and below within a 3 NM radius of the Ellsworth Municipal Airport, KS is excluded from the MOA.

**Times of use.** 0900-1700 Monday-Saturday; other times by NOTAM.

**Controlling agency.** FAA, Kansas City ARTCC

**Using agency.** Air National Guard, 184<sup>th</sup> Air Refueling Wing, Detachment 1, Smoky Hill ANG Range, Salina, KS.

BOUNDARIES, ALTITUDES AND USING AGENCY CHANGED 8/30/07

### **Snoopy East MOA, MN**

**Boundaries.** Beginning at lat. 47°00'00"N., long. 91°25'01"W.; to lat. 47°45'00"N., long. 90°05'00"W.; to lat. 47°05'00"N., long. 90°05'01"W.; to lat. 47°05'00"N., long. 90°45'01"W.; to lat. 47°00'00"N., long. 91°00'01"W.; to the point of beginning; excluding the airspace below 6,000 feet MSL within 5 NM of the Apostle Islands National Lakeshore.

**Altitudes.** 300 feet AGL to but not including FL 180.

**Times of use.** By NOTAM (normally intermittently 0800-2200, Monday-Saturday).

**Controlling agency.** FAA, Minneapolis ARTCC

**Using agency.** U.S. Air Force, 148th Fighter Interceptor Group (FIG), Duluth International Airport, MN

ADDED 11/14/91

### **Snoopy West MOA, MN**

**Boundaries.** Beginning at lat. 47°13'00"N., long. 92°16'06"W.; to lat. 47°54'00"N., long. 92°24'31"W.; to lat. 47°45'00"N., long. 91°30'01"W.; to lat. 47°45'00"N., long. 90°05'00"W.; to lat. 47°00'00"N., long. 91°25'01"W.; to lat. 47°00'00"N., long. 91°40'01"W.; thence via a 25 NM DME arc of the Duluth VORTAC to the point of beginning.

**Altitudes.** 6,000 feet MSL to but not including FL 180.

**Times of use.** By NOTAM (normally intermittently 0800-2200, Monday-Saturday).

**Controlling agency.** FAA, Minneapolis ARTCC

**Using agency.** U.S. Air Force, 148th Fighter Interceptor Group, (FIG), Duluth International Airport, MN

ADDED 11/14/91

**Snowbird MOA, TN**

**Boundaries.** Beginning at lat. 35°47'00"N., long. 83°37'30"W.; to lat. 35°35'00"N., long. 82°49'45"W.; to lat. 35°08'40"N., long. 83°01'30"W.; to lat. 35°07'45"N., long. 83°48'10"W.; to lat. 35°40'00"N., long. 83°47'40"W.; to the point of beginning.

**Altitudes.** 11,000 feet MSL to but not including FL 180.

**Times of use.** Intermittent, 0800-2100 local time daily, by NOTAM.

**Controlling agency.** FAA, Atlanta ARTCC

**Using agency.** FAA, Atlanta ARTCC

ADDED 5/3/90

**Steelhead MOA, MI**

**Boundaries.** Beginning at lat. 43°26'00"N., long. 82°44'00"W.; to lat. 43°38'30"N., long. 83°32'00"W.; to lat. 44°17'20"N., long. 83°43'00"W.; to lat. 44°17'00"N., long. 83°27'00"W.; to lat. 43°53'15"N., long. 82°11'18"W.; to lat. 43°35'28"N., long. 82°07'22"W.; to lat. 43°33'54"N., long. 82°08'10"W.; to the point of beginning.

**Altitudes.** 6,000 MSL to but not including FL 180.

**Time of use.** 0700 to 1800, Monday through Saturday, other times by NOTAM.

**Controlling Agency.** FAA, Minneapolis ARTCC.

**Using Agency.** U. S. Air Force, Alpena Combat Readiness Training Center (CRTCC), Alpena, MI.

CONTROLLING AGENCY CHANGED 1/15/09

**Stony A MOA, AK**

**Boundaries:** Beginning at lat. 62°31'28"N, long. 155°48'08"W; to lat. 61°51'22"N, long. 153°14'44"W; to lat. 61°25'01"N, long. 153°38'39"W; to lat. 61°23'58"N, long. 155°35'08"W; thence northward along the east bank of the Stony River until it joins the the Kuskokwim River; thence northward along the east bank of the Kuskokwim River; to the point of beginning. Excluding that airspace 1,500 feet AGL and below within a 3 NM radius of the Stony River Airport (centered at lat. 61°47'24"N, long. 156°35'17"W;).

**Altitudes.** 100 feet AGL up to but not including FL 180.

**Times of use.** 0800-1800, Monday-Friday; by NOTAM for other times between 0700-2200, Monday-Friday.

**Controlling agency.** FAA Anchorage ARTCC.

**Using agency.** USAF, 3 WG, Elemendorf AFB, AK

TIMES OF USE CHANGED 1/15/09



**Stony B MOA, AK**

**Boundaries.** Beginning at lat. 61°23'58"N., long. 155°35'08"W.; to lat. 61°22'58"N., long. 156°25'08"W.; to lat. 61°37'12"N., long. 158°14'09"W.; to lat. 61°52'57"N., long. 158°06'09"W.; to lat. 62°34'58"N., long. 156°00'08"W.; to lat. 62°31'28"N., long. 155°48'08"W.; thence southward along the east bank of the Kuskokwim River until it joins the Stony River, thence southward along the east bank of the Stony River until it joins the point of beginning.

**Altitudes:** 2,000 feet AGL to but not including FL 180.

**Times of use.** 0800-1800, Monday-Friday; by NOTAM for other times between 0700-2200, Monday-Friday.

**Controlling agency.** FAA, Anchorage ARTCC

**Using agency.** USAF, 3 WG, Elmendorf AFB, AK

TIMES OF USE CHANGED 1/15/09

**Stumpy Point MOA, NC**

**Boundaries.** Beginning at lat. 35°39'01"N., long. 75°45'49"W.; to lat. 35°39'01"N., long. 75°33'59"W.; to lat. 35°33'01"N., long. 75°33'59"W.; to lat. 35°27'01"N., long. 75°37'59"W.; to lat. 35°27'01"N., long. 75°48'19"W.; to lat. 35°34'41"N., long. 75°48'19"W.; to lat. 35°34'41"N., long. 75°46'49"W.; to the point of beginning.

**Altitudes.** Surface to but not including 8,000feet MSL.

**Times of use.** Intermittent, sunrise-2300 Monday-Friday; other times by NOTAM.

**Controlling agency.** FAA, Washington ARTCC.

**Using agency.** U. S. Navy, Fleet Area Control and Surveillance Facility Virginia Beach Naval Air Station, Oceana, VA.

**Sundance MOA, CA**

**Boundaries.** Beginning at lat. 34°14'00"N., long. 116°06'03"W.; to lat. 34°14'00"N., long. 115°44'03"W.; to lat. 34°11'00"N., long. 115°47'33"W.; to lat. 34°11'00"N., long. 116°06'03"W.; to the point of beginning.

**Altitudes.** 500 feet AGL to and including 10,000 feet MSL; excluding a 1-mile radius of the MAF Airpark surface to 1,500 feet AGL and a 1-mile wide corridor, extending from the center of the airport on a straight line south to the edge of the MOA.

**Times of use.** Intermittent by NOTAM.

**Controlling agency.** FAA, Los Angeles ARTCC.

**Using agency.** Marine Corps Air Ground Combat Center, Twentynine Palms, CA.

**Sunny MOA, AZ**

**Boundaries.** Beginning at lat. 35°53'30"N., long. 111°39'33"W.; to lat. 36°02'00"N., long. 111°15'03"W.; to lat. 35°57'30"N., long. 110°30'02"W.; to lat. 35°54'00"N., long. 110°21'02"W.; to lat. 35°32'00"N., long. 110°21'02"W.; to lat. 35°24'00"N., long.

110°34'02"W.; to lat. 35°24'00"N., long. 111°39'03"W.; to lat. 35°27'00"N., long. 111°53'03"W.; to the point of beginning.

**Altitudes.** 12,000 feet MSL up to but not including FL 180.

**Times of use.** By NOTAM 24 hours in advance.

**Controlling agency.** FAA, Albuquerque ARTCC

**Using agency.** U.S. Air Force, 56th Fighter Wing, Luke AFB, AZ

USING AGENCY CHANGED 3/20/03

### **Susitna MOA, AK**

**Boundaries.** Beginning at lat. 62°18'34"N., long. 152°40'14"W.; thence clockwise on the 89 DME arc of the BGQ VORTAC; to lat. 63°00'43"N., long. 150°41'38"W.; to lat. 62°14'08"N., long. 150°18'20"W.; thence counterclockwise on the 41 DME arc of the BGQ VORTAC; to lat. 61°54'58"N., long. 151°12'53"W.; thence to the point of beginning.

**Altitudes.** 10,000 feet MSL or 5,000 feet AGL, whichever is higher, to but not including FL 180.

**Times of use.** Intermittent, 0800-1800, Monday-Friday; other times by NOTAM.

**Controlling agency.** FAA, Anchorage ARTCC

**Using agency.** USAF, 3 WG, Elmendorf AFB, AK.

TIMES OF USE CHANGED 1/15/09

### **Taiban MOA, NM**

**Boundaries.** Beginning at lat. 34°34'36"N., long. 104°07'00"W.; to lat. 34°33'00"N., long. 103°55'02"W.; to lat. 34°10'00"N., long. 103°55'02"W.; to lat. 34°10'00"N., long. 104°07'00"W.; to the point of beginning.

**Altitudes.** 500 feet AGL to but not including 11,000 feet MSL.

**Times of use.** 0800-2400, Monday-Friday, other times by NOTAM.

**Controlling agency.** FAA, Albuquerque ARTCC

**Using Agency.** U.S. Air Force, 27th Special Operations Wing, Cannon AFB, NM.

USING AGENCY CHANGED 1/15/09

### **Talon High East MOA, NM**

**Boundaries.** Beginning at lat. 33°00'13"N., long. 104°37'41"W.; thence counterclockwise via the 20 NM arc of the CHISM (CME) VORTAC to lat. 33°01'48"N.; long. 104°28'00"W.; to lat. 32°24'52"N.; long. 104°09'35"W.; thence clockwise via the 60 NM arc of CME VORTAC to lat. 32°20'08"N.; long. 104°38'31"W.; to the point of beginning.

**Altitudes.** 12,500 feet MSL up to, but not including FL 180.

**Times of use.** Sunrise-sunset Monday-Friday; other times by NOTAM.

**Controlling agency.** FAA, Albuquerque ARTCC.

**Using agency.** U.S. Air Force, 49<sup>th</sup> Fighter Wing, Holloman AFB, NM.

ADDED 2/21/02

**Talon High West MOA, NM**

**Boundaries.** Beginning at lat. 33°01'42"N., long. 104°46'16"W.; thence counterclockwise via the 20 NM arc of the CHISM (CME) VORTAC to lat. 33°00'13"N.; long. 104°37'41"W.; to lat. 32°13'08"N.; long. 104°38'39"W.; thence clockwise via the 67 NM arc of CME VORTAC to lat. 32°22'00"N.; long. 105°17'00"W.; to the point of beginning.

**Altitudes.** 12,500 feet MSL up to, but not including FL 180.

**Times of use.** Sunrise-sunset Monday-Friday; other times by NOTAM.

**Controlling agency.** FAA, Albuquerque ARTCC.

**Using agency.** U.S. Air Force, 49<sup>th</sup> Fighter Wing, Holloman AFB, NM.

ADDED 2/21/02

**Talon Low MOA, NM**

**Boundaries.** Beginning at lat. 32°48'56"N., long. 104°56'12"W.; thence counterclockwise via the 35 NM arc of the CHISM (CME) VORTAC to lat. 32°45'11"N.; long. 104°38'00"W.; to lat. 32°13'08"N.; long. 104°38'39"W.; to lat. 32°07'00"N.; long. 105°21'30"W.; to lat. 32°18'00"N.; long. 105°20'06"W.; to the point of beginning.

**Altitudes.** 300 feet AGL up to, but not including 12,500 feet MSL.

**Times of use.** Sunrise-sunset Monday-Friday; other times by NOTAM.

**Controlling agency.** FAA, Albuquerque ARTCC.

**Using agency.** U.S. Air Force, 49<sup>th</sup> Fighter Wing, Holloman AFB, NM.

ADDED 2/21/02

**Texon MOA, TX**

**Boundaries.** Beginning at lat. 31°23'31"N., long. 101°15'01"W.; to lat. 30°54'01"N., long. 101°15'01"W.; to lat. 30°57'01"N., long. 102°00'01"W.; to lat. 31°27'31"N., long. 102°00'01"W.; to the point of beginning.

**Altitudes.** 6,000 feet MSL to but not including FL 180. ATC assigned airspace will be provided from FL 180 to FL 230.

**Times of use.** Sunrise-sunset Monday-Friday; other times by NOTAM.

**Controlling agency.** FAA, Houston ARTCC

**Using agency.** U.S. Air Force, 12th Flying Training Wing, Randolph Air Force Base, TX

USING AGENCY CHANGED 9/11/97

**Tiger North MOA, ND**

**Boundaries.** Beginning at lat. 49°00'00"N., long. 100°15'01"W.; eastward along the U.S./Canadian Border; to lat. 49°00'00"N., long. 98°10'01"W.; to lat. 48°32'00"N., long. 98°10'01"W.; to lat. 48°30'00"N., long. 99°13'01"W.; to lat. 48°41'00"N., long. 100°15'01"W.; to the point of beginning.

**Altitudes.** 300 feet AGL to but not including FL 180, excluding the airspace at and below 1,500 feet AGL within a 3 NM radius of the Rollete, Rolla, and Robertson Airports; and

excluding the airspace below 3,000 feet AGL within that portion of the MOA north of lat. 48°55'00"N. and west of long. 99°41'02"W.

**Times of use.** Intermittent by NOTAM.

**Controlling agency.** FAA, Minneapolis ARTCC.

**Using agency.** 25th Air Division, McChord AFB, WA.

TIMES OF USE CHANGED 7/27/89

### **Tiger South MOA, ND**

**Boundaries.** Beginning at lat. 48°41'00"N., long. 100°15'01"W.; to lat. 48°30'00"N., long. 99°13'01"W.; to lat. 48°32'00"N., long. 98°10'01"W.; to lat. 48°08'00"N., long. 98°10'01"W.; to lat. 48°17'00"N., long. 100°15'01"W.; to the point of beginning.

**Altitudes.** 6,000 feet MSL to but not including FL 180.

**Times of use.** Intermittent by NOTAM.

**Controlling agency.** FAA, Minneapolis ARTCC.

**Using agency.** 25th Air Division, McChord AFB, WA.

TIMES OF USE CHANGED 7/27/89

### **Tombstone A MOA, AZ**

**Boundaries.** Beginning at lat. 31°56'45"N., long. 109°43'36"W.; to lat. 31°52'34"N., long. 109°02'47"W.; to lat. 31°47'00"N., long. 109°02'47"W.; to lat. 31°38'14"N., long. 109°22'53"W.; thence via the 15 DME arc of the Douglas, AZ, VORTAC to lat. 31°43'20"N., long. 109°34'34"W.; to lat. 31°43'35"N., long. 109°41'02"W.; to lat. 31°40'40"N., long. 109°48'22"W.; to lat. 31°42'15"N., long. 109°52'32"W.; to lat. 31°48'05"N., long. 109°54'47"W.; to the point of beginning.

**Altitudes.** 500 feet AGL to but not including 14,500 feet MSL.

**Times of use.** 0600-2100 Monday-Friday; other times by NOTAM.

**Controlling agency.** FAA, Albuquerque ARTCC.

**Using agency.** U.S. Air Force, 355th Wing, Davis-Monthan AFB, AZ.

USING AGENCY CHANGED 6/23/94

### **Tombstone B MOA, AZ**

**Boundaries.** Beginning at lat. 31°30'00"N., long. 109°21'12"W.; to lat. 31°38'50"N., long. 109°00'02"W.; to lat. 31°42'15"N., long. 108°47'02"W.; to lat. 31°50'05"N., long. 108°31'02"W.; to lat. 31°49'00"N., long. 108°12'02"W.; to lat. 31°20'00"N., long. 108°12'02"W.; to lat. 31°20'00"N., long. 109°21'12"W.; to the point of beginning.

**Altitudes.** 500 feet AGL to but not including 14,500 feet MSL.

**Times of use.** 0600-2100 Monday-Friday; other times by NOTAM.

**Controlling agency.** FAA, Albuquerque ARTCC.

**Using agency.** U.S. Air Force, 355th Wing, Davis-Monthan AFB, AZ.

USING AGENCY CHANGED 6/23/94

### **Tombstone C MOA, AZ**

**Boundaries.** Beginning at lat. 31°53'15"N., long. 110°00'02"W.; to lat. 31°55'00"N., long. 109°58'02"W.; to lat. 31°57'00"N., long. 109°46'02"W.; to lat. 31°51'00"N., long. 108°48'02"W.; to lat. 31°49'00"N., long. 108°12'02"W.; to lat. 31°20'00"N., long. 108°12'02"W.; to lat. 31°20'00"N., long. 110°00'02"W.; to the point of beginning.

**Altitudes.** 14,500 feet MSL to but not including FL 180.

**Times of use.** 0600-2100 Monday-Friday; other times by NOTAM.

**Controlling agency.** FAA, Albuquerque ARTCC.

**Using agency.** U.S. Air Force, 355th Wing, Davis-Monthan AFB, AZ.

USING AGENCY CHANGED 6/23/94

### **Tortugas MOA, FL**

**Boundaries.** The airspace within an area bounded by a line 12 NM from and parallel to the shoreline of the Dry Tortugas Islands.

**Altitudes.** 5,000 feet MSL to but not including FL 180.

**Times of use.** Intermittent, 0700-2300 daily, other times by NOTAM.

**Controlling agency.** FAA, Miami ARTCC.

**Using agency.** U.S. Navy, Commanding Officer, NAS Key West, FL.

ADDED 10/10/96

### **Truman A MOA, MO**

**Boundaries.** Beginning at lat. 38°59'00"N., long. 93°45'01"W.; to lat. 38°56'00"N., long. 92°59'01"W.; to lat. 38°41'30"N., long. 92°37'15"W.; to lat. 38°30'00"N., long. 93°44'58"W.; to lat. 38°49'30"N., long. 93°54'31"W.; to the point of beginning.

**Altitudes.** 8,000 feet MSL to but not including FL 180.

**Times of use.** 0600-2400 local time daily; other times by NOTAM.

**Controlling agency.** FAA, Kansas City ARTCC.

**Using agency.** U.S. Air Force, 509<sup>th</sup> Bomb Wing, Whiteman AFB, MO.

USING AGENCY CHANGED 6/13/02

**Truman B MOA, MO**

**Boundaries.** Beginning at lat. 38°30'00"N., long. 93°44'58"W.; to lat. 38°41'30"N., long. 92°37'15"W.; to lat. 38°40'00"N., long. 92°35'01"W.; to lat. 38°21'50"N., long. 92°47'51"W.; to lat. 38°24'00"N., long. 93°02'01"W.; to lat. 38°15'00"N., long. 93°37'01"W.; to the point of beginning.

**Altitudes.** 8,000 feet MSL to but not including FL 180.

**Times of use.** 0600-2400 local time daily; other times by NOTAM.

**Controlling agency.** FAA, Kansas City ARTCC.

**Using agency.** U.S. Air Force, 509<sup>th</sup> Bomb Wing, Whiteman AFB, MO.

USING AGENCY CHANGED 6/13/02

**Truman C MOA, MO**

**Boundaries.** Beginning at lat. 38°15'00"N., long. 93°37'01"W.; to lat. 38°24'00"N., long. 93°02'01"W.; to lat. 38°21'50"N., long. 92°47'51"W.; to lat. 38°02'00"N., long. 93°00'01"W.; to lat. 38°00'00"N., long. 93°29'01"W.; to the point of beginning.

**Altitudes.** 500 feet AGL to but not including FL 180; excluding the airspace below 1,500 feet AGL within a 3NM radius of the town of Warsaw, MO.

**Times of use.** 0600-2400 local time daily; other times by NOTAM.

**Controlling agency.** FAA, Kansas City ARTCC.

**Using agency.** U.S. Air Force, 509<sup>th</sup> Bomb Wing, Whiteman AFB, MO.

USING AGENCY CHANGED 6/13/02

**Tupper Central MOA, NY**

**Boundaries.** Beginning at lat. 44°36'00"N., long. 74°35'00"W.; to lat. 44°36'00"N., long. 74°21'00"W.; to lat. 44°14'00"N., long. 74°21'00"W.; to lat. 44°06'00"N., long. 74°12'00"W.; to lat. 43°53'00"N., long. 74°12'00"W.; to lat. 43°53'00"N., long. 75°03'00"W.; to lat. 44°15'00"N., long. 74°35'00"W.; to the point of beginning.

**Altitudes.** May 1-October 31: 8,000 feet MSL to but not including FL 180; November 1-April 30: 6,000 feet MSL to but not including FL 180.

**Times of use.** May 1-August 31: 0800-1700 Monday-Friday; other times by NOTAM.

September 1-April 30: 0800-2200 Monday-Friday; other times by NOTAM.

**Controlling agency.** FAA, Boston ARTCC.

**Using agency.** NY ANG, 174FW/Det 1, Fort Drum, NY

ADDED 11/20/08

**Tupper East MOA, NY**

**Boundaries.** Beginning at lat. 44°36'00"N., long. 74°21'00"W.; to lat. 44°36'00"N., long. 74°12'00"W.; to lat. 44°06'00"N., long. 74°12'00"W.; to lat. 44°14'00"N., long. 74°21'00"W.; to the point of beginning.

**Altitudes.** 10,000 feet MSL to but not including FL 180.

**Times of use.** May 1-August 31: 0800-1700 Monday-Friday; other times by NOTAM.  
September 1-April 30: 0800-2200 Monday-Friday; other times by NOTAM.

**Controlling agency.** FAA, Boston ARTCC.

**Using agency.** NY ANG, 174FW/Det 1, Fort Drum, NY

ADDED 11/20/08

### **Tupper South MOA, NY**

**Boundaries.** Beginning at lat. 43°53'00"N., long. 75°03'00"W.; to lat. 43°53'00"N., long. 74°12'00"W.; to lat. 43°40'00"N., long. 74°12'00"W.; to lat. 43°30'00"N., long. 74°21'00"W.; to lat. 43°30'00"N., long. 75°03'00"W.; to the point of beginning.

**Altitudes.** May 1-October 31: 8,000 feet MSL to but not including FL 180; November 1-April 30: 6,000 feet MSL to but not including FL 180.

**Times of use.** May 1-August 31: 0800-1700 Monday-Friday; other times by NOTAM.  
September 1-April 30: 0800-2200 Monday-Friday; other times by NOTAM.

**Controlling agency.** FAA, Boston ARTCC.

**Using agency.** NY ANG, 174FW/Det 1, Fort Drum, NY

ADDED 11/20/08

### **Tupper West MOA, NY**

**Boundaries.** Beginning at lat. 44°36'00"N., long. 75°03'00"W.; to lat. 44°36'00"N., long. 74°35'00"W.; to lat. 44°15'00"N., long. 74°35'00"W.; to lat. 43°53'00"N., long. 75°03'00"W.; to the point of beginning.

**Altitudes.** May 1-October 31: 8,000 feet MSL to but not including FL 180; November 1-April 30: 6,000 feet MSL to but not including FL 180.

**Times of use.** May 1-August 31: 0800-1700 Monday-Friday; other times by NOTAM.  
September 1-April 30: 0800-2200 Monday-Friday; other times by NOTAM.

**Controlling agency.** FAA, Boston ARTCC.

**Using agency.** NY ANG, 174FW/Det 1, Fort Drum, NY

ADDED 11/20/08

### **Turtle MOA, AZ**

**Boundaries.** Beginning at lat. 34°42'00"N., long. 115°16'03"W.; to lat. 34°40'00"N., long. 114°00'03"W.; to lat. 34°23'00"N., long. 114°00'03"W.; to lat. 34°14'00"N., long. 114°30'03"W.; to lat. 34°14'00"N., long. 115°30'03"W.; to lat. 34°19'00"N., long. 115°25'03"W.; to the point of beginning.

**Altitudes.** 11,000 feet MSL to but not including FL 180.

**Times of use.** 0600-1600 PST Monday-Friday; other times by NOTAM.

**Controlling agency.** FAA, Los Angeles ARTCC

**Using agency.** Marine Corps Air Station, Yuma, AZ

TIMES OF USE CHANGED 1/9/92

### **Twelve Mile East MOA, IN**

**Boundaries.** Beginning at lat. 41°03'00"N., long. 86°40'00"W.; to lat. 41°00'00"N., long. 86°09'00"W.; to lat. 40°48'00"N., long. 86°09'09"W.; to lat. 40°48'00"N., long. 86°46'00"W.; to lat. 40°45'00"N., long. 86°51'00"W.; to the point of beginning.

**Altitudes.** 500 feet AGL up to but not including 10,000 MSL.

**Times of use.** Monday-Saturday 0900-sunset+30; other times by NOTAM.

**Controlling agency.** FAA, Chicago ARTCC.

**Using agency.** 122 Fighter Wing, Indiana Air National Guard, Fort Wayne, IN.

ADDED 1/1/98

### **Twelve Mile West MOA, IN**

**Boundaries.** Beginning at lat. 41°03'00"N., long. 86°40'00"W.; to lat. 41°05'00"N., long. 86°58'00"W.; to lat. 41°01'00"N., long. 87°06'00"W.; to lat. 40°45'00"N., long. 86°52'00"W.; to lat. 40°45'00"N., long. 86°51'00"W.; to the point of beginning.

**Altitudes.** 500 feet AGL up to but not including 6,000 feet MSL.

**Times of use.** Monday-Saturday 0900-sunset+30; other times by NOTAM.

**Controlling agency.** FAA, Chicago ARTCC.

**Using agency.** 122 Fighter Wing, Indiana Air National Guard, Fort Wayne, IN.

ADDED 1/1/98

### **Two Buttes High MOA, CO**

**Boundaries.** Beginning at lat. 37°52'54"N., long. 103°31'12"W.; to lat. 37°59'00"N., long. 103°00'00"W.; to lat. 37°51'00"N., long. 102°28'06"W.; to lat. 37°41'36"N., long. 102°18'42"W.; to lat. 37°19'36"N., long. 103°17'30"W.; to lat. 37°27'18"N., long. 103°31'06"W.; thence to the point of beginning.

**Altitudes.** 10,000 feet MSL to but not including FL 180.

**Times of use.** Sunrise to sunset, Tuesday-Saturday, other times by NOTAM except between 2200 to 0700 local hours.

**Controlling agency.** FAA, Denver ARTCC.

**Using agency.** 140<sup>th</sup> Tactical Fighter Wing, Buckley Air National Guard Base, CO.

ADDED 12/30/99



**Two Buttes Low MOA, CO**

**Boundaries.** Beginning at lat. 37°52'54"N., long. 103°31'12"W.; to lat. 37°59'00"N., long. 103°00'00"W.; to lat. 37°51'00"N., long. 102°28'06"W.; to lat. 37°41'36"N., long. 102°18'42"W.; to lat. 37°19'36"N., long. 103°17'30"W.; to lat. 37°27'18"N., long. 103°31'06"W.; thence to the point of beginning.

**Altitudes.** 300 feet AGL to but not including 10,000 MSL.

**Times of use.** Intermittent by NOTAM except between 2200 and 0700 local hours.

**Controlling agency.** FAA, Denver ARTCC.

**Using agency.** 140<sup>th</sup> Tactical Fighter Wing, Buckley Air National Guard Base, CO.

ADDED 12/30/99

**Tyndall B MOA, FL**

**Boundaries.** Beginning at lat. 30°40'21"N., long. 85°54'00"W.; to lat. 30°43'21"N., long. 85°37'40"W.; to lat. 30°43'21"N., long. 85°35'00"W.; to lat. 30°17'12"N., long. 85°23'17"W.; to lat. 30°20'21"N., long. 85°28'00"W.; to lat. 30°21'01"N., long. 85°41'30"W.; to the point of beginning.

**Altitudes.** 9,000 feet MSL to but not including FL 180.

**Times of use.** Intermittent, sunrise to sunset, Monday-Friday; other times by NOTAM.

**Controlling agency.** Tyndall Radar Approach Control.

**Using agency.** U.S. Air Force, 325 OSS/OSOS, Tyndall AFB, FL.

REVISED 10/13/94

**Tyndall C MOA, FL**

**Boundaries.** Beginning at lat. 30°43'21"N., long. 85°35'00"W.; to lat. 30°43'01"N., long. 85°13'00"W.; to lat. 30°26'21"N., long. 84°55'00"W.; to lat. 30°14'31"N., long. 85°21'40"W.; to lat. 30°17'12"N., long. 85°23'17"W.; to the point of beginning.

**Altitudes.** 300 feet AGL to 6,000 feet MSL.

**Times of use.** Intermittent, sunrise to sunset, Monday-Friday; other times by NOTAM.

**Controlling agency.** Tyndall Radar Approach Control.

**Using agency.** U.S. Air Force, 325 OSS/OSOS, Tyndall AFB, FL

ALTITUDES CHANGED 9/6/01

**Tyndall D MOA, FL**

**Boundaries.** Beginning at lat. 30°14'31"N., long. 85°21'40"W.; to lat. 30°26'21"N., long. 84°55'00"W.; to lat. 30°14'46"N., long. 84°44'10"W.; to lat. 30°07'01"N., long. 85°18'45"W.; to the point of beginning.

**Altitudes.** 300 feet AGL to 6,000 feet MSL.

**Times of use.** Intermittent, sunrise to sunset, Monday-Friday; other times by NOTAM.

**Controlling agency.** Tyndall Radar Approach Control.

**Using agency.** U.S. Air Force, 325 OSS/OSOS, Tyndall AFB, FL.

REVISED 10/13/94

#### **Tyndall E MOA, FL**

**Boundaries.** Beginning at lat. 30°07'01"N., long. 85°18'45"W.; to lat. 30°14'46"N., long. 84°44'10"W.; to lat. 30°00'01"N., long. 84°32'00"W.; to lat. 29°52'16"N., long. 84°33'30"W.; to lat. 29°52'31"N., long. 84°35'00"W.; to lat. 29°40'01"N., long. 84°58'30"W.; to lat. 29°48'41"N., long. 85°11'50"W.; to the point of beginning.

**Altitudes.** 300 feet AGL to but not including FL 180; excluding the airspace 1,500 feet AGL and below within a 3 NM radius of the Apalachicola and CarrabelleThompson Airports.

**Times of use.** Intermittent, sunrise to sunset, Monday-Friday; other times by NOTAM.

**Controlling agency.** Tyndall Radar Approach Control.

**Using agency.** U.S. Air Force, 325 OSS/OSOS, Tyndall AFB, FL.

REVISED 10/13/94 Corr: 9/6/01

#### **Tyndall F MOA, FL**

**Boundaries.** Beginning at lat. 29°57'33"N., long. 85°15'10"W.; to lat. 29°48'41"N., long. 85°11'50"W.; to lat. 29°40'01"N., long. 84°58'30"W.; to lat. 29°32'41"N., long. 84°58'00"W.; to lat. 29°32'31"N., long. 85°00'00"W.; thence West 3 NM from and parallel to the shoreline to lat. 29°48'01"N., long. 85°28'26"W.; to the point of beginning.

**Altitudes.** 300 feet AGL to but not including FL 180; excluding the airspace 1,500 feet AGL and below within a 3 NM radius of the Apalachicola and Costin Airports.

**Times of use.** Intermittent, sunrise to sunset, Monday-Friday; other times by NOTAM.

**Controlling agency.** Tyndall Radar Approach Control.

**Using agency.** U.S. Air Force, 325 OSS/OSOS, Tyndall AFB, FL.

REVISED 10/13/94

#### **Tyndall G MOA, FL**

**Boundaries.** Beginning at lat. 29°32'41"N., long. 84°58'00"W.; to lat. 29°40'01"N., long. 84°58'30"W.; to lat. 29°52'31"N., long. 84°35'00"W.; to lat. 29°52'16"N., long. 84°33'30"W.; to lat. 30°00'01"N., long. 84°32'00"W.; to lat. 29°51'01"N., long. 84°24'30"W.; to lat. 29°44'43"N., long. 84°34'42"W.; thence West 3 NM from and parallel to the shoreline to lat. 29°32'41"N., long. 84°58'00"W.; to the point of beginning.

**Altitudes.** 1,000 feet AGL to but not including FL 180; excluding the airspace 1,500 feet AGL and below within a 3 NM radius of the Carrabelle Thompson and St. George Island Airports.

**Times of use.** Intermittent, sunrise to sunset, Monday-Friday; other times by NOTAM.

**Controlling agency.** Tyndall Radar Approach Control.

**Using agency.** U.S. Air Force, 325 OSS/OSOS, Tyndall AFB, FL.

REVISED 10/13/94 Corr: 9/6/01

### **Tyndall H MOA, FL**

**Boundaries.** Beginning at lat. 30°43'21"N., long. 85°35'00"W.; to lat. 30°43'01"N., long. 85°13'00"W.; to lat. 30°26'21"N., long. 84°55'00"W.; to lat. 30°14'31"N., long. 85°21'40"W.; to lat. 30°17'12"N., long. 85°23'17"W.; to the point of beginning.

**Altitudes.** 9,000 feet MSL to but not including FL 180.

**Times of use.** Intermittent, sunrise to sunset, Monday-Friday; other times by NOTAM.

**Controlling agency.** Tyndall Radar Approach Control.

**Using agency.** U.S. Air Force, 325 OSS/OSOS, Tyndall AFB, FL.

ADDED 10/13/94

### **Valentine MOA, TX**

**Boundaries.** Beginning at lat. 30°55'30"N., long. 105°11'47"W.; to lat. 30°55'30"N., long. 104°48'32"W.; to lat. 31°03'00"N., long. 104°36'32"W.; to lat. 31°04'00"N., long. 104°24'32"W.; to lat. 30°57'31"N., long. 104°09'32"W.; to lat. 30°31'31"N., long. 104°09'32"W.; to lat. 30°26'01"N., long. 104°05'32"W.; to lat. 29°45'31"N., long. 104°27'02"W.; to lat. 29°45'31"N., long. 104°34'02"W.; thence north and west along the U.S./Mexico border to lat. 30°47'16"N., long. 105°12'02"W., to the point of beginning.

**Altitudes.** 15,000 feet MSL to but not including FL 180.

**Times of use.** By NOTAM.

**Controlling agency.** FAA, Albuquerque ARTCC

**Using agency.** 49th Tactical Fighter Wing, Holloman AFB, NM

TIMES OF USE CHANGED 3/27/97

### **Vance 1A MOA, OK**

**Boundaries.** Beginning at lat. 35°50'00"N., long. 98°20'01"W.; to lat. 35°49'00"N., long. 98°30'01"W.; to lat. 35°49'07"N., long. 98°38'25"W.; thence clockwise via the 47 NM arc of the Vance AFB, OK, TACAN (lat. 36°20'44"N., long. 97°55'08"W.); to lat. 36°54'13"N., long. 98°35'47"W.; to lat. 36°52'00"N., long. 98°34'01"W.; to lat. 36°35'00"N., long. 98°11'01"W.; to lat. 36°36'00"N., long. 97°49'31"W.; to lat. 36°20'40"N., long. 97°55'07"W.; to the point of beginning.

**Altitudes.** 10,000 feet MSL up to, but not including FL 180.

**Times of use.** One hour before sunrise to one hour after sunset, Monday-Friday; other times by NOTAM.

**Controlling Agency.** FAA, Kansas City ARTCC.

**Using Agency.** 71 FTW, Vance AFB, OK.

TIMES OF USE CHANGE 10/22/09

### **Vance 1B MOA, OK**

**Boundaries.** Beginning at lat. 35°50'00"N., long. 98°20'01"W.; to lat. 36°20'40"N., long. 97°55'07"W.; to lat. 36°36'00"N., long. 97°49'31"W.; to lat. 36°35'00"N., long. 98°11'01"W.; to lat. 36°52'00"N., long. 98°34'01"W.; to lat. 37°04'30"N., long. 98°15'01"W.; to lat. 37°05'00"N., long. 98°00'01"W.; to lat. 36°50'00"N., long. 97°23'01"W.; to lat. 36°28'00"N., long. 97°23'01"W.; to lat. 36°02'00"N., long. 97°35'01"W.; to lat. 35°53'00"N., long. 98°01'01"W.; to the point of beginning.

**Altitudes.** 7,000 feet MSL to but not including FL 180.

**Times of use.** One hour before sunrise to one hour after sunset, Monday-Friday; other times by NOTAM.

**Controlling agency.** FAA, Kansas City ARTCC

**Using agency.** 71st Flying Training Wing, Vance AFB, OK

ALTITUDES CHANGED 5/27/93

### **Vance 1C MOA, OK**

**Boundaries.** Beginning at lat. 35°49'07"N., long. 98°38'25"W.; to lat. 35°50'00"N., long. 99°23'01"W.; to lat. 35°53'00"N., long. 99°25'01"W.; to lat. 35°52'39"N., long. 99°31'32"W.; to lat. 36°04'55"N., long. 99°45'07"W.; thence clockwise via the 90 NM arc of the Vance AFB, OK, TACAN, (lat. 36°20'44"N., long. 97°55'08"W.); to lat. 37°16'50"N., long. 99°22'46"W.; to lat. 37°19'54"N., long. 99°07'24"W.; to lat. 36°54'13"N., long. 98°35'47"W.; thence counter-clockwise via the 47 NM arc of the Vance AFB, OK, TACAN, (lat. 36°20'44"N., long. 97°55'08"W.); to the point of beginning.

**Altitudes.** 10,000 feet MSL up to, but not including FL 180.

**Times of use.** One hour before sunrise to one hour after sunset, Monday-Friday; other times by NOTAM.

**Controlling Agency.** FAA, Kansas City ARTCC.

**Using Agency.** 71 FTW, Vance AFB, OK.

TIMES OF USE CHANGE 10/22/09

**Vance 1D MOA, OK**

**Boundaries.** Beginning at lat. 37°19'54"N., long. 99°07'24"W.; to lat. 37°22'00"N., long. 98°57'01"W.; to lat. 37°04'35"N., long. 98°12'01"W.; to lat. 37°04'30"N., long. 98°15'01"W.; to lat. 36°52'00"N., long. 98°34'01"W.; to lat. 36°54'13"N., long. 98°35'47"W.; to the point of beginning.

**Altitudes.** 10,000 feet MSL up to, but not including FL 180.

**Times of use.** One hour before sunrise to one hour after sunset, Monday-Friday; other times by NOTAM.

**Controlling Agency.** FAA, Kansas City ARTCC.

**Using Agency.** 71 FTW, Vance AFB, OK.

TIMES OF USE CHANGE 10/22/09

**Viper A MOA, AK**

**Boundaries.** Beginning at lat. 64°33'23"N., long. 146°46'09"W.; to lat. 64°34'24"N., long. 146°47'29"W.; to lat. 64°41'10"N., long. 146°55'00"W.; to lat. 64°53'54"N., long. 146°55'00"W.; to lat. 64°49'00"N., long. 147°04'00"W.; to lat. 64°47'00"N., long. 147°09'00"W.; to lat. 64°38'30"N., long. 147°11'00"W.; to lat. 64°34'34"N., long. 146°59'00"W.; to lat. 64°33'23"N., long. 146°48'09"W.; to point of beginning. (1) Excluding that airspace over Pleasant Valley Subdivision surface to 5,000 feet MSL beginning at lat. 64°53'54"N., long. 146°55'00"W.; to lat. 64°50'00"N., long. 146°55'00"W.; to lat. 64°50'00"N., long. 147°00'00"W.; to lat. 64°51'11"N., long. 147°00'00"W.; to point of beginning. (2) Excluding the Eielson AFB Class D airspace area.

**Altitudes.** 500 feet AGL to and including 10,000 feet MSL.

**Times of use.** Intermittent, 0700-2200, Monday-Friday; pending Special Use Airspace Information Service availability.

**Controlling agency.** FAA, Fairbanks ATCT.

**Using agency.** U.S. Air Force 354th Fighter Wing, Eielson AFB, AK.

**NOTE:** SUAIS including VHF transmitter/receiver, radar, recording, and telephone capability must be operational during activation. Any operation during reduced capability must be approved in advance by the Alaska FAA Air Traffic Division.

TIMES OF USE CHANGED 1/15/09

**Viper B MOA, AK**

**Boundaries.** Beginning at lat. 64°33'23"N., long. 146°46'09"W.; to lat. 64°34'24"N., long. 146°47'29"W.; to lat. 64°41'10"N., long. 146°55'00"W.; to lat. 64°53'54"N., long. 146°55'00"W.; to lat. 64°49'00"N., long. 147°04'00"W.; to lat. 64°47'00"N., long. 147°09'00"W.; to lat. 64°38'30"N., long. 147°11'00"W.; to lat. 64°34'34"N., long. 146°59'00"W.; to lat. 64°33'23"N., long. 146°48'09"W.; to point of beginning.

**Altitudes.** 10,000 feet MSL to but not including FL 180.

**Times of use.** Intermittent, 0700-2200, Monday-Friday; pending Special Use Airspace Information Service availability.

**Controlling agency.** FAA, Anchorage ARTCC.

**Using agency.** U.S. Air Force 354th Fighter Wing, Eielson AFB, AK.

**NOTE:** SUAIS including VHF transmitter/receiver, radar, recording, and telephone capability must be operational during activation. Any operation during reduced capability must be approved in advance by the Alaska FAA Air Traffic Division.

TIMES OF USE CHANGED 1/15/09

### **Volk East MOA, WI**

**Boundaries.** Beginning at lat. 44°24'00"N., long. 89°00'00"W.; to lat. 43°36'00"N., long. 89°00'00"W.; to lat. 43°40'00"N., long. 89°46'15"W.; to lat. 44°10'00"N., long. 89°59'00"W.; to lat. 44°27'00"N., long. 89°59'00"W.; to the point of beginning.

**Altitudes.** 8,000 feet MSL to but not including FL 180.

**Times of use.** Intermittent by NOTAM 0800-1600 Tuesday-Saturday; other times by NOTAM.

**Controlling agency.** FAA, Minneapolis ARTCC

**Using agency.** Air National Guard, Volk Field Combat Readiness Training Center, WI

TIMES OF USE CHANGED 1/15/09

### **Volk South MOA, WI**

**Boundaries.** Beginning at lat. 44°10'00"N., long. 89°59'00"W.; to lat. 43°40'00"N., long. 89°46'15"W.; to lat. 44°00'00"N., long. 90°26'00"W.; to lat. 44°00'00"N., long. 90°35'15"W.; to lat. 44°00'02"N., long. 90°35'15"W.; to lat. 44°00'02"N., long. 90°36'35"W.; to lat. 44°00'10"N., long. 90°36'41"W.; to lat. 44°01'19"N., long. 90°36'42"W.; thence clockwise along an arc with a 16 NM radius centered at lat. 43°56'35"N., long. 90°15'32"W.; to lat. 44°12'15"N., long. 90°11'00"W.; to lat. 44°10'00"N., long. 90°11'00"W.; to the point of beginning.

**Altitudes.** 500 feet AGL to but not including FL 180, excluding that airspace 1,500 feet AGL and below within a 3 NM radius of the Necedah Airport, WI, Bloyer Field Airport, Tomah, WI, and Mauston-New Lisbon Union Airport, New Lisbon, WI.

**Times of use.** Intermittent by NOTAM 0800-1600 Tuesday-Saturday; other times by NOTAM.

**Controlling agency.** FAA, Minneapolis ARTCC

**Using agency.** Air National Guard, Volk Field Combat Readiness Training Center, WI

TIMES OF USE CHANGED 1/15/09

### **Volk West MOA, WI**

**Boundaries.** Beginning at lat. 44°27'00"N., long. 89°59'00"W.; to lat. 44°10'00"N., long. 89°59'00"W.; to lat. 44°10'00"N., long. 90°11'00"W.; to lat. 44°12'15"N., long. 90°11'00"W.; thence counterclockwise along an arc with a 16 NM radius centered at lat. 43°56'35"N., long. 90°15'32"W.; to lat. 44°01'19"N., long. 90°36'42"W.; to lat. 44°09'36"N., long. 90°36'50"W.; to lat. 44°09'36"N., long. 90°40'22"W.; to lat. 44°08'40"N., long. 90°40'22"W.; to lat. 44°08'40"N., long. 90°44'20"W.; to lat. 44°28'00"N., long. 90°35'00"W.; to the point of beginning, excluding R-6904A and R-6904B when activated.

**Altitudes.** 100 feet AGL to but not including FL 180.

**Times of use.** Intermittent by NOTAM 0800-1600 Tuesday-Saturday; other times by NOTAM.

**Controlling agency.** FAA, Minneapolis ARTCC

**Using agency.** Air National Guard, Volk Field Combat Readiness Training Center, WI

TIMES OF USE CHANGED 1/15/09

### **Warrior 1 High MOA, LA**

**Boundaries.** Beginning at lat. 31°30'00"N., long. 93°39'00"W.; to lat. 31°30'00"N., long. 93°08'00"W.; to lat. 31°27'31"N., long. 93°03'01"W.; to lat. 31°23'41"N., long. 93°05'46"W.; to lat. 31°13'56"N., long. 92°49'46"W.; to lat. 31°05'16"N., long. 92°34'51"W.; to lat. 31°11'46"N., long. 92°30'16"W.; to lat. 31°06'00"N., long. 92°24'00"W.; to lat. 31°00'00"N., long. 92°23'42"W.; to lat. 31°00'00"N., long. 93°52'06"W.; to lat. 31°07'00"N., long. 93°56'00"W.; to the point of beginning, excluding R-3803A and R-3804A when activated.

**Altitudes.** 10,000 feet MSL to but not including FL 180

**Time of designation.** 0700-2200, Monday-Friday, other times by NOTAM.

**Controlling agency.** FAA, Houston ARTCC.

**Using agency.** Commanding General, Joint Readiness Training Center, Fort Polk, LA.

REVISED 6/5/08

### **Warrior 1 Low MOA, LA**

**Boundaries.** Beginning at lat. 31°30'00"N., long. 93°39'00"W.; to lat. 31°30'00"N., long. 93°08'00"W.; to lat. 31°27'31"N., long. 93°03'01"W.; to lat. 31°23'41"N., long. 93°05'46"W.; to lat. 31°13'56"N., long. 92°49'46"W.; to lat. 31°05'16"N., long. 92°34'51"W.; to lat. 31°11'46"N., long. 92°30'16"W.; to lat. 31°06'00"N., long. 92°24'00"W.; to lat. 31°00'00"N., long. 92°23'42"W.; to lat. 31°00'00"N., long. 93°52'06"W.; to lat. 31°07'00"N., long. 93°56'00"W.; to the point of beginning, excluding that airspace at and below 1,500 feet AGL within a 3 NM radius of the Leesville Airport, Leesville, LA and the Woodworth Airport, Woodworth, LA; and R-3803A, R-3804A, and R-3404B when activated.

**Altitudes.** 100 feet AGL to but not including 10,000 feet MSL

**Time of designation.** 0700-2200, Monday-Friday, other times by NOTAM

**Controlling agency.** FAA, Houston ARTCC.

**Using agency.** Commanding General, Joint Readiness Training Center, Fort Polk, LA

REVISED 6/5/08

### **Warrior 2 High MOA, LA**

**Boundaries.** Beginning at lat. 31°00'00"N., long. 93°00'00"W.; to lat. 31°00'00"N., long. 92°23'42"W.; to lat. 30°45'56"N., long. 92°22'58"W.; to lat. 30°30'00"N., long. 92°46'30"W.; to lat. 30°30'00"N., long. 93°00'00"W.; to the point of beginning.

**Altitudes.** 10,000 feet MSL to but not including FL 180

**Time of designation.** 0700-2200, Monday-Friday, other times by NOTAM

**Controlling agency.** FAA, Houston ARTCC.

**Using agency.** Commanding General, Joint Readiness Training Center, Fort Polk, LA.

REVISED 6/5/08

### **Warrior 2 Low MOA, LA**

**Boundaries.** Beginning at lat. 31°00'00"N., long. 93°00'00"W.; to lat. 31°00'00"N., long. 92°23'42"W.; to lat. 30°45'56"N., long. 92°22'58"W.; to lat. 30°30'00"N., long. 92°46'30"W.; to lat. 30°30'00"N., long. 93°00'00"W.; to the point of beginning, excluding that airspace at and below 1,500 feet AGL within a 3 NM radius of the Allen Parish Airport, Oakdale, LA and the Mamou Airport, Mamou, LA; and that airspace at and below 1,500 feet AGL within a 2 NM radius of the city of Elizabeth LA.

**Altitudes.** 100 feet AGL to but not including 10,000 feet MSL.

**Time of designation.** 0700-2200, Monday-Friday, other times by NOTAM.

**Controlling agency.** FAA, Houston ARTCC.

**Using agency.** Commanding General, Joint Readiness Training Center, Fort Polk, LA.

REVISED 6/5/08

### **Warrior 3 High MOA, LA**

**Boundaries.** Beginning at lat. 31°00'00"N., long. 93°52'06"W.; to lat. 31°00'00"N., long. 93°00'00"W.; to lat. 30°30'00"N., long. 93°00'00"W.; to lat. 30°30'00"N., long. 93°35'30"W.; to the point of beginning.

**Altitudes.** 10,000 feet MSL to but not including FL 180

**Time of designation.** 0700-2200, Monday-Friday, other times by NOTAM

**Controlling agency.** FAA, Houston ARTCC.

**Using agency.** Commanding General, Joint Readiness Training Center, Fort Polk, LA

REVISED 6/5/08

### **Warrior 3 Low MOA, LA**

**Boundaries.** Beginning at lat. 31°00'00"N., long. 93°52'06"W.; to lat. 31°00'00"N., long. 93°00'00"W.; to lat. 30°30'00"N., long. 93°00'00"W.; to lat. 30°30'00"N., long. 93°35'30"W.; to the point of beginning, excluding that airspace at and below 1,500 feet AGL within a 3 NM radius of the Newton Airport, Newton, TX; and the Beauregard Regional Airport, Deridder, LA.

**Altitudes.** 100 feet AGL to but not including 10,000 feet MSL

**Time of designation.** 0700-2200, Monday-Friday, other times by NOTAM

**Controlling agency.** FAA, Houston ARTCC.

**Using agency.** Commanding General, Joint Readiness Training Center, Fort Polk, LA

REVISED 6/5/08



**Washita MOA, OK**

**Boundaries.** Beginning at lat. 34°43'46"N., long. 98°49'55"W.; to lat. 35°08'52"N., long. 98°58'17"W.; thence clockwise via the 72 NM arc of SPS VORTAC to lat. 35°05'35"N., long. 98°01'27"W.; to lat. 34°45'18"N., long. 98°11'54"W.; to lat. 34°47'00"N., long. 98°17'46"W.; to lat. 34°46'15"N., long. 98°25'01"W.; to lat. 34°45'03"N., long. 98°29'46"W.; thence counterclockwise via the 46 NM arc of SPS VORTAC to the point of beginning.

**Altitudes.** 8,000 feet MSL to but not including FL 180.

**Times of use.** One hour before sunrise to one hour after sunset, Monday-Friday; other times by NOTAM.

**Controlling agency.** FAA, Fort Worth ARTCC

**Using agency.** U.S. Air Force, 80th Flying Training Wing, Sheppard AFB, TX

BOUNDARIES CHANGED 9/11/97

**Westover 1 MOA, TX**

**Boundaries.** Beginning at lat. 34°02'13"N., long. 99°05'28"W.; to lat. 33°53'30"N., long. 99°02'01"W.; to lat. 33°38'42"N., long. 98°52'47"W.; to lat. 33°20'08"N., long. 99°02'28"W.; to lat. 33°11'45"N., long. 99°08'01"W.; to lat. 33°06'10"N., long. 99°14'09"W.; thence clockwise via the 62 NM arc of the SPS VORTAC to lat. 34°11'42"N., long. 99°48'44"W.; to the point of beginning.

**Altitudes.** 9,000 feet MSL to but not including FL 180.

**Times of use.** One hour before sunrise to one hour after sunset, Monday-Friday; other times by NOTAM.

**Controlling agency.** FAA, Fort Worth ARTCC

**Using agency.** U.S. Air Force, 80th Flying Training Wing (ATC), Sheppard AFB, Wichita Falls, TX

ADDED 2/9/89

**Westover 2 MOA, TX**

**Boundaries.** Beginning at lat. 33°06'10"N., long. 99°14'09"W.; to lat. 32°51'58"N., long. 99°29'53"W.; thence clockwise via the 81 NM arc of the SPS VORTAC to lat. 33°16'30"N., long. 99°58'31"W.; to lat. 33°37'38"N., long. 100°09'18"W.; thence clockwise via the 81 NM arc of the SPS VORTAC to lat. 33°50'07"N., long. 100°12'19"W.; to lat. 33°49'32"N., long. 100°35'11"W.; thence clockwise via the 100 NM arc of the SPS VORTAC to lat. 34°20'50"N., long. 100°33'17"W.; to lat. 34°17'43"N., long. 100°15'34"W.; to lat. 34°11'42"N., long. 99°48'44"W.; thence counterclockwise via the 62 NM arc of the SPS VORTAC to the point of beginning.

**Altitudes.** 10,000 feet MSL to but not including FL 180.

**Times of use.** One hour before sunrise to one hour after sunset, Monday-Friday; other times by NOTAM.

**Controlling agency.** FAA, Fort Worth ARTCC.

**Using agency.** U.S. Air Force, 80th Flying Training Wing (ATC), Sheppard AFB, Wichita Falls, TX.

**Whitmore 1 MOA, CA**

**Boundaries.** Beginning at lat. 40°14'46"N, long.122°08'03"W; to lat. 40°36'50"N, long.121°52'36"W; thence clockwise on the Red Bluff VORTAC 35 NM arc to lat. 40°07'01"N, long.121°28'35"W; to lat. 40°06'16"N, long.122°01'09"W; thence counterclockwise on the Red Bluff VORTAC 10 NM arc to the point of beginning.

**Altitude.** 11,000 MSL or 3,000 AGL whichever is higher to but not including FL 180.

**Times of use.** 0730-1630 Monday-Friday; other times by NOTAM.

**Controlling agency.** FAA, Oakland ARTCC

**Using agency.** USAF, 9<sup>th</sup> Operations Group (9<sup>th</sup> OSS/OSAA) Beale AFB, CA.

ALTITUDE AND USING AGENCY CHANGED 6/15/00

**Whitmore 2 MOA, CA**

**Boundaries.** Beginning at lat. 40°36'50"N, long.121°52'36"W; to lat. 40°58'51"N, long.121°37'00"W; thence clockwise on the Red Bluff VORTAC 60 NM arc to lat. 40°37'26"N, long.121°07'21"W; to lat. 40°24'23"N, long.121°35'20"W; thence counterclockwise on the Red Bluff VORTAC 35 NM arc to the point of beginning.

**Altitude.** 11,000 MSL or 3,000 AGL whichever is higher to but not including FL 180.

**Times of use.** 0730-1630 Monday-Friday; other times by NOTAM.

**Controlling agency.** FAA, Oakland ARTCC

**Using agency.** USAF, 9<sup>th</sup> Operations Group (9<sup>th</sup> OSS/OSAA) Beale AFB, CA.

ALTITUDE AND USING AGENCY CHANGED 6/15/00

**Whitmore 3 MOA, CA**

**Boundaries.** Beginning at lat. 40°24'23"N, long.121°35'20"W; to lat. 40°37'26"N, long.121°07'21"W; thence clockwise on the Red Bluff VORTAC 60 NM arc to lat. 40°07'36"N, long.120°56'00"W; to lat. 40°07'01"N, long.121°28'35"W; thence counterclockwise on the Red Bluff VORTAC 35 NM arc to the point of beginning.

**Altitude.** 11,000 MSL or 3,000 AGL whichever is higher to but not including FL 180.

**Times of use.** 0730-1630 Monday-Friday; other times by NOTAM.

**Controlling agency.** FAA, Oakland ARTCC

**Using agency.** USAF, 9<sup>th</sup> Operations Group (9<sup>th</sup> OSS/OSAA) Beale AFB, CA.

ALTITUDE AND USING AGENCY CHANGED 6/15/00

**Yankee 1 MOA, NH**

**Boundaries.** Beginning at lat. 43°43'15"N., long. 71°59'58"W.; to lat. 44°09'00"N., long. 72°16'58"W.; to lat. 44°32'00"N., long. 71°51'58"W.; to lat. 44°38'00"N., long. 71°22'58"W.; to lat. 44°16'00"N., long. 71°07'58"W.; to lat. 43°39'00"N., long. 71°26'58"W.; to the point of beginning.

**Altitudes.** 9,000 feet MSL to but not including FL 180.

**Times of use.** Sunrise-sunset; other times by NOTAM.

**Controlling agency.** FAA, Boston ARTCC, MA

**Using agency.** 103rd Tactical Fighter Group, Tactical Air Command, Bradley Air National Guard Base, CT

### **Yankee 2 MOA, NH**

**Boundaries.** Beginning at lat. 43°42'06"N., long. 71°50'58"W., to lat. 43°39'00"N., long. 71°26'58"W., to lat. 44°04'49"N., long. 71°13'46"W., thence northwest along Route 302 to lat. 44°16'00"N., long. 71°28'58"W., to lat. 44°15'00"N., long. 71°30'58"W., to lat. 44°06'00"N., long. 71°59'58"W., to lat. 44°00'00"N., long. 71°59'58"W., to lat. 43°53'00"N., long. 71°50'58"W., to the point of beginning.

**Altitudes.** 100 feet AGL to but not including 9,000 feet MSL.

**Times of use.** Sunrise-sunset; other times by NOTAM.

**Controlling agency.** FAA, Boston ARTCC

**Using agency.** 103 Tactical Fighter Group, Bradley Air National Guard Base, CT, 104 Tactical Fighter Group, Barnes Municipal Airport, MA

### **Yukon 1 MOA, AK**

**Boundaries.** Beginning at lat. 64°41'10"N., long. 146°55'00"W.; to lat. 64°53'54"N., long. 146°55'00"W.; to lat. 64°59'59"N., long. 146°43'43"W.; thence eastbound via lat. 64°59'59"N. to lat. 64°59'59"N., long. 146°00'09"W.; to lat. 64°59'59"N., long. 143°00'08"W.; to lat. 63°59'59"N., long. 144°00'08"W.; to lat. 64°33'23"N., long. 146°18'39"W.; to lat. 64°33'23"N., long. 146°46'09"W.; to lat. 64°34'24"N., long. 146°47'29"W.; to point of beginning. Excluding that airspace (1) over the Chena Recreation area surface to 1,500 feet AGL May 1-Sept 30 beginning at lat. 64°59'59"N., long. 146°16'00"W.; to lat. 64°59'59"N., long. 146°05'00"W.; to lat. 64°52'00"N., long. 146°05'00"W.; to lat. 64°49'00"N., long. 146°09'00"W.; to lat. 64°49'00"N., long. 146°15'00"W.; to lat. 64°51'00"N., long. 146°35'00"W.; to lat. 64°55'33"N., long. 146°35'00"W.; to lat. 64°57'00"N., long. 146°18'00"W.; to point of beginning. (2) Excluding that airspace over Pleasant Valley Subdivision surface to 5,000 feet MSL Beginning: at lat. 64°55'00"N., long. 146°52'59"W.; at lat. 64°55'00"N., long. 146°45'00"W.; to lat. 64°51'30"N., long. 146°45'00"W.; to lat. 64°50'00"N., long. 146°50'00"W.; to lat. 64°50'00"N., long. 146°55'00"W.; to lat. 64°53'54"N., long. 146°55'00"W.; to point of beginning. (3) from the surface to 2,000 feet AGL within 2 NM either side of the center of the Charley River, Apr 15 through Sept 15 northward from lat. 64°41'00"N., long. 143°38'00"W.; to lat. 64°59'59"N (4) that portion wholly contained in R-2205 when active.

**Altitudes.** 100 feet AGL to but not including FL 180.

**Times of use.** 0800-1800, Monday-Friday; by NOTAM for other times between 0700-2200, Monday-Friday; pending Special Use Airspace Information Service availability.

**Controlling agency.** FAA, Anchorage ARTCC.

**Using agency.** USAF, 354 FW, Eielson AFB, AK.

**NOTE:** SUAIS including VHF transmitter/receiver, radar, recording, and telephone capability must be operational during activation. Any operation during reduced capability must be approved in advance by the Alaska FAA Air Traffic Division.

TIMES OF USE CHANGED 1/15/09

### **Yukon 2 MOA, AK**

**Boundaries.** Beginning at lat. 66°09'59"N., long. 145°05'09"W.; to lat. 66°09'59"N., long. 143°00'09"W.; to lat. 64°59'59"N., long. 143°00'08"W.; thence proceed westbound along lat. 64°59'59"N.; to lat. 64°59'59"N., long. 146°43'43"W.; to lat. 65°22'59"N., long. 146°00'09"W.; to point of beginning. Excluding: (1) that airspace below 2,000 feet AGL at lat. 65°27'03"N., long. 145°55'32"W.; to lat. 65°34'59"N., long. 145°30'09"W.; to lat. 65°39'59"N., long. 144°35'09"W.; to lat. 65°51'59"N., long. 144°05'09"W.; to lat. 65°51'59"N., long. 144°00'09"W.; to lat. 65°44'59"N., long. 144°00'09"W.; to lat. 65°20'59"N., long. 144°40'09"W.; to lat. 65°20'59"N., long. 146°04'00"W.; to lat. 65°22'59"N., long. 146°00'09"W.; to the point of beginning. (2) that airspace at or below 1,500 feet AGL within a 3 NM radius of the Coal Creek Airport, (centered at lat. 65°18'41"N., long. 143°08'08"W.;) (3) that airspace at or below 1,500 feet AGL within a 3 NM radius of the Chena Hot Springs Airport (centered at lat. 65°03'07"N., long. 146°02'51"W.;) (4) that airspace at or below 1,500 feet AGL within a 3 NM radius of the Circle City Airport (centered at lat. 65°49'50"N., long. 144°04'33"W.;) (5) that airspace surface to 2,000 feet AGL 2 NM either side of the side of the following Yukon-Charley River exclusion areas 15 Apr through 15 Sep: Yukon River (a) extending from long. 143°00'09"W.; northwest to lat. 65°46'00"N., long. 144°00'00"W., (b) Charley River entire portion.

**Altitudes.** 100 feet AGL to but not including FL 180.

**Times of use.** 0800-1800, Monday-Friday; by NOTAM for other times between 0700-2200, Monday-Friday; pending Special Use Airspace Information Service availability.

**Controlling agency.** FAA, Anchorage ARTCC.

**Using agency.** USAF, 354 FW, Eielson AFB, AK.

**NOTE:** SUAIS including VHF transmitter/receiver, radar, recording, and telephone capability must be operational during activation. Any operation during reduced capability must be approved in advance by the Alaska FAA Air Traffic Division.

TIMES OF USE CHANGED 1/15/09

### **Yukon 3 High MOA, AK**

**Boundaries.** Beginning at lat. 64°59'59"N., long. 143°00'08"W.; to lat. 64°59'59"N., long. 141°05'00"W.; to lat. 63°59'59"N., long. 143°00'00"W.; to lat. 63°59'59"N., long. 144°00'08"W.; to point of beginning.

**Altitudes.** 10,000 feet MSL to but not including FL 180.

**Times of use.** 1000-1500, Monday-Friday; by NOTAM for other times between 0700-2200, Monday-Friday; pending Special Use Airspace Information Service availability.

**Controlling agency.** FAA, Anchorage ARTCC.

**Using agency.** U.S. Air Force 354th Fighter Wing, Eielson AFB, AK.

**NOTE:** SUAIS including VHF transmitter/receiver, radar, recording, and telephone capability must be operational during activation. Any operation during reduced capability must be approved in advance by the Alaska FAA Air Traffic Division.

TIMES OF USE CHANGED 1/15/09

### **Yukon 3A Low MOA, AK**

**Boundaries.** Beginning at lat. 64°59'59"N, long. 143°00'08"W; to lat. 64°59'59"N, long. 141°05'00"W; to lat. 63°59'59"N, long. 143°00'00"W; to lat. 63°59'59"N, long. 144°00'08"W; to the point of beginning. Excluding that airspace 2,000 feet AGL and below 2 NM from either side of the center of the Yukon River from April 15 thru Sept. 15.

**Altitudes.** 100 feet AGL to but not including 10,000 feet MSL.

**Times of use.** 1000-1130 and 1330-1500, Monday-Friday; by NOTAM for other times between 0700-2200, Monday-Friday; pending Special Use Airspace Information Service availability.

**Controlling agency.** FAA, Anchorage ARTCC.

**Using agency.** U.S. Air Force 354th Fighter Wing, Eielson AFB, AK.

**NOTE:** SUAIS including VHF transmitter/receiver, radar, recording, and telephone capability must be operational during activation. Any operation during reduced capability must be approved in advance by the Alaska FAA Air Traffic Division.

TIMES OF USE CHANGED 1/15/09

### **Yukon 3B MOA, AK**

**Boundaries.** Beginning at lat. 63°59'59"N., long. 143°00'00"W.; to lat. 63°59'59"N., long. 141°05'00"W.; to lat. 64°59'59"N., long. 141°05'00"W.; to point of beginning.

**Altitude.** 2,000 feet AGL to but not including FL 180.

**Times of use.** By NOTAM during locally publicized major flying exercises to a maximum of 60 actual flying days per year; pending Special Use Airspace Information Service availability.

**Controlling Agency.** FAA Anchorage ARTCC.

**Using Agency.** US Air Force 354th Fighter Wing, Eielson AFB, AK.

**NOTE:** SUAIS including VHF transmitter/receiver, radar, recording, and telephone capability must be operational during activation. Any operation during reduced capability must be approved in advance by the Alaska FAA Air Traffic Division.

TIMES OF USE CHANGED 1/15/09

### **Yukon 4 MOA, AK**

**Boundaries.** Beginning at lat. 64°59'59"N, long. 143°00'08"W; to lat. 64°59'59"N, long. 141°05'00"W; to lat. 66°09'59"N, long. 141°05'00"W; to lat. 66°09'59"N, long. 143°00'09"W; to

the point of beginning. Excluding that airspace surface to 2,000 feet AGL 2 NM either side of the center of the Yukon-Charley River exclusion areas April 15 through Sept. 15 (1) Yukon River Entire portion (2) Charley River Entire portion. (3) Kandick River Extending from lat. 65°44'00"N, long. 141°17'00"W southwest to the Yukon River.

**Altitudes.** 100 feet AGL to but not including FL 180.

**Times of use.** 1000-1500, Monday-Friday; by NOTAM for other times between 0700-2200, Monday-Friday.

**Controlling agency.** FAA, Anchorage ARTCC.

**Using agency.** U.S. Air Force 354th Fighter Wing, Eielson AFB, AK.

TIMES OF USE CHANGED 1/15/09

### **Yukon 5 MOA, AK**

**Boundaries.** Beginning at lat. 66°09'59"N, long. 145°05'09"W; to lat. 66°40'00"N, long. 144°30'00"W; to lat. 66°40'00"N, long. 141°05'00"W; to lat. 66°09'59"N, long. 141°05'00"W; to the point of beginning.

**Altitudes.** 5,000 feet AGL to but not including FL 180.

**Times of use.** By NOTAM during locally publicized major flying exercises to a maximum of 60 actual flying days per year.

**Controlling agency.** FAA, Anchorage ARTCC.

**Using agency.** U.S. Air Force 354th Fighter Wing, Eielson AFB, AK.

TIMES OF USE CHANGED 1/15/09

### Subpart C – Alert Areas

#### **Definition.**

Airspace which may contain a high volume of pilot training activities or an unusual type of aerial activity, neither of which is hazardous to aircraft.

#### **Activities.**

Pilot training or an unusual type of aeronautical activity.

#### **A-211 Dothan, AL**

**Boundaries.** Beginning at lat. 30°58'01"N., long. 84°49'00"W.; to lat. 30°57'01"N., long. 85°05'00"W.; to lat. 30°52'01"N., long. 85°18'00"W.; to lat. 30°53'01"N., long. 86°30'00"W.; to lat. 30°59'01"N., long. 86°36'00"W.; to lat. 31°33'01"N., long. 86°35'00"W.; to lat. 31°51'01"N., long. 86°24'00"W.; to lat. 31°57'01"N., long. 85°42'00"W.; to lat. 31°48'01"N., long. 85°34'00"W.; to lat. 31°51'01"N., long. 85°05'00"W.; to lat. 31°37'01"N., long. 85°03'30"W.; thence south via the Chattahoochee River to lat. 31°07'01"N., long. 85°03'00"W.; to lat. 31°01'01"N., long. 84°49'00"W.; to the point of beginning, excluding Restricted Area R-2103; the Fort Rucker, AL; the Dothan, AL; and the Troy, AL, Class D airspace areas.

**Altitudes.** From the surface to and including 5,000 feet.

**Times of use.** 0600-2200 Monday-Friday.

**Using agency.** Commander, U.S. Army, Fort Rucker, AL

BOUNDARIES CHANGED 9/16/93

#### **A-220 McGuire AFB, NJ**

**Boundaries.** Beginning at lat. 39°46'15"N., long. 74°24'59"W.; to lat. 39°57'15"N., long. 74°18'44"W.; to lat. 40°05'00"N., long. 74°11'44"W.; to lat. 40°11'45"N., long. 74°32'59"W.; to lat. 40°03'30"N., long. 74°42'59"W.; to lat. 39°49'15"N., long. 74°51'59"W.; to the point of beginning.

**Altitudes.** Surface to 4,500 feet MSL.

**Times of use.** 0800-2200, daily.

**Controlling agency.** McGuire RAPCON

**Using agency.** Commanding Officer, McGuire AFB, NJ

TIMES OF USE CHANGED 1/15/09

#### **A-231 Luke AFB, AZ**

**Boundaries.** Beginning at lat. 33°31'00"N., long. 112°45'03"W.; to lat. 33°55'00"N., long. 112°45'03"W.; to lat. 33°59'00"N., long. 112°38'03"W.; to lat. 33°39'10"N., long. 112°13'23"W.; to lat. 33°36'35"N., long. 112°13'38"W.; to lat. 33°35'34"N., long. 112°13'55"W.; to lat.

33°30'27"N., long. 112°19'23"W.; to lat. 33°30'22"N., long. 112°27'45"W.; thence clockwise via the Phoenix Luke AFB, AZ, Class D airspace area to lat. 33°31'00"N., long. 112°28'01"W.; to the point of beginning.

**Altitudes.** From 500 feet AGL to and including 6,500 feet MSL, excluding the airspace below 4,000 feet AGL within the Phoenix Luke AFB, AZ, Class D airspace area.

**Times of use.** Continuous.

**Using agency.** Commander, Luke AFB, AZ

BOUNDARIES AND ALTITUDES CHANGED 9/16/93

### **A-260 Colorado Springs, CO**

**Boundaries.** Beginning at lat. 39°02'00"N., long. 104°47'02"W.; to lat. 38°57'00"N., long. 104°47'02"W.; to lat. 38°57'00"N., long. 104°55'02"W.; to lat. 39°02'00"N., long. 104°55'02"W.; to the point of beginning, excluding the airspace below 4,000 feet AGL within the Colorado Springs USAF Academy, CO, Class D airspace area.

**Altitudes.** From the surface to 17,500 feet MSL.

**Times of use.** Daily, sunrise-sunset.

**Using agency.** Department of the Air Force, U.S. Air Force Academy, CO

BOUNDARIES CHANGED 9/16/93

### **A-291A Miami, FL**

**Boundaries.** Beginning at lat. 26°22'31"N., long. 80°21'59"W.; to lat. 26°21'01"N., long. 80°17'19"W.; to lat. 26°13'31"N., long. 80°17'19"W.; to lat. 26°13'01"N., long. 80°23'59"W.; to the point of beginning.

**Altitudes.** Surface to 2,500 feet MSL.

**Times of use.** 0600-2400 daily.

**Using agency.** General aviation aircraft - no specific agency.

### **A-291B Miami, FL**

**Boundaries.** Beginning at lat. 26°09'16"N., long. 80°45'59"W.; to lat. 26°08'31"N., long. 80°41'29"W.; to lat. 26°08'31"N., long. 80°37'59"W.; to lat. 26°03'41"N., long. 80°34'14"W.; to lat. 26°03'41"N., long. 80°29'59"W.; to lat. 26°00'01"N., long. 80°29'59"W.; to lat. 26°00'01"N., long. 80°45'59"W.; to the point of beginning.

**Altitudes.** Surface to 3,900 feet MSL.

**Times of use.** 0600-2400 daily.

**Using agency.** General aviation aircraft - no specific agency.



**A-291C Miami, FL**

**Boundaries.** Beginning at lat. 26°08'31"N., long. 80°37'59"W.; to lat. 26°08'31"N., long. 80°29'59"W.; to lat. 26°03'41"N., long. 80°29'59"W.; to lat. 26°03'41"N., long. 80°34'14"W.; to the point of beginning.

**Altitudes.** Surface to 2,500 feet MSL.

**Times of use.** 0600-2400 daily.

**Using agency.** General aviation aircraft – nospecific agency.

**A-291D Miami, FL**

**Boundaries.** Beginning at lat. 25°36'31"N., long. 80°46'29"W.; to lat. 25°36'21"N., long. 80°35'14"W.; to lat. 25°25'00"N., long. 80°38'15"W.; to lat. 25°23'01"N., long. 80°40'45"W.; to lat. 25°23'01"N., long. 80°46'29"W.; to the point of beginning.

**Altitudes.** Surface to 3,900 feet MSL.

**Times of use.** 0600-2400 daily.

**Using agency.** General aviation aircraft - no specific agency.

REVISED 5/12/05

**A-292 Pensacola, FL**

**Boundaries.** Beginning at lat. 31°30'01"N., long. 86°45'00"W.; thence due south to the boundary of R-2915A, thence counterclockwise along the boundaries of R-2915A and R-2915B to lat. 30°19'31"N., long. 86°51'30"W.; to lat. 30°18'21"N., long. 87°00'00"W.; to lat. 30°15'01"N., long. 87°12'05"W.; to lat. 30°19'01"N., long. 87°13'25"W.; thence west along the shoreline to lat. 30°13'16"N., long. 88°01'30"W.; to lat. 30°31'01"N., long. 87°55'00"W.; thence along the shoreline to lat. 30°42'01"N., long. 88°00'00"W.; to lat. 30°50'01"N., long. 87°48'00"W.; to lat. 31°25'01"N., long. 87°18'00"W.; to lat. 31°30'01"N., long. 86°56'00"W.; to the point of beginning.

**Altitudes.** Surface to 3,000 feet MSL within Federal airways; otherwise, surface to FL 175.

**Times of use.** Sunrise-0100 Monday-Friday; sunrise-sunset Saturday.

**Using agency.** Commander, Training Wing 6, Naval Air Station, Pensacola, FL

**A-311 Wheeler AFB Oahu, HI**

**Boundaries.** Beginning at lat. 21°40'40"N., long. 158°01'50"W.; to lat. 21°31'31"N., long. 158°01'56"W.; thence clockwise via the arc of a 3-mile-radius circle centered on Wheeler AFB (lat. 21°28'49"N., long. 158°02'20"W.) excluding the airspace over the Township of Wahiawa to lat. 21°29'13"N., long. 157°59'28"W.; to lat. 21°29'13"N., long. 157°58'26"W.; to lat. 21°26'37"N., long. 157°57'30"W.; to lat. 21°26'37"N., long. 157°52'50"W.; to lat. 21°41'35"N., long. 157°58'37"W.; to the point of beginning.

**Altitudes.** Surface to 500 feet AGL.

**Times of use.** 0700-2200 daily.

**Using agency.** 25th Infantry Division, Schofield Barracks, HI

**A-371 Fort Campbell, KY**

**Boundaries.** Beginning at lat. 36°20'30"N., long. 87°27'00"W.; thence clockwise via a 20 NM radius arc centered upon Fort Campbell AAF (lat. 36°40'22"N., long. 87°29'24"W.) to lat. 36°35'00"N., long. 87°05'30"W.; to the point of beginning.

**Altitudes.** Surface to 2,000 feet MSL.

**Times of use.** Continuous.

**Using agency.** U. S. Army, Commander, Campbell AAF, Ft. Campbell, KY

TIMES OF USE CHANGED AND USING AGENCY ADDED 6/1/89

**A-381 Gulf Coast, Gulf of Mexico**

**Boundaries.** Beginning at lat. 30°00'01"N., long. 89°00'00"W.; to lat. 29°00'01"N., long. 89°00'00"W.; to lat. 29°00'01"N., long. 95°00'01"W.; to lat. 30°00'01"N., long. 95°00'01"W.; to lat. 30°00'01"N., long. 92°20'00"W.; to lat. 30°15'01"N., long. 92°00'00"W.; to lat. 30°00'01"N., long. 91°41'00"W.; to the point of beginning, excluding Class B, Class C, Class D, and Class E surface areas.

**Altitudes.** Surface to and including 2,000 feet MSL.

**Times of use.** Sunrise to Sunset, daily.

**Using agency.** General aviation aircraft - no specific agency.

BOUNDARIES AND ALTITUDES CHANGED 10/22/09

**A-440 Columbus AFB, MS**

**Boundaries.** Within an 8 NM radius of the Columbus AFB Airport reference point (lat. 33°38'38"N., long. 88°26'39"W.) and within 2 NM each side of the Caledonia VORTAC 137° radial, extending from the 8 NM radius to 12 NM southeast of the VORTAC.

**Altitudes.** Surface to and including 6,500 feet MSL.

**Times of use.** Sunrise to 3 hours after sunset, Monday-Friday (weekends by NOTAM).

**Using agency.** 14 Flying Training Wing, Columbus AFB, MS

**A-443 Shuqualak, MS**

**Boundaries.** That airspace within a 3.6 NM radius of the Columbus AFB Auxiliary Airfield (1MS8) at lat. 32°56'24"N., long. 88°34'45"W.

**Altitudes.** Surface to 3,500 feet MSL.

**Times of use.** Sunrise to sunset, Monday-Friday; other times by NOTAM.

**Using agency.** U.S. Air Force, 14<sup>th</sup> Flying Training Wing, Columbus AFB, MS.

**Note for Memphis Sectional Aeronautical Chart:** Alert Area A-443 Concentrated Military Flight Training

ADDED 1/15/09

**A-481 Nellis AFB, NV**

**Boundaries.** Beginning at lat. 36°14'00"N., long. 115°02'03"W.; to lat. 36°16'00"N., long. 115°39'03"W.; thence clockwise via the Nellis TACAN 30 NM DME arc to the border of R-4806 thence south along the border of R-4806 to lat. 36°26'00"N., long. 115°22'03"W.; to the point of beginning.

**Altitudes.** 7,000 feet MSL up to and including 17,000 feet MSL.

**Times of use.** Sunrise-2200 daily; otherwise by NOTAM.

**Using agency.** USAF Warfare Center, Nellis AFB, NV.

**Note:** High performance climbs and descents by Nellis AFB training missions.

USING AGENCY CHANGED 3/12/09

**A-530 Cherry Point, NC**

**Boundaries.** Beginning at lat. 35°08'01"N., long. 76°51'19"W.; to lat. 34°46'01"N., long. 76°29'59"W.; to lat. 34°45'11"N., long. 76°40'29"W.; to lat. 34°42'01"N., long. 76°54'44"W.; to lat. 34°51'01"N., long. 77°05'29"W.; to lat. 34°49'31"N., long. 77°09'59"W.; to lat. 35°03'01"N., long. 76°56'59"W.; to the point of beginning.

**Altitudes.** From surface to but not including FL 180.

**Times of use.** 0700-2300, daily.

**Using agency.** USMC, Commanding Officer, U.S. Marine Corps Air Station Cherry Point, NC.

TIMES OF USE CHANGED 1/15/09

**A-531 Albemarle, NC**

**Boundaries.** Beginning at lat. 35°03'00"N, long. 79°42'00"W; to lat. 35°06'00"N, long. 80°09'00"W; to lat. 35°39'00"N, long. 80°09'00"W; to lat. 35°36'00"N, long. 79°44'00"W; thence to point of beginning.

**Altitudes.** 200 feet AGL to 1,500 feet AGL.

**Times of use.** Intermittent, 0600-2400, Monday-Friday; Saturday and Sunday by NOTAM.

**Using agency.** U.S. Army, Fort Bragg, NC

**NOTE:** Extensive Military Helicopter Training 200 feet AGL to 1,500 feet AGL.

TIMES OF USE CHANGED 1/15/09

**A-561 Fredrick, OK**

**Boundaries.** Beginning at lat. 34°27'30"N., long. 99°02'01"W.; to lat. 34°27'30"N., long. 98°48'01"W.; at lat. 34°15'00"N., long. 98°48'01"W.; to lat. 34°15'00"N., long. 99°02'01"W.; to the point of beginning.

**Altitudes.** Surface to 4,000 feet MSL.

**Times of use.** Monday-Friday, sunrise-sunset.

**Using agency.** Commander, Sheppard AFB, TX

TIME OF USE CHANGED 1/4/96

**A-562A Enid, OK**

**Boundaries.** Beginning: at lat. 36°10'00"N., long. 98°02'01"W; to lat. 36°30'00"N., long. 98°02'01"W; to lat. 36°30'00"N., long. 97°49'01"W; to lat. 36°10'00"N., long. 97°49'01"W; to the point of beginning, excluding the Vance AFB, OK Class D airspace and Class E surface area; and the Woodring Regional Airport, Enid, OK Class D airspace and Class E surface area.

**Altitudes.** Surface to and including 10,000 feet MSL.

**Times of Use.** Sunrise to 3 hours after sunset, Monday-Friday.

**Using agency.** Commander, Vance AFB, OK

REVISED 10/27/05

**A-562B Enid, OK**

**Boundaries.** Beginning at lat. 36°37'00"N., long. 97°58'01"W.; to lat. 36°37'00"N., long. 98°11'01"W.; to lat. 36°52'00"N., long. 98°11'01"W.; to lat. 36°52'00"N., long. 97°58'01"W.; to the point of beginning.

**Altitudes.** Surface to and including 10,000 feet MSL.

**Times of use.** Sunrise-sunset Monday-Friday.

**Using agency.** Commander, Vance AFB, OK

**A-632A Corpus Christi, TX**

**Boundaries.** Beginning at lat. 27°37'01"N., long. 99°04'41"W.; to lat. 27°49'31"N., long. 98°06'31"W.; to lat. 27°45'01"N., long. 98°07'01"W.; to lat. 27°44'01"N., long. 97°53'01"W.; thence counterclockwise along the 25 NM arc of the Corpus Christi VORTAC to lat. 27°31'01"N., long. 97°36'01"W.; to lat. 27°05'01"N., long. 97°44'01"W.; to lat. 26°43'01"N., long. 97°51'16"W.; to lat. 26°40'01"N., long. 97°56'01"W.; to lat. 26°46'01"N., long. 98°04'01"W.; to lat. 27°21'01"N., long. 98°04'01"W.; to lat. 27°21'01"N., long. 98°39'01"W.; to lat. 27°33'01"N., long. 98°45'01"W.; to lat. 27°29'01"N., long. 99°03'01"W.; thence counterclockwise along the 20 NM arc of the Laredo VORTAC to the point of beginning.

**Altitudes.** 6,000 feet MSL to but not including FL 180.

**Times of use.** Sunrise-2300 Monday-Friday; sunrise-sunset Saturday; 1200-sunset Sunday.

**Using agency.** U.S. Navy, Commanding Officer, NAS Corpus Christi, TX

USING AGENCY CHANGED 10/10/96

**A-632B Corpus Christi Extension, TX**

**Boundaries.** Beginning at lat. 27°46'07"N., long. 96°49'50"W.; thence northeast along a line 12NM from and parallel to the shoreline; to lat. 27°57'30"N., long. 96°38'13"W.; to lat. 28°07'01"N., long. 96°58'01"W.; to lat. 28°07'01"N., long. 96°59'21"W.; to lat. 27°58'12"N., long. 97°12'43"W.; to lat. 27°42'02"N., long. 97°22'31"W.; to lat. 27°12'01"N., long. 97°20'01"W.; to lat. 27°20'45"N., long. 97°05'20"W.; thence along the western boundary of W-228A; to the point of beginning, excluding (1) the Corpus Christi International Airport, TX, Class C airspace, (2) the NAS Corpus

Christi, TX, Class D airspace, (3) the NAS Corpus Christi (Cabaniss NOLF), TX, Class D airspace, and (4) the NAS Corpus Christi (Waldron NOLF), TX, Class D airspace.

**Altitudes.** Surface to but not including FL 180.

**Times of use.** 0700-2400 Monday-Sunday.

**Using agency.** U.S. Navy, Commanding Officer, NAS Corpus Christi, TX

BOUNDARIES AND USING AGENCY CHANGED 10/10/96

### **A-632C Corpus Christi, TX**

**Boundaries.** Beginning at lat. 27°57'01"N., long. 97°44'01"W.; to lat. 27°34'01"N., long. 97°35'01"W.; to lat. 27°31'01"N., long. 97°36'01"W.; thence NW along a 25 NM arc of the Corpus Christi VORTAC to lat. 27°44'01"N., long. 97°53'01"W.; to lat. 27°45'01"N., long. 98°07'01"W.; to lat. 27°49'31"N., long. 98°06'31"W.; to lat. 28°07'31"N., long. 98°09'46"W.; to the point of beginning.

**Altitudes.** From the surface to but not including FL 180.

**Times of use.** Sunrise-2400 Monday-Friday.

**Using agency.** U.S. Navy, Commanding Officer, NAS Corpus Christi, TX.

USING AGENCY CHANGED 10/10/96

### **A-632D Corpus Christi, TX**

**Boundaries.** Beginning at lat. 29°04'01"N., long. 97°30'01"W.; arc clockwise on the 61 NM arc of the San Antonio VORTAC to lat. 28°40'01"N., long. 98°07'31"W.; to lat. 28°32'31"N., long. 98°04'31"W.; to lat. 28°00'01"N., long. 97°26'46"W.; to lat. 28°27'01"N., long. 97°02'41"W.; to lat. 28°40'50"N., long. 97°19'10"W.; arc counterclockwise on the 83 NM arc of the San Antonio VORTAC to lat. 28°52'01"N., long. 97°08'46"W.; to the point of beginning.

**Altitudes.** From 6,000 feet MSL to but not including 11,000 feet MSL.

**Times of use.** Sunrise-2400 Monday-Friday; 1400-2400 Sunday; other times by NOTAM.

**Using agency.** U.S. Navy, Commanding Officer, NAS Corpus Christi, TX

USING AGENCY CHANGED 10/10/96

### **A-632E Corpus Christi, TX**

**Boundaries.** Beginning at lat. 29°10'31"N., long. 96°58'01"W.; arc clockwise on the 83 NM arc of the San Antonio VORTAC to lat. 28°40'50"N., long. 97°19'10"W.; to lat. 28°27'01"N., long. 97°02'41"W.; to lat. 28°29'31"N., long. 97°00'31"W.; to lat. 28°38'01"N., long. 96°45'31"W.; to lat. 28°53'31"N., long. 96°35'31"W.; to lat. 29°06'31"N., long. 96°44'31"W.; to the point of beginning.

**Altitudes.** From 6,000 feet MSL to but not including 9,000 feet.

**Times of use.** Sunrise-2400 Monday-Friday; 1400-2400 Sunday; other times by NOTAM.

**Using agency.** U.S. Navy, Commanding Officer, NAS Corpus Christi, TX

USING AGENCY CHANGED 10/10/96

**A-632F Corpus Christi, TX**

**Boundaries.** Beginning at lat. 27°57'30"N., long. 96°38'13"W.; to lat. 28°07'01"N., long. 96°58'01"W.; to lat. 28°30'01"N., long. 96°28'01"W.; to lat. 28°20'01"N., long. 96°20'01"W.; to lat. 28°08'01"N., long. 96°41'01"W.; to lat. 28°03'05"N., long. 96°31'40"W.; thence southwest along a line 12 NM from and parallel to the shoreline; to the point of beginning.

**Altitudes.** 3,000 feet AGL to but not including FL 180.

**Times of use.** 0700-midnight Monday-Saturday.

**Using agency.** U.S. Navy, Commanding Officer, NAS Corpus Christi, TX

BOUNDARIES AND USING AGENCY CHANGED 10/10/96

**A-633A Laughlin AFB, TX**

**Boundaries.** Within the area encompassed by a 15 NM radius of lat. 29°22'01"N., long. 100°47'01"W., excluding the airspace in Mexico.

**Altitudes.** Surface to 7,000 feet MSL.

**Times of use.** Sunrise-sunset, Monday-Friday.

**Using agency.** Commander, Laughlin AFB, TX

**A-633B Laughlin AFB, TX**

**Boundaries.** Within the area encompassed by a 7 NM radius of the Laughlin AFB Auxiliary Airfield (lat. 29°07'46"N., long. 100°28'20"W.).

**Altitudes.** Surface to 4,000 feet MSL.

**Times of use.** Sunrise-sunset, Monday-Friday; other times by NOTAM.

**Using agency.** USAF, Commander, Laughlin AFB, TX

**A-635 Randolph AFB, TX**

**Boundaries.** Beginning at lat. 29°25'16"N., long. 98°08'31"W.; to lat. 29°35'01"N., long. 98°11'31"W.; to lat. 29°40'31"N., long. 98°19'16"W.; to lat. 29°38'16"N., long. 98°24'16"W.; to lat. 29°34'31"N., long. 98°22'16"W.; to lat. 29°30'16"N., long. 98°22'31"W.; to lat. 29°22'31"N., long. 98°14'16"W.; to the point of beginning, excluding the airspace within the San Antonio, Randolph AFB, TX, Class D airspace area.

**Altitudes.** 1,500 feet MSL to and including 4,000 feet MSL.

**Times of use.** Sunrise to 3 hours after sunset, Monday-Friday.

**Using agency.** Commander, Randolph AFB, TX

BOUNDARIES CHANGED 9/16/93

**A-636 Wichita Falls, TX**

**Boundaries.** The airspace within a 13 NM radius of the Sheppard AFB/Wichita Falls Municipal Airport (lat. 33°59'06"N., long. 98°29'32"W.), excluding the airspace within the Wichita Falls, TX, Class D airspace area.

**Altitudes.** From the surface to and including 4,000 feet MSL.

**Times of use.** Monday-Friday, one hour before sunrise to one hour after sunset.

**Using agency.** Commander, Sheppard AFB, TX

TIMES OF USE CHANGED 1/4/96

#### **A-638 Seguin, TX**

**Boundaries.** Beginning at lat. 29°38'01"N., long. 98°04'01"W.; to lat. 29°41'01"N., long. 97°55'01"W.; to lat. 29°31'01"N., long. 97°44'01"W.; to lat. 29°27'01"N., long. 97°48'01"W.; to lat. 29°27'01"N., long. 97°54'01"W.; to the point of beginning.

**Altitudes.** Surface to 3,000 feet MSL.

**Times of use.** Sunrise-sunset, Monday-Friday

**Using agency.** Commander, Randolph AFB, TX

#### **A-639A Academy, CO**

**Boundaries.** Beginning at lat. 38°50'00"N., long. 104°19'00"W to lat. 38°45'00"N., long. 103°43'00"W to lat. 38°22'00"N., long. 103°43'00"W to lat. 38°22'00"N., long. 104°20'00"W to point of beginning.

**Altitudes.** 3,000 feet AGL to and including 12,000 feet MSL.

**Times of use.** Sunrise to Sunset, Monday through Friday, except holidays; Sunrise to Sunset, Saturday and Sunday by NOTAM.

**Using agency.** USAF 557th Flying Training Squadron, USAF Academy CO.

TIMES OF USE CHANGED 1/15/09

#### **A-639B Academy, CO**

**Boundaries.** Beginning at lat. 39°11'00"N., long. 104°16'00"W to lat. 39°12'00"N., long. 104°12'00"W to lat. 39°00'00"N., long. 103°59'00"W to lat. 38°56'00"N., long. 103°59'00"W to lat. 38°58'00"N., long. 104°16'00"W to point of beginning.

**Altitudes.** 3,000 feet AGL to and including 12,000 feet MSL.

**Times of use.** Sunrise to Sunset, Monday through Friday, except holidays; Sunrise to Sunset, Saturday and Sunday by NOTAM.

**Using agency.** USAF 557th Flying Training Squadron, USAF Academy CO.

TIME OS USE CHANGED 1/15/09

#### **A-640 Hondo, TX**

**Boundaries.** Beginning at lat. 28°36'00"N., long. 99°11'30"W.; to lat. 29°02'00"N., long. 99°43'30"W.; to lat. 29°46'00"N., long. 99°46'00"W.; to lat. 29°48'30"N., long. 99°12'00"W.; to lat. 29°32'00"N., long. 98°56'30"W.; to lat. 29°09'30"N., long. 98°56'30"W.; to lat. 29°09'30"N., long. 98°53'30"W.; to lat. 28°51'24"N., long. 98°52'30"W.; to the point of beginning.

**Altitudes.** 200 feet AGL up to and including 7500 feet MSL.

**Times of use.** Sunrise to sunset, Monday-Friday, except for holidays. Other times by NOTAM.  
**Using agency.** USAF, 12TH Flying Training Wing, Randolph AFB, TX

BOUNDARIES AND ALTITUDES CHANGED 9/11/97

**A-680 OLF Coupeville, WA**

**Boundaries.** 3 NM radius of lat. 48°10'59"N., long. 122°38'05"W.

**Altitudes.** Surface to and including 3,000 feet MSL.

**Times of use.** Apr-Oct, 1000-0130 local time Monday-Friday; Nov-Mar, 1000-2359 local time Monday-Friday; other times by NOTAM.

**Using agency.** U.S. Navy, Commanding Officer, NAS Whidbey Island, Oak Harbor, WA

TIMES OF USE CHANGED 9/16/93

**A-682 Travis AFB, CA**

**Boundaries.** Beginning at lat. 38°13'20"N., long. 122°11'24"W.; to lat. 38°31'15"N., long. 121°44'34"W.; to lat. 38°23'30"N., long. 121°42'04"W.; to lat. 38°19'20"N., long. 121°40'14"W.; to lat. 38°14'50"N., long. 121°44'14"W.; to lat. 38°07'30"N., long. 121°55'34"W.; to lat. 38°05'40"N., long. 122°08'44"W.; to lat. 38°09'30"N., long. 122°13'04"W.; thence counterclockwise along a 5-statute-mile arc centered upon lat. 38°12'47"N., long. 122°16'49"W., (Napa County Airport) to the point of beginning.

**Altitudes.** North of Travis AFB Runways 21L/03R extended centerlines surface to 6,000 feet MSL. South of Travis AFB Runways 21L/03R extended centerlines surface to 3,000 feet MSL.

**Times of use.** 0800-2100 Monday-Friday.

**Using agency.** Travis AFB, CA

**A-683 Wichita McConnell AFB, KS**

**Boundaries.** Beginning at lat. 37°48'00"N., long. 97°08'01"W.; to lat. 37°32'00"N., long. 97°08'01"W.; to lat. 37°32'00"N., long. 97°17'01"W.; to lat. 37°48'00"N., long. 97°17'01"W.; to the point of beginning.

**Altitudes.** Surface to and including 4,500feet MSL.

**Times of use.** 0800-1900 Monday-Friday.

**Using agency.** McConnell AFB/Beech Aircraft Corp./Cessna Aircraft Company/Boeing Military Aircraft Company



**A-685 Dahlonaga, GA**

**Boundaries.** That airspace within a 12.5-nautical-mile radius of lat. 34°42'54"N., long. 84°07'04"W.

**Altitudes.** Surface to 700 feet AGL.

**Times of use.** Intermittent, Sunrise to sunset, daily.

**Using agency.** U.S. Army, 5<sup>th</sup> Ranger Training Battalion, Camp Merrill, Dahlonaga, GA.

ADDED 12/25/03

## Subpart D – Warning Areas

### Definition.

A nonregulatory warning area is airspace of defined dimensions designated over international waters that contains activity which may be hazardous to nonparticipating aircraft. The purpose of such warning areas is to warn nonparticipating pilots of the potential danger.

### Activities.

Activities that may be hazardous.

AMENDMENTS 12/27/88 54 FR 260 (Revised)

#### **W-50A Dam Neck, VA**

**Boundaries.** Beginning at lat. 36°51'01"N., long. 75°54'29"W.; to lat. 36°51'06"N., long. 75°52'09"W.; thence via a 5.9 NM arc centered at lat. 36°46'49"N., long. 75°57'23"W.; to lat. 36°48'21"N., long. 75°50'17"W.; to lat. 36°48'38"N., long. 75°48'58"W.; to lat. 36°37'01"N., long. 75°48'58"W.; along a line 3 NM from and parallel to the shoreline; thence to the point of beginning.

**Altitudes.** Surface to FL 750.

**Times of use.** Intermittent by NOTAM.

**Controlling agency.** FAA, Washington ARTCC.

**Using agency.** U.S. Navy, Fleet Area Control and Surveillance Facility, VACAPES, Virginia Beach, VA.

ADDED 1/11/90

#### **W-50B Dam Neck, VA**

**Boundaries.** Beginning at lat. 36°48'38"N., long. 75°48'58"W.; to lat. 36°50'38"N., long. 75°39'34"W.; thence via a 14.8 NM arc centered at lat. 36°46'49"N., long. 75°57'23"W.; to lat. 36°39'50"N., long. 75°41'09"W.; to lat. 36°43'12"N., long. 75°48'58"W.; thence to the point of beginning.

**Altitudes.** Surface to FL 750.

**Times of use.** Intermittent by NOTAM.

**Controlling agency.** FAA, Washington ARTCC

**Using agency.** U.S. Navy, Fleet Area Control and Surveillance Facility, VACAPES, Virginia Beach, VA.

ADDED 1/11/90

**W-50C Dam Neck, VA**

**Boundaries.** Beginning at lat. 36°43'12"N., long. 75°48'58"W.; to lat. 36°39'50"N., long. 75°41'09"W.; thence via a 14.8 NM arc centered at lat. 36°46'49"N., long. 75°57'23"W.; to lat. 36°33'59"N., long. 75°48'12"W.; along a line 3 NM from and parallel to the shoreline; to lat. 36°37'01"N., long. 75°48'58"W.; thence to the point of beginning.

**Altitudes.** Surface to FL 750.

**Times of use.** Intermittent by NOTAM.

**Controlling agency.** FAA, Washington ARTCC

**Using agency.** U.S. Navy, Fleet Area Control and Surveillance Facility, VACAPES, Virginia Beach, VA

ADDED 1/11/90

**W-54A New Orleans, LA**

**Boundaries.** Beginning at lat. 28°15'01"N., long. 90°30'00"W. to lat. 27°20'01"N., long. 91°05'00"W.; to lat. 27°00'01"N., long. 91°05'00"W.; to lat. 27°00'00"N., long. 91°17'00"W.; to lat. 27°16'00"N., long. 91°34'00"W.; to lat. 28°15'00"N., long. 90°42'42"W.; to the point of beginning.

**Altitudes.** Surface to FL 400.

**Times of use.** 0700-2400 daily; other times by NOTAM.

**Controlling agency.** FAA, Houston ARTCC.

**Using agency.** Naval Air Reserve, NAS JRB New Orleans, LA.

ADDED 10/27/05

**W-54B New Orleans, LA**

**Boundaries.** Beginning at lat. 28°35'00"N., long. 90°13'00"W.; to lat. 28°15'01"N., long. 90°13'00"W.; to lat. 28°15'00"N., long. 90°42'42"W.; to lat. 28°35'00"N., long. 90°25'00"W.; to the point of beginning.

**Altitudes.** Surface to but not including FL 240.

**Times of use.** 0700-2400 daily; other times by NOTAM.

**Controlling agency.** FAA, Houston ARTCC.

**Using agency.** Naval Air Reserve, NAS JRB New Orleans, LA.

ADDED 10/27/05

**W-54C New Orleans, LA**

**Boundaries.** Beginning at lat. 28°35'00"N., long. 90°13'00"W.; to lat. 28°15'01"N., long. 90°13'00"W.; to lat. 28°15'00"N., long. 90°42'42"W.; to lat. 28°35'00"N., long. 90°25'00"W.; to the point of beginning.

**Altitudes.** FL 240 to FL 400.

**Times of use.** 0700-2400 daily; other times by NOTAM.

**Controlling agency.** FAA, Houston ARTCC.

**Using agency.** Naval Air Reserve, NAS JRB New Orleans, LA.

ADDED 10/27/05

**W-59A Gulf of Mexico, Southwest of New Orleans, LA**

**Boundaries.** Beginning at lat. 28°59'42"N., long. 91°17'28"W.; to lat. 28°05'19"N., long. 92°19'38"W.; to lat. 27°38'00"N., long. 91°55'00"W.; to lat. 28°45'00"N., long. 90°51'00"W.; to the point of beginning.

**Altitude.** 5,000 feet MSL to FL 500.

**Time of use.** 0900-2100 Monday-Sunday; other times by NOTAM.

**Controlling agency.** FAA Houston ARTCC.

**Using agency.** 159th Fighter Group, NAS Calendar, New Orleans, LA.

ADDED 6/20/96

**W-59B Gulf of Mexico, Southwest of New Orleans, LA**

**Boundaries.** Beginning at lat. 29°07'00"N., long. 91°09'00"W.; to lat. 28°05'19"N., long. 92°19'38"W.; to lat. 28°57'00"N., long. 93°07'00"W.; to lat. 29°07'00"N., long. 93°07'00"W.; to the point of beginning.

**Altitude.** 5,000 feet MSL up to, but not including, FL 280.

**Time of use.** 0900-2100 Monday-Sunday; other times by NOTAM.

**Controlling agency.** FAA Houston ARTCC.

**Using agency.** 159th Fighter Group, NAS Calendar, New Orleans, LA.

ADDED 6/20/96

**W-59C Gulf of Mexico, Southwest of New Orleans, LA**

**Boundaries.** Beginning at lat. 29°07'00"N., long. 091°09'00"W.; to lat. 28°05'19"N., long. 092°19'38"W.; to lat. 28°57'00"N., long. 093°07'00"W.; to lat. 29°07'00"N., long. 093°07'00"W.; to the point of beginning.

**Altitude.** FL 280 to FL 500.

**Time of use.** By NOTAM.

**Controlling agency.** FAA Houston ARTCC.

**Using agency.** 159th Fighter Group, NAS Calendar, New Orleans, LA.

ADDED 6/20/96

**W-60 Oceanside, CA**

**Boundaries.** Beginning at lat. 32°50'25"N., long. 119°15'25"W.; to lat. 32°10'45"N., long. 120°16'18"W.; to lat. 32°31'59"N., long. 120°30'48"W.; to the point of beginning.

**Altitudes.** Surface to unlimited.

**Times of use.** Intermittent by NOTAM.

**Controlling agency.** FAA, Los Angeles ARTCC.

**Using agency.** U.S. Navy, Commander, Naval Air Warfare Center Weapons Division, Point Mugu, CA.

TIMES OF USE CHANGED 1/15/09

**W-61 Mission Bay, CA**

**Boundaries.** Beginning at lat. 32°31'59"N., long. 120°30'50"W.; to lat. 32°10'45"N., long. 120°16'18"W.; to lat. 31°54'00"N., long. 121°34'34"W.; to lat. 32°13'30"N., long. 121°43'04"W.; to the point of beginning.

**Altitudes.** Surface to unlimited.

**Times of use.** Intermittent by NOTAM.

**Controlling agency.** FAA, Los Angeles ARTCC.

**Using agency.** U.S. Navy, Commander, Naval Air Warfare Center Weapons Division, Point Mugu, CA.

TIMES OF USE CHANGED 1/15/09

**W-72A North Carolina, NC**

**Boundaries.** Beginning at lat. 36°49'01"N., long. 75°53'59"W.; to lat. 36°49'01"N., long. 75°31'59"W.; to lat. 36°46'58"N., long. 74°29'59"W.; to lat. 35°10'36"N., long. 74°29'59"W.; to lat. 35°57'01"N., long. 75°32'59"W.; thence 3 NM from and parallel to the shoreline to the point of beginning.

**Altitudes.** E of long. 75°30'00"W., surface to unlimited; W of long. 75°30'00"W., surface to but not including 2,000 feet MSL and above FL 600 to unlimited.

**Times of use.** Intermittent by NOTAM.

**Controlling agency.** FAA, Washington ARTCC.

**Using agency.** U.S. Navy, Fleet Area Control Surveillance Facility Virginia Beach, VA 23460.

TIMES OF USE CHANGED 1/15/09

**W-72B North Carolina, NC**

**Boundaries.** Beginning at lat. 36°46'58"N., long. 74°29'59"W.; to lat. 36°42'09"N., long. 72°39'58"W.; to lat. 35°05'35"N., long. 72°40'00"W.; to lat. 34°29'17"N., long. 73°34'23"W.; to lat. 34°33'10"N., long. 73°40'50"W.; to lat. 35°10'36"N., long. 74°29'59"W.; to the point of beginning.

**Altitudes.** Surface to unlimited.

**Times of use.** Intermittent by NOTAM.

**Controlling agency.** FAA, Washington ARTCC.

**Using agency.** U.S. Navy, Fleet Area Control Surveillance Facility, Virginia Beach, VA 23460.

TIMES OF USE CHANGED 1/15/09

#### **W-74 Beaufort, SC**

**Boundaries.** Beginning at lat. 32°29'31"N., long. 80°10'34"W.; thence southwest along the western boundary of Warning Areas W-133 and W-134; to lat. 32°05'13"N., long. 80°25'45"W.; to lat. 32°10'56"N., long. 80°37'39"W.; thence northeast 3 NM from and parallel to the U. S. coast to the point of beginning.

**Altitudes.** Surface to 10,000 feet MSL excluding airspace 3,000 feet MSL and below in the following area: Beginning at lat. 32°13'21"N., long. 80°33'09"W.; thence clockwise via a 7.5 NM arc centered at lat. 32°13'01"N., long. 80°41'59"W.; to lat. 32°09'23"N., long. 80°34'26"W.; to lat. 32°10'56"N., long. 80°37'39"W.; thence 3 NM from and parallel to the U. S. coast to the point of beginning.

**Times of use.** Intermittent by NOTAM (in conjunction with Beaufort MOA)

**Controlling agency.** FAA, Jacksonville ARTCC

**Using agency.** Marine Corps Air Station Beaufort, Beaufort, SC

#### **W-92 New Orleans, LA**

**Boundaries.** Beginning at lat. 28°15'01"N., long. 90°13'00"W.; to lat. 27°00'01"N., long. 90°13'00"W.; to lat. 27°00'01"N., long. 91°05'00"W.; to lat. 27°20'01"N., long. 91°05'00"W.; to lat. 28°15'01"N., long. 90°30'00"W.; to the point of beginning.

**Altitudes.** Surface to FL 400.

**Times of use.** 0700-2400, daily.

**Controlling agency.** FAA, Houston ARTCC

**Using agency.** Commander, Naval Air Station, New Orleans, LA

TIMES OF USE CHANGED 1/15/09

#### **W-93 North Bend North, OR**

**Boundaries.** Beginning at lat. 43°14'49"N., long. 126°10'50"W.; to lat. 43°51'59"N., long. 125°07'05"W.; to lat. 44°13'00"N., long. 124°23'30"W.; thence south 12 miles from and parallel to the U.S. shoreline to lat. 42°10'00"N., long. 124°38'52"W.; to lat. 42°10'00"N., long. 125°20'12"W.; to lat. 42°15'29"N., long. 125°25'22"W.; thence to the point of beginning.

**Altitudes.** Surface to FL 500.

**Times of use.** 0800-1600 daily, other times by NOTAM.

**Controlling agency.** FAA, Seattle ARTCC.

**Using agency.** ANG, 173<sup>rd</sup> Tactical Fighter Wing, Kingsley Field, Klamath Falls.

ADDED 4/18/02

**W-93 North Bend South, OR**

**Boundaries.** Beginning at lat. 42°10'00"N., long. 125°20'12"W.; to lat. 42°10'00"N., long. 124°38'52"W.; thence south 12 miles from and parallel to the U.S. shoreline to lat. 41°25'00"N., long. 124°19'30"W.; to lat. 41°25'00"N., long. 124°37'10"W.; thence to the point of beginning.

**Altitudes.** Surface to FL 500.

**Times of use.** 0800-1600 daily, other times by NOTAM.

**Controlling agency.** FAA, Seattle ARTCC.

**Using agency.** ANG, 173<sup>rd</sup> Tactical Fighter Wing, Kingsley Field, Klamath Falls.

ADDED 4/18/02

**W-102H High, Machias, ME**

**Boundaries.** Beginning at lat. 43°41'00"N., long. 69°29'58"W.; to lat. 43°50'00"N., long. 68°52'58"W.; to lat. 44°21'00"N., long. 66°59'58"W.; to lat. 43°48'00"N., long. 66°59'58"W.; to lat. 43°23'00"N., long. 68°43'58"W.; to lat. 43°05'00"N., long. 69°29'58"W.; to the point of beginning.

**Altitudes.** From above 17,000 feet MSL to FL 600.

**Times of use.** Intermittent by NOTAM.

**Controlling agency.** FAA, Boston ARTCC

**Using agency.** USAF, Eastern Air Defense Sector, Rome, NY.

USING AGENCY CHANGED 2/11/10

**W-102L Low, Machias, ME**

**Boundaries.** Beginning at lat. 43°41'00"N., long. 69°29'58"W.; to lat. 43°50'00"N., long. 68°52'58"W.; to lat. 44°21'00"N., long. 66°59'58"W.; to lat. 43°48'00"N., long. 66°59'58"W.; to lat. 43°23'00"N., long. 68°43'58"W.; to lat. 43°05'00"N., long. 69°29'58"W.; to the point of beginning.

**Altitudes.** Surface to and including 17,000 feet MSL.

**Times of use.** Intermittent by NOTAM.

**Controlling agency.** FAA, Boston ARTCC

**Using agency.** USAF, Eastern Air Defense Sector, Rome, NY.

USING AGENCY CHANGED 2/11/10

**W-103 Casco Bay, ME**

**Boundaries.** Beginning at lat. 43°24'02"N., long. 70°15'38"W.; to lat. 43°30'00"N., long. 70°05'58"W.; to lat. 43°41'00"N., long. 69°29'58"W.; to lat. 43°05'00"N., long. 69°29'58"W.; to lat. 42°43'15"N., long. 70°24'58"W.; to lat. 43°11'13"N., long. 70°24'58"W.; to the point of beginning.

**Altitudes.** Surface to and including 2,000 feet MSL.

**Times of use.** Intermittent by NOTAM.

**Controlling agency.** FAA, Boston ARTCC

**Using agency.** USAF, Eastern Air Defense Sector, Rome, NY.

USING AGENCY CHANGED 2/11/10

**W-104A Boston, MA**

**Boundaries.** Beginning at lat. 42°34'00"N., long. 70°03'58"W.; to lat. 42°41'00"N., long. 69°33'58"W.; to lat. 42°22'00"N., long. 69°29'58"W.; to lat. 42°25'00"N., long. 69°46'58"W.; to lat. 42°25'00"N., long. 70°03'58"W.; to the point of beginning.

**Altitudes.** Surface to 10,000 feet MSL.

**Times of use.** Intermittent by NOTAM.

**Controlling agency.** FAA, Boston, ARTCC

**Using agency.** USAF, Eastern Air Defense Sector, Rome, NY.

USING AGENCY CHANGED 2/11/10

**W-104B Boston, MA**

**Boundaries.** Beginning at lat. 42°41'00"N., long. 69°33'58"W.; to lat. 42°56'00"N., long. 68°29'58"W.; thence counterclockwise along the arc of a circle 13.5 statute miles in radius centered at lat. 43°07'00"N., long. 68°33'58"W.; to lat. 42°57'00"N., long. 68°26'58"W.; to lat. 43°18'00"N., long. 67°29'58"W.; to lat. 43°15'00"N., long. 67°29'58"W.; to lat. 42°47'00"N., long. 68°19'58"W.; thence counterclockwise along the arc of a circle 15 statute miles in radius centered at lat. 42°36'00"N., long. 68°09'58"W.; to lat. 42°44'00"N., long. 68°23'58"W.; to lat. 42°19'00"N., long. 68°56'58"W.; to lat. 42°22'00"N., long. 69°29'58"W.; to the point of beginning.

**Altitudes.** Surface to but not including FL 180.

**Times of use.** Intermittent by NOTAM.

**Controlling agency.** FAA, Boston ARTCC

**Using agency.** USAF, Eastern Air Defense Sector, Rome, NY.

USING AGENCY CHANGED 2/11/10

**W-104C Boston, MA**

**Boundaries.** Beginning at lat. 42°41'00"N., long. 69°33'58"W.; to lat. 42°56'00"N., long. 68°29'58"W.; thence counterclockwise along the arc of a circle 13.5 statute miles in radius centered at lat. 43°07'00"N., long. 68°33'58"W.; to lat. 42°57'00"N., long. 68°26'58"W.; to lat. 43°18'00"N., long. 67°29'58"W.; to lat. 43°15'00"N., long. 67°29'58"W.; to lat. 42°47'00"N., long. 68°19'58"W.; thence counterclockwise along the arc of a circle 15 statute miles in radius centered at lat. 42°36'00"N., long. 68°09'58"W.; to lat. 42°44'00"N., long. 68°23'58"W.; to lat. 42°19'00"N., long. 68°56'58"W.; to lat. 42°22'00"N., long. 69°29'58"W.; to the point of beginning.



**Altitudes.** FL 180 to unlimited.

**Times of use.** Intermittent by NOTAM.

**Controlling agency.** FAA, Boston ARTCC

**Using agency.** USAF, Eastern Air Defense Sector, Rome, NY.

USING AGENCY CHANGED 2/11/10

### **W-105A Narragansett, RI**

**Boundaries.** Beginning at lat. 40°11'55"N., long. 72°46'53"W.; to lat. 40°34'00"N., long. 72°19'58"W.; to lat. 40°38'00"N., long. 71°59'58"W.; to lat. 40°44'00"N., long. 71°59'58"W.; to lat. 41°06'52"N., long. 70°22'51"W.; to lat. 41°05'26"N., long. 70°19'47"W.; to lat. 41°04'35"N., long. 70°16'00"W.; to lat. 41°03'43"N., long. 70°14'10"W.; to lat. 41°03'21"N., long. 70°13'01"W.; to lat. 41°02'32"N., long. 70°09'24"W.; to lat. 41°02'29"N., long. 70°05'12"W.; to lat. 41°02'34"N., long. 70°01'26"W.; to lat. 41°02'38"N., long. 70°00'15"W.; to lat. 41°02'30"N., long. 70°00'00"W.; to lat. 40°39'50"N., long. 69°23'28"W.; to lat. 40°26'46"N., long. 69°06'23"W.; to lat. 39°58'00"N., long. 68°29'50"W.; to lat. 39°38'42"N., long. 71°33'46"W.; to the point of beginning.

**Altitudes.** Surface to FL 500.

**Times of use.** Intermittent by NOTAM.

**Controlling agency.** FAA, Boston ARTCC.

**Using agency.** U.S. Navy, Commanding Officer, Fleet Area Control and Surveillance Facility, Virginia Capes, Naval Air Station, Oceana, Virginia Beach, VA.

TIMES OF USE CHANGED 1/15/09

### **W-105B Narragansett, RI**

**Boundaries.** Beginning at lat. 40°04'20"N., long. 72°29'58"W.; to lat. 39°38'42"N., long. 71°33'46"W.; to lat. 39°40'45"N., long. 71°14'58"W.; to lat. 39°10'24"N., long. 71°49'10"W.; to lat. 39°41'33"N., long. 72°29'58"W.; to the point of beginning.

**Altitudes.** Surface to FL 180.

**Times of use.** Intermittent by NOTAM.

**Controlling agency.** FAA, Boston ARTCC.

**Using agency.** U.S. Navy, Commanding Officer, Fleet Area Control and Surveillance Facility, Virginia Capes, Naval Air Station, Oceana, Virginia Beach, VA.

TIMES OF USE CHANGED 1/15/09

### **W-106A Patchogue, NY**

**Boundaries.** Beginning at lat. 40°13'00"N., long. 73°14'58"W.; to lat. 40°24'00"N., long. 73°14'58"W.; to lat. 40°26'00"N., long. 73°13'00"W.; thence 12 NM from and parallel to the shoreline to lat. 40°36'00"N., long. 72°36'00"W.; to lat. 40°15'20"N., long. 73°01'28"W.; to lat. 40°11'35"N., long. 73°05'33"W.; to lat. 40°04'43"N., long. 72°55'03"W.; to lat. 39°59'40"N., long. 73°00'28"W.; to lat. 40°08'00"N., long. 73°09'28"W.; to the point of beginning.

**Altitudes.** Surface to 3,000 feet MSL.

**Times of use.** Intermittent by NOTAM.

**Controlling agency.** FAA, Boston ARTCC

**Using agency.** Commanding Officer, Fleet Area Control and Surveillance Facility, Virginia Capes, Naval Air Station, Oceana, Virginia Beach, VA.

TIMES OF USE CHANGED 1/15/09

#### **W-106B Patchogue, NY**

**Boundaries.** Beginning at lat. 40°11'35"N., long. 73°05'33"W.; to lat. 40°15'20"N., long. 73°01'28"W.; to lat. 40°36'00"N., long. 72°36'00"W.; thence 12 NM from and parallel to the shoreline to lat. 40°41'00"N., long. 72°17'00"W.; to lat. 40°41'30"N., long. 72°10'28"W.; to lat. 40°42'00"N., long. 72°06'58"W.; to lat. 40°44'00"N., long. 71°59'58"W.; to lat. 40°38'00"N., long. 71°59'58"W.; to lat. 40°34'00"N., long. 72°19'58"W.; to lat. 40°26'00"N., long. 72°29'58"W.; to lat. 40°08'30"N., long. 72°50'58"W.; to lat. 40°04'43"N., long. 72°55'03"W.; to the point of beginning.

**Altitudes.** Surface to 8,000 feet MSL.

**Times of use.** Intermittent by NOTAM.

**Controlling agency.** FAA, Boston ARTCC

**Using agency.** Commanding Officer, Fleet Area Control and Surveillance Facility, Virginia Capes, Naval Air Station, Oceana, Virginia Beach, VA.

TIMES OF USE CHANGED 1/15/09

#### **W-106C Patchogue, NY**

**Boundaries.** Beginning at lat. 40°04'43"N., long. 72°55'03"W.; to lat. 40°08'30"N., long. 72°50'58"W.; to lat. 40°11'55"N., long. 72°46'53"W.; to lat. 40°04'20"N., long. 72°29'58"W.; to lat. 39°48'06"N., long. 72°29'58"W.; to the point of beginning.

**Altitudes.** Surface to 10,000 feet MSL.

**Times of use.** Intermittent by NOTAM.

**Controlling agency.** FAA, Boston ARTCC

**Using agency.** Commanding Officer, Fleet Area Control and Surveillance Facility, Virginia Capes, Naval Air Station, Oceana, Virginia Beach, VA.

TIMES OF USE CHANGED 1/15/09

#### **W-106D Patchogue, NY**

**Boundaries.** Beginning at lat. 39°59'40"N., long. 73°00'28"W.; to lat. 40°04'43"N., long. 72°55'03"W.; to lat. 39°48'06"N., long. 72°29'58"W.; to lat. 39°34'00"N., long. 72°29'58"W.; to lat. 39°44'00"N., long. 72°43'58"W.; to the point of beginning.

**Altitudes.** Surface to but not including 6,000 feet MSL.

**Times of use.** Intermittent by NOTAM.

**Controlling agency.** Fleet Area Control and Surveillance Facility, Virginia Capes, Naval Air Station, Oceana, Virginia Beach, VA

**Using agency.** Commanding Officer, Fleet Area Control and Surveillance Facility, Virginia Capes, Naval Air Station, Oceana, Virginia Beach, VA.

TIMES OF USE CHANGED 1/15/09

#### **W-107A Atlantic City, NJ**

**Boundaries.** Beginning at lat. 38°58'00"N., long. 74°19'59"W.; to lat. 39°24'55"N., long. 73°45'47"W.; to lat. 39°44'00"N., long. 73°27'49"W.; to lat. 39°44'00"N., long. 72°53'01"W.; to lat. 39°05'48"N., long. 72°16'12"W.; to lat. 38°17'00"N., long. 72°50'02"W.; to lat. 38°33'00"N., long. 73°28'15"W.; to lat. 38°34'00"N., long. 73°30'58"W.; to the point of beginning.

**Altitudes.** Surface to unlimited.

**Times of use.** Intermittent by NOTAM.

**Controlling agency.** FAA, Washington ARTCC.

**Using agency.** Fleet Area Control and Surveillance Facility, Virginia Capes, Naval Air Station, Oceana, Virginia Beach, VA.

TIMES OF USE CHANGED 1/15/09

#### **W-107B Atlantic City, NJ**

**Boundaries.** Beginning at lat. 39°34'30"N., long. 73°56'00"W.; thence 12 NM from and parallel to the shoreline to lat. 40°00'00"N., long. 73°48'00"W.; to lat. 40°00'00"N., long. 73°36'58"W.; to lat. 39°52'00"N., long. 73°28'58"W.; to lat. 39°44'00"N., long. 73°40'58"W.; to the point of beginning.

**Altitudes.** Surface to but not including 2,000 feet MSL.

**Times of use.** Intermittent by NOTAM.

**Controlling agency.** FAA, New York ARTCC.

**Using agency.** Fleet Area Control and Surveillance Facility, Virginia Capes, Naval Air Station, Oceana, Virginia Beach, VA 23460.

CONTROLLING AGENCY CHANGED 2/11/10

#### **W-107C Atlantic City, NJ**

**Boundaries.** Beginning at lat. 39°03'30"N., long. 74°28'00"W.; thence 12 NM from and parallel to the shoreline to lat. 39°34'30"N., long. 73°56'00"W.; to lat. 39°44'00"N., long. 73°40'58"W.; to lat. 39°44'00"N., long. 73°27'49"W.; to lat. 39°24'55"N., long. 73°45'47"W.; to lat. 38°58'00"N., long. 74°19'59"W.; to the point of beginning.

**Altitudes.** Surface to but not including FL 180.

**Times of use.** Intermittent by NOTAM.

**Controlling agency.** FAA, Washington ARTCC

**Using agency.** Fleet Area Control and Surveillance Facility, Virginia Capes, Naval Air Station, Oceana, Virginia Beach, VA.

TIMES OF USE CHANGED 1/15/09

### **W-110 Elizabeth City, NC**

**Boundaries.** Beginning at lat. 35°43'25"N., long. 75°14'15"W.; to lat. 34°33'10"N., long. 73°40'50"W.; to lat. 34°29'17"N., long. 73°34'23"W.; to lat. 34°14'01"N., long. 73°56'58"W.; to lat. 35°21'30"N., long. 75°14'50"W.; than 12 NM from and parallel to the shoreline to the point of beginning.

**Altitudes.** Surface to FL 230 inclusive.

**Times of use.** Intermittent by NOTAM.

**Controlling agency.** U.S. Navy, FACSFAC VACAPES, Naval Air Station Oceana, Virginia Beach, VA.

**Using agency.** U.S. Navy, FACSFAC VACAPES

BOUNDARIES CHANGED 3/12/09

### **W-122 Cherry Point, NC**

**Boundaries.** Beginning at lat. 35°30'01"N., long. 75°24'59"W.; to lat. 34°14'01"N., long. 73°56'58"W.; to lat. 32°12'01"N., long. 76°48'59"W.; to lat. 32°20'01"N., long. 77°19'59"W.; to lat. 33°00'01"N., long. 77°28'59"W.; to lat. 33°10'01"N., long. 77°30'59"W.; to lat. 34°23'31"N., long. 77°29'59"W.; thence northeastward 3 NM from and parallel to the shoreline to the point of beginning.

**Altitudes.** Surface to unlimited; excluding that airspace FL 240 and above in the following area: Beginning at lat. 34°23'31"N., long. 77°29'59"W.; thence northeastward 3 NM from and parallel to the shoreline: to lat. 34°28'55"N., long. 77°18'56"W.; to lat. 33°32'41"N., long. 77°30'41"W.; to the point of beginning.

**Times of use.** Intermittent by NOTAM.

**Controlling agency.** FAA, Washington ARTCC.

**Using agency.** Fleet Area Control and Surveillance Facility, Virginia Capes, Naval Air Station Oceana, Virginia Beach, VA.

TIMES OF USE CHANGED 1/15/09

### **W-132A Charleston, SC**

**Boundaries.** Beginning at lat. 32°34'31"N., long. 79°21'59"W.; to lat. 32°20'01"N., long. 78°35'59"W.; to lat. 32°00'01"N., long. 78°42'29"W.; to lat. 32°00'01"N., long. 79°21'59"W.; to the point of beginning.

**Altitudes.** Surface to unlimited.

**Times of use.** Intermittent by NOTAM.

**Controlling agency.** FAA, Jacksonville ARTCC.

**Using agency.** Fleet Area Control and Surveillance Facility, Jacksonville, FL.

TIMES OF USE CHANGED 1/15/09

### **W-132B Charleston, SC**

**Boundaries.** Beginning at lat. 32°20'01"N., long. 78°35'59"W.; to lat. 32°12'31"N., long. 78°12'59"W.; to lat. 32°00'01"N., long. 78°14'29"W.; to lat. 32°00'01"N., long. 78°42'29"W.; to the point -of beginning.

**Altitudes.** Surface to and including FL 240.

**Times of use.** Intermittent by NOTAM.

**Controlling agency.** FAA, Jacksonville ARTCC.

**Using agency.** Fleet Area Control and Surveillance Facility, Jacksonville, FL.

TIMES OF USE CHANGED 1/15/09

### **W-133 Charleston, SC**

**Boundaries.** Beginning at lat. 32°42'11"N., long. 79°45'29"W.; to lat. 32°37'31"N., long. 79°33'24"W.; to lat. 32°34'31"N., long. 79°21'59"W.; to lat. 32°00'01"N., long. 79°21'59"W.; to lat. 32°00'01"N., long. 80°28'59"W.; to lat. 32°29'31"N., long. 80°10'34"W.; thence along a line parallel with and 3 miles from the shoreline to the point of beginning.

**Altitudes.** Surface to and including 4,500 feet MSL.

**Times of use.** Intermittent by NOTAM.

**Controlling agency.** FAA, Jacksonville ARTCC

**Using agency.** Fleet Area Control and Surveillance Facility, Jacksonville, FL

TIMES OF USE CHANGED 1/15/09

### **W-134 Beaufort, SC**

**Boundaries.** Beginning at lat. 32°42'11"N., long. 79°45'29"W.; to lat. 32°37'31"N., long. 79°33'24"W.; to lat. 32°34'31"N., long. 79°21'59"W.; to lat. 32°00'01"N., long. 79°21'59"W.; to lat. 32°00'01"N., long. 80°28'59"W.; to lat. 32°29'31"N., long. 80°10'34"W.; thence along a line parallel with and 3 miles from the shoreline to the point of beginning.

**Altitudes.** 4,500 feet MSL to unlimited.

**Times of use.** Intermittent by NOTAM.

**Controlling agency.** FAA, Jacksonville ARTCC

**Using agency.** Fleet Area Control and Surveillance Facility, Jacksonville, FL

**Remarks:** Contact Beaufort Approach Control prior to entry or departure of W-134.

TIMES OF USE CHANGED 1/15/09

**W-147A Gulf of Mexico, South of Houston, TX**

**Boundaries.** Beginning at lat. 28°57'00"N., long. 93°07'00"W.; to lat. 27°38'00"N., long. 91°55'00"W.; to lat. 27°48'00"N., long. 93°37'00"W.; to lat. 28°25'00"N., long. 94°02'00"W.; to the point of beginning.

**Altitude.** 5,000 feet MSL up to, but not including, FL 230.

**Times of use.** 0800-2200, daily.

**Controlling agency.** FAA Houston ARTCC.

**Using agency.** 147th Fighter Group, Ellington Field, Houston, TX.

TIMES OF USE CHANGED 1/15/09

**W-147B Gulf of Mexico, South of Houston, TX**

**Boundaries.** Beginning at lat. 28°57'00"N., long. 93°07'00"W.; to lat. 27°38'00"N., long. 91°55'00"W.; to lat. 27°48'00"N., long. 93°37'00"W.; to lat. 28°25'00"N., long. 94°02'00"W.; to the point of beginning.

**Altitude.** FL 230 to FL 500.

**Time of use.** By NOTAM.

**Controlling agency.** FAA Houston ARTCC.

**Using agency.** 147th Fighter Group, Ellington Field, Houston, TX.

ADDED 6/20/96

**W-147C Gulf of Mexico, South of Houston, TX**

**Boundaries.** Beginning at lat. 28°33'00"N., long. 95°32'00"W.; to lat. 27°47'35"N., long. 95°52'44"W.; to lat. 28°01'01"N., long. 96°25'01"W.; to lat. 28°17'00"N., long. 96°07'00"W.; to the point of beginning.

**Altitude.** Surface to FL 500.

**Times of use.** 0800-2200, daily.

**Controlling agency.** FAA Houston ARTCC.

**Using agency.** National Aeronautics and Space Administration (NASA), Aircraft Operations Division, Ellington Field, TX.

TIMES OF USE CHANGED 1/15/09

**W-147D Gulf of Mexico, South of Houston, TX**

**Boundaries.** Beginning at lat. 28°52'00"N., long. 94°53'00"W.; to lat. 28°03'00"N., long. 94°20'00"W.; to lat. 27°24'48"N., long. 94°32'59"W.; to lat. 26°57'39"N., long. 95°34'32"W.; to lat. 27°38'01"N., long. 95°30'01"W.; to lat. 27°47'35"N., long. 95°52'44"W.; to lat. 28°33'00"N., long. 95°32'00"W.; to the point of beginning.

**Altitude.** Surface to FL 500.

**Times of use.** 0800-2200, daily.

**Controlling agency.** FAA Houston ARTCC.

**Using agency.** 147th Fighter Group, Ellington Field, Houston, TX.

TIMES OF USE CHANGED 1/15/09

**W-147E Gulf of Mexico, South of Houston, TX**

**Boundaries.** Beginning at lat. 27°24'48"N., long.. 94°32'59"W.; to lat. 26°58'00"N., long.. 94°42'00"W.; to lat. 26°00'01"N., long.. 95°59'01"W.; to lat. 26°52'01"N., long.. 95°35'01"W.; to lat. 26°57'39"N., long.. 95°34'32"W.; to the point of beginning.

**Altitude.** FL 260 to FL 500.

**Times of use.** 0800-2200, daily.

**Controlling agency.** FAA Houston ARTCC.

**Using agency.** 147th Fighter Group, Ellington Field, Houston, TX.

TIMES OF USE CHANGED 1/15/09

**W-151A Valparaiso, FL**

**Boundaries.** Beginning at lat. 30°20'16"N.; long. 86°48'00"W.; thence east 3 NM from and parallel to the shoreline to lat. 30°12'11"N.; long. 86°00'00"W.; to lat. 29°11'01"N.; long. 86°00'00"W.; to lat. 29°23'01"N.; long. 86°48'00"W.; to the point of beginning.

**Altitudes.** Surface to unlimited.

**Times of use.** 0600-0130 daily; other times by NOTAM

**Controlling agency.** FAA, Jacksonville ARTCC

**Using agency.** U.S. Air Force, Commander, Air Armament Center, Eglin AFB, FL.

LOCATION NAME CHANGED 1/15/09

**W-151B Valparaiso, FL**

**Boundaries.** Beginning at lat. 30°12'11"N.; long. 86°00'00"W.; thence east 3 NM from and parallel to the shoreline to lat. 29°32'31"N.; long. 85°00'00"W.; to lat. 28°55'01"N.; long. 85°00'00"W.; to lat. 29°11'01"N.; long. 86°00'00"W.; to the point of beginning.

**Altitudes.** Surface to unlimited.

**Times of use.** 0600-0130 daily; other times by NOTAM.

**Controlling agency.** FAA, Jacksonville ARTCC

**Using agency.** U.S. Air Force, Commander, Air Armament Center, Eglin AFB, FL.

LOCATION NAME CHANGED 1/15/09

**W-151C Valparaiso, FL**

**Boundaries.** Beginning at lat. 29°23'01"N.; long. 86°48'00"W.; to lat. 29°11'01"N.; long. 86°00'00"W.; to lat. 28°30'41"N.; long. 86°00'00"W.; to lat. 28°41'01"N.; long. 86°48'00"W.; to the point of beginning.

**Altitudes.** Surface to unlimited.

**Times of use.** 0600-0130 daily; other times by NOTAM.

**Controlling agency.** FAA, Jacksonville ARTCC

**Using agency.** U.S. Air Force, Commander, Air Armament Center, Eglin AFB, FL.

LOCATION NAME CHANGED 1/15/09

**W-151D Valparaiso, FL**

**Boundaries.** Beginning at lat. 29°11'01"N.; long. 86°00'00"W.; to lat. 28°55'01"N.; long. 85°00'00"W.; to lat. 28°15'01"N.; long. 85°00'00"W.; to lat. 28°30'41"N.; long. 86°00'00"W.; to the point of beginning.

**Altitudes.** Surface to unlimited.

**Times of use.** 0600-0130 daily; other times by NOTAM.

**Controlling agency.** FAA, Jacksonville ARTCC

**Using agency.** U.S. Air Force, Commander, Air Armament Center, Eglin AFB, FL.

LOCATION NAME CHANGED 1/15/09

**W-151E Valparaiso, FL**

**Boundaries.** Beginning at lat. 28°41'01"N., long. 86°48'00"W.; to lat. 28°30'41"N., long. 86°00'00"W.; to lat. 28°16'10"N., long. 86°00'00"W.; to lat. 28°30'19"N., long. 86°48'00"W.; to the point of beginning.

**Altitudes.** Surface to unlimited.

**Times of use.** Intermittent by NOTAM.

**Controlling agency.** FAA, Jacksonville ARTCC

**Using agency.** U.S. Air Force, Commander, Air Armament Center, Eglin AFB, FL.

TIMES OF USE AND LOCATION NAME CHANGED 1/15/09

**W-151F Valparaiso, FL**

**Boundaries.** Beginning at lat. 28°30'41"N., long. 86°00'00"W.; to lat. 28°15'01"N., long. 85°00'00"W.; to lat. 28°02'23"N., long. 85°00'00"W.; to lat. 28°01'43"N., long. 85°12'13"W.; to lat. 28°16'10"N., long. 86°00'00"W.; to the point of beginning.

**Altitudes.** Surface to unlimited.

**Times of use.** Intermittent by NOTAM.

**Controlling agency.** FAA, Jacksonville ARTCC

**Using agency.** U.S. Air Force, Commander, Air Armament Center, Eglin AFB, FL.

TIMES OF USE CHANGED 1/15/09

**W-155A Pensacola, FL**

**Boundaries.** Beginning at the intersection of long. 88°01'30"W.; and a line 3 NM from and parallel to the shoreline, thence E along a line 3 NM from and parallel to the shoreline to lat.



30°11'21"N., long. 87°44'15"W.; to lat. 30°09'46"N., long. 87°45'45"W.; thence counterclockwise along a 30-mile arc centered on NAS Pensacola TACAN at lat. 30°21'29"N., long. 87°18'59"W.; to lat. 30°04'01"N., long. 87°41'20"W.; to lat. 30°02'51"N., long. 87°42'20"W.; thence counterclockwise along a 30-mile arc centered at lat. 30°20'20"N., long. 87°20'00"W.; to lat. 29°54'01"N., long. 87°15'17"W.; to lat. 30°18'21"N., long. 87°00'00"W.; thence E along a line 3 NM from and parallel to the shoreline to lat. 30°20'16"N., long. 86°48'00"W.; thence S along long. 86°48'00"W.; to lat. 29°25'21"N., long. 86°48'00"W.; to lat. 29°36'01"N., long. 88°01'30"W.; thence N along long. 88°01'30"W.; to the point of beginning.

**Altitudes.** Surface to FL 600.

**Times of use.** 0700-2300 Monday-Friday; other times by NOTAM

**Controlling agency.** FAA, Jacksonville ARTCC

**Using agency.** U.S. Navy, Fleet Area Control and Surveillance Facility, Pensacola Naval Air Station, Pensacola, FL.

TIMES OF USE CHANGED 3/15/07

#### **W-155B Pensacola, FL**

**Boundaries.** Beginning at lat. 29°36'01"N., long. 88°01'30"W.; to lat. 29°25'21"N., long. 86°48'00"W.; thence S along long. 86°48'00"W.; to lat. 28°41'01"N., long. 86°48'00"W.; to lat. 28°52'31"N., long. 87°44'00"W.; to lat. 29°00'01"N., long. 88°01'30"W.; to the point of beginning.

**Altitudes.** Surface to FL 600.

**Times of use.** 0700-2300 Monday-Friday; other times by NOTAM

**Controlling agency.** FAA, Jacksonville ARTCC

**Using agency.** U.S. Navy, Fleet Area Control and Surveillance Facility, Pensacola Naval Air Station, Pensacola, FL.

TIMES OF USE CHANGED 3/15/07

#### **W-155C Pensacola, FL**

**Boundaries.** Beginning at lat. 29°00'01"N., long. 88°01'30"W.; to lat. 28°52'23"N., long. 87°44'00"W.; to lat. 28°41'01"N., long. 86°48'00"W.; to lat. 28°30'19"N., long. 86°48'00"W.; to lat. 28°51'21"N., long. 88°01'30"W.; to the point of beginning.

**Altitudes.** Surface to FL 600.

**Times of use.** 0700-2300 Monday-Friday; other times by NOTAM

**Controlling agency.** FAA, Jacksonville ARTCC

**Using agency.** U.S. Navy, Fleet Area Control and Surveillance Facility, Pensacola Naval Air Station, Pensacola, FL.

TIMES OF USE CHANGED 3/15/07

**W-157A Fernandina, FL**

**Boundaries.** Beginning at lat. 32°00'01"N., long. 80°28'59"W.; to lat. 32°00'01"N., long. 78°42'29"W.; to lat. 30°39'01"N., long. 79°08'29"W.; to lat. 30°33'16"N., long. 80°57'59"W.; to lat. 30°43'46"N., long. 80°56'49"W.; to lat. 31°12'01"N., long. 80°58'59"W.; to lat. 31°37'01"N., long. 80°40'59"W.; to the point of beginning.

**Altitudes.** Surface to and including FL 430.

**Times of use.** Continuous.

**Controlling agency.** FAA, Jacksonville ARTCC

**Using agency.** Fleet Area Control and Surveillance Facility, Jacksonville Naval Air Station, Jacksonville, FL.

TIMES OF USE CHANGED 12/15/88

**W-157B Fernandina, FL**

**Boundaries.** Beginning at lat. 32°00'01"N., long. 78°42'29"W.; to lat. 32°00'01"N., long. 78°14'29"W.; to lat. 30°41'01"N., long. 78°28'29"W.; to lat. 30°39'01"N., long. 79°08'29"W.; to the point of beginning.

**Altitudes.** Surface to and including FL 240.

**Times of use.** Continuous.

**Controlling agency.** FAA, Jacksonville ARTCC

**Using agency.** Fleet Area Control and Surveillance Facility, Jacksonville Naval Air Station, Jacksonville, FL.

TIMES OF USE CHANGED 12/15/88

**W-157C Fernandina, FL**

**Boundaries.** Beginning at lat. 32°00'01"N., long. 78°14'29"W.; to lat. 32°00'01"N., long. 76°59'59"W.; to lat. 30°00'01"N., long. 76°59'59"W.; to lat. 30°00'01"N., long. 77°12'59"W.; to lat. 29°30'01"N., long. 78°17'59"W.; to lat. 29°20'01"N., long. 78°20'09"W.; to lat. 29°14'23"N., long. 78°43'36"W.; to the point of beginning.

**Altitudes.** Surface to and including 5,000 feet MSL.

**Times of use.** Continuous.

**Controlling agency.** FAA, Jacksonville ARTCC

**Using agency.** Fleet Area Control and Surveillance Facility, Jacksonville Naval Air Station, Jacksonville, FL.

TIMES OF USE CHANGED 12/15/88

**W-158A Mayport, FL**

**Boundaries.** Beginning at lat. 30°17'26"N., long. 80°59'59"W.; to lat. 30°12'01"N., long. 79°16'59"W.; to lat. 28°56'57"N., long. 79°42'40"W.; to lat. 28°50'01"N., long. 80°06'14"W.; to lat. 28°50'01"N., long. 80°28'59"W.; to lat. 28°53'00"N., long. 80°31'25"W.; thence northwest

along a line 12 NM from and parallel to the shoreline; to lat. 29°51'00"N., long. 81°01'45"W.; to lat. 30°03'20"N., long. 81°01'45"W.; to the point of beginning.

**Altitudes.** Surface to FL 430, excluding that airspace at and above 14,000 feet MSL bounded by a line drawn from lat. 29°12'23"N., long. 79°37'26"W.; to lat. 28°56'57"N., long. 79°42'40"W.; to lat. 28°50'01"N., long. 80°06'14"W.; to lat. 28°50'01"N., long. 80°28'59"W.; to lat. 28°53'00"N., long. 80°31'25"W.; to lat. 28°54'01"N., long. 80°26'59"W.; to the point of beginning.

**Times of use.** Continuous.

**Controlling agency.** FAA, Jacksonville ARTCC

**Using agency.** Fleet Area Control and Surveillance Facility, Jacksonville Naval Air Station, Jacksonville, FL.

BOUNDARIES AND ALTITUDES CHANGED 8/15/96

### **W-158B Mayport, FL**

**Boundaries.** Beginning at lat. 30°12'01"N., long. 79°16'59"W.; to lat. 30°10'01"N., long. 78°33'54"W.; to lat. 29°14'01"N., long. 78°43'29"W.; to lat. 28°56'57"N., long. 79°42'40"W.; to the point of beginning.

**Altitudes.** Surface to and including FL 240, excluding that airspace at and above 14,000 feet MSL bounded by a line drawn from: lat. 29°12'23"N., long. 79°37'26"W.; to lat. 28°56'57"N., long. 79°42'40"W.; to lat. 29°08'01"N., long. 79°04'59"W.; to lat. 29°22'16"N., long. 79°10'19"W.; to the point of beginning.

**Times of use.** Continuous.

**Controlling agency.** FAA, Jacksonville ARTCC

**Using agency.** Fleet Area Control and Surveillance Facility, Jacksonville Naval Air Station, Jacksonville, FL.

TIMES OF USE CHANGED 12/15/88

### **W-158C Mayport, FL**

**Boundaries.** Beginning at lat. 32°00'01"N., long. 80°28'59"W.; to lat. 32°00'01"N., long. 78°14'29"W.; to lat. 29°14'01"N., long. 78°43'29"W.; to lat. 28°50'01"N., long. 80°06'14"W.; to lat. 28°50'01"N., long. 80°28'59"W.; to lat. 28°53'00"N., long. 80°31'25"W.; thence northwest along a line 12 NM from and parallel to the shoreline; to lat. 29°51'00"N., long. 81°01'45"W.; to lat. 30°03'20"N., long. 81°01'45"W.; to lat. 30°17'26"N., long. 80°59'59"W.; to lat. 30°33'16"N., long. 80°57'59"W.; to lat. 30°43'46"N., long. 80°56'49"W.; to lat. 31°12'01"N., long. 80°58'59"W.; to lat. 31°37'01"N., long. 80°40'59"W.; to the point of beginning.

**Altitudes.** From FL 430 to unlimited.

**Times of use.** Intermittent by NOTAM.

**Controlling agency.** FAA, Jacksonville ARTCC

**Using agency.** Fleet Area Control and Surveillance Facility, Jacksonville Naval Air Station, Jacksonville, FL.

TIMES OF USE CHANGED 1/15/09

**W-158E Mayport, FL**

**Boundaries.** Beginning at lat. 30°36'01"N., long. 81°21'59"W.; to lat. 30°36'01"N., long. 80°57'39"W.; to lat. 30°17'26"N., long. 80°59'59"W.; to lat. 30°03'21"N., long. 81°01'44"W.; to lat. 30°00'01"N., long. 81°01'44"W.; to lat. 30°00'01"N., long. 81°13'59"W.; to lat. 30°19'23"N., long. 81°18'07"W.; thence counterclockwise via an 8.5-statute-mile radius arc of NAS, Mayport (lat. 30°23'26"N., long. 81°25'14"W.) to lat. 30°29'46"N., long. 81°20'57"W.; to the point of beginning.

**Altitudes.** Surface to 1,200 feet MSL.

**Times of use.** Intermittent by NOTAM.

**Controlling agency.** FAA, Jacksonville TRACT

**Using agency.** Fleet Area Control and Surveillance Facility, Jacksonville Naval Air Station, Jacksonville, FL.

TIMES OF USE CHANGED 1/15/09

**W-158F Mayport, FL**

**Boundaries.** Beginning at lat. 30°36'01"N., long. 81°10'44"W.; to lat. 30°36'01"N., long. 80°57'39"W.; to lat. 30°17'26"N., long. 80°59'59"W.; to lat. 30°17'31"N., long. 81°10'59"W.; thence counterclockwise via a 25-statute-mile radius centered on lat. 30°27'01"N., long. 81°33'51"W., thence to the point of beginning.

**Altitudes.** 1,200 feet MSL to 1,700 feet MSL.

**Times of use.** Intermittent by NOTAM.

**Controlling agency.** FAA, Jacksonville TRACT

**Using agency.** Fleet Area Control and Surveillance Facility, Jacksonville Naval Air Station, Jacksonville, FL.

TIMES OF USE CHANGED 1/15/09

**W-159A Jacksonville, FL**

**Boundaries.** Beginning at lat. 30°33'16"N., long. 80°57'59"W.; to lat. 30°39'01"N., long. 79°08'29"W.; to lat. 30°12'01"N., long. 79°16'59"W.; to lat. 30°17'26"N., long. 80°59'59"W.; to the point of beginning.

**Altitudes.** Surface to and including FL 430.

**Times of use.** Continuous.

**Controlling agency.** FAA, Jacksonville ARTCC

**Using agency.** Fleet Area Control and Surveillance Facility, Jacksonville Naval Air Station, Jacksonville, FL.

ALTITUDES AND TIMES OF USE CHANGED 12/15/88

**W-159B Jacksonville, FL**

**Boundaries.** Beginning at lat. 30°39'01"N., long. 79°08'29"W.; to lat. 30°41'01"N., long. 78°28'29"W.; to lat. 30°10'01"N., long. 78°33'54"W.; to lat. 30°12'01"N., long. 79°16'59"W.; to the point of beginning.

**Altitudes.** Surface to and including FL 240.

**Times of use.** Continuous.

**Controlling agency.** FAA, Jacksonville ARTCC

**Using agency.** Fleet Area Control and Surveillance Facility, Jacksonville Naval Air Station, Jacksonville, FL.

TIMES OF USE CHANGED 12/15/88

### **W-161A Myrtle Beach, SC**

**Boundaries.** Beginning at lat. 33°00'01"N., long. 79°16'59"W.; to lat. 32°47'16"N., long. 78°27'39"W.; to lat. 32°20'01"N., long. 78°35'59"W.; to lat. 32°34'31"N., long. 79°21'59"W.; to lat. 32°37'31"N., long. 79°33'24"W.; to the point of beginning.

**Altitudes.** Surface to and including FL 620.

**Times of use.** Sunrise-0100, daily.

**Controlling agency.** FAA, Jacksonville ARTCC

**Using agency.** Commander, Ninth Air Force, Shaw AFB, SC.

TIMES OF USE CHANGED 1/15/09

### **W-161B Myrtle Beach, SC**

**Boundaries.** Beginning at lat. 32°47'16"N., long. 78°27'39"W.; to lat. 32°42'01"N., long. 78°06'59"W.; to lat. 32°12'31"N., long. 78°12'59"W.; to lat. 32°20'01"N., long. 78°35'59"W.; to the point of beginning.

**Altitudes.** Surface to FL 300.

**Times of use.** Sunrise-0100, daily.

**Controlling agency.** FAA, Jacksonville ARTCC

**Using agency.** U.S. Air Force, Commander, 20<sup>th</sup> Fighter Wing, Shaw AFB, SC.

TIMES OF USE CHANGED 1/15/09

### **W-168 Tampa, FL**

**Boundaries.** Beginning at lat. 26°12'00"N., long. 85°05'30"W.; to lat. 27°17'44"N., long. 84°40'45"W.; to lat. 27°00'31"N., long. 82°55'10"W.; to lat. 26°36'42"N., long. 82°29'40"W.; to lat. 26°10'01"N., long. 82°16'59"W.; to lat. 26°10'01"N., long. 83°10'29"W.; to the point of beginning.

**Altitudes.** Surface to unlimited.

**Times of use.** Intermittent by NOTAM.

**Controlling agency.** FAA, Miami ARTCC.

**Using agency.** U.S. Air Force, Commander, Air Armament Center, Eglin AFB, FL.

TIMES OF USE CHANGED 1/15/09

**W-174A Key West, FL**

**Boundaries.** Beginning at lat. 25°37'01"N., long. 84°25'00"W.; to lat. 25°40'01"N., long. 84°17'00"W.; to lat. 25°44'01"N., long. 82°29'59"W.; to lat. 25°14'23"N., long. 82°29'59"W.; to lat. 25°10'01"N., long. 84°51'39"W.; to the point of beginning.

**Altitudes.** Surface to FL 700 MSL.

**Times of use.** Intermittent, 0700-2300 daily.

**Controlling agency.** FAA, Miami ARTCC

**Using agency.** Commanding Officer, Naval Air Station, Key West, FL.

**W-174B Key West, FL**

**Boundaries.** Beginning at lat. 25°10'01"N., long. 84°51'39"W.; to lat. 25°15'01"N., long. 81°59'59"W.; to lat. 24°43'02"N., long. 81°59'59"W.; to lat. 24°27'32"N., long. 82°36'59"W.; to lat. 24°14'37"N., long. 82°29'44"W.; to lat. 24°00'02"N., long. 83°02'59"W.; to lat. 24°00'01"N., long. 84°59'59"W.; to lat. 25°02'01"N., long. 84°59'59"W.; to the point of beginning. Excluding that airspace within an area bounded by a line 12 NM from and parallel to the shoreline of the Dry Tortugas Islands, and excluding the airspace within the Tortugas MOA.

**Altitudes.** Surface to FL 700; excluding that airspace from 5,500 feet MSL to FL 700, within 5 statute miles on each side of the Fish Hook RBN 245° bearing, including the additional airspace between lines diverging 5° at the RBN, extending to lat. 24°00'00"N., long. 83°24'00"W.

**Times of use.** Intermittent, 0700-2300 daily; other times by NOTAM.

**Controlling agency.** FAA, Miami ARTCC.

**Using agency.** Commanding Officer, Naval Air Station, Key West, FL.

ALTITUDES CHANGED 6/18/98

**W-174C Key West, FL**

**Boundaries.** Beginning at lat. 24°14'37"N., long. 82°29'44"W.; to lat. 24°03'00"N., long. 82°23'00"W.; to lat. 24°15'10"N., long. 81°55'25"W.; thence counterclockwise along a line 12 NM from and parallel to the shoreline; to lat. 24°25'00"N., long. 81°28'10"W.; to lat. 24°25'00"N., long. 81°15'00"W.; to lat. 24°00'00"N., long. 81°19'00"W.; to lat. 24°00'02"N., long. 83°02'59"W.; to the point of beginning.

**Altitudes.** Surface to FL 700; excluding that airspace from 5,500 feet MSL to FL 700, within 5 statute miles southeast of the Fish Hook RBN 231° bearing clockwise to the Fish Hook 245° bearing, including the airspace between lines diverging 5° at the RBN, extending to the Miami FIR boundary.

**Times of use.** Intermittent, 0700-2300 daily; other times by NOTAM.

**Controlling agency.** FAA, Miami ARTCC.

**Using agency.** Commanding Officer, Naval Air Station, Key West, FL.

ALTITUDES CHANGED 6/18/98

**W-174D Key West, FL**

**Boundaries.** Beginning at lat. 24°00'02"N., long. 81°18'29"W.; to lat. 23°30'02"N., long. 81°23'29"W.; to lat. 23°30'02"N., long. 82°45'59"W.; to lat. 24°00'02"N., long. 83°19'59"W.; to the point of beginning.

**Altitudes.** Surface to FL 700; excluding that airspace from 5,500 feet MSL to FL 700, within 5 statute miles southeast of the Fish Hook RBN 231° bearing, clockwise to the Fish Hook RBN 245° bearing including the airspace between lines diverging 5° at the RBN, southeast of the Fish Hook RBN 231° bearing and northwest of the Fish Hook 245° bearing extending from the Miami FIR boundary southwest to the warning area boundary.

**Times of use.** Intermittent, 0700-2300 daily; other times by NOTAM.

**Controlling agency.** FAA, Miami ARTCC.

**Using agency.** Commanding Officer, Naval Air Station, Key West, FL.

ALTITUDES CHANGED 6/18/98

**W-174E Key West, FL**

**Boundaries.** Beginning at lat. 24°40'32"N., long. 82°05'59"W.; to lat. 24°27'32"N., long. 82°36'59"W.; to lat. 24°18'30"N., long. 82°31'54"W.; to lat. 24°30'02"N., long. 82°05'59"W.; to the point of beginning.

**Altitudes.** Surface to 10,000 feet MSL.

**Times of use.** Intermittent, 0700-2300 daily; other times by NOTAM.

**Controlling agency.** FAA, Miami ARTCC

**Using agency.** Commanding officer, Naval Air Station, Key West, FL

**W-174F Key West, FL**

**Boundaries.** Beginning at lat. 25°44'01"N., long. 82°29'59"W.; to lat. 25°45'01"N., long. 81°59'59"W.; to lat. 25°15'01"N., long. 81°59'59"W.; to lat. 25°14'23"N., long. 82°29'59"W.; to the point of beginning.

**Altitudes.** Surface to FL 700 MSL.

**Times of use.** Intermittent, 0700-2300 daily.

**Controlling agency.** FAA, Miami ARTCC

**Using agency.** Commanding Officer, Naval Air Station, Key West, FL

**W-174G Key West, FL**

**Boundaries.** Beginning at lat. 25°45'01"N., long. 81°59'59"W.; to lat. 25°45'01"N., long. 81°53'00"W.; thence counterclockwise along a line 12 NM from and parallel to the shoreline; to lat. 25°37'00"N., long. 81°40'10"W.; to lat. 25°36'01"N., long. 81°39'59"W.; to lat. 25°15'01"N., long. 81°43'49"W.; to lat. 25°15'01"N., long. 81°59'59"W.; to the point of beginning.

**Altitudes.** Surface to FL 700 MSL.

**Times of use.** Intermittent, 0700-2300 daily; other times by NOTAM.

**Controlling agency.** FAA, Miami ARTCC

**Using agency.** Commanding Officer, Naval Air Station, Key West, FL

BOUNDARIES AND TIMES OF USE CHANGED 8/15/96

### **W-177A Myrtle Beach, SC**

**Boundaries.** Beginning at lat. 33°50'31"N., long. 78°23'44"W.; to lat. 33°50'31"N., long. 78°08'59"W.; to lat. 32°47'16"N., long. 78°27'39"W.; to lat. 33°00'01"N., long. 79°16'59"W.; to lat. 33°11'01"N., long. 79°05'29"W.; to lat. 33°17'01"N., long. 79°04'14"W.; to lat. 33°19'41"N., long. 79°02'09"W.; to lat. 33°27'41"N., long. 78°55'19"W.; to lat. 33°40'11"N., long. 78°40'14"W.; to the point of beginning; excluding that airspace at and below 6,000 feet MSL within 19 NM of Conway TACAN (lat. 33°40'56"N., long. 78°55'55"W.)

**Altitudes.** Surface to and including FL 500.

**Times of use.** Sunrise-0100, daily.

**Controlling agency.** FAA, Jacksonville ARTCC

**Using agency.** Commander, 9th Air Field, Shaw AFB, SC

TIMES OF USE CHANGED 1/15/09

### **W-177B Myrtle Beach, SC**

**Boundaries.** Beginning at lat. 33°50'31"N., long. 78°08'59"W.; to lat. 33°50'31"N., long. 78°05'59"W.; to lat. 32°55'01"N., long. 78°03'59"W.; to lat. 32°42'01"N., long. 78°06'59"W.; to lat. 32°47'16"N., long. 78°27'39"W.; to the point of beginning.

**Altitudes.** Surface to FL 300.

**Times of use.** Sunrise-0100, daily.

**Controlling agency.** FAA, Jacksonville ARTCC

**Using agency.** U.S. Air Force, Commander, 20<sup>th</sup> Fighter Wing, Shaw AFB, SC.

TIMES OF USE CHANGED 1/15/09

### **W-186 Hawaii, HI**

**Boundaries.** Beginning at lat. 21°54'49"N., long. 159°43'50"W.; to lat. 21°33'18"N., long. 159°32'50"W.; thence clockwise along the arc of a circle radius of 32 NM centered at lat. 22°02'15"N., long. 159°47'05"W.; (Barking Sands TACAN) to lat. 21°59'46"N., long. 160°21'35"W.; to lat. 21°58'19"N., long. 159°48'45"W.; thence counterclockwise 3 NM from and parallel to the shoreline of the Island of Kauai to the point of beginning, excluding the airspace within 3 NM of the Islands of Niihau and Lehua.

**Altitudes.** Surface to 9,000 feet MSL.

**Times of use.** Continuous.

**Controlling agency.** FAA, Honolulu Control Facility.

**Using agency.** Commander, Pacific Missile Range Facility, HI

CONTROLLING AGENCY CHANGED 12/22/05



**W-187 Hawaii, HI**

**Boundaries.** A circular area within a radius of 5 NM centered at lat. 21°39'30"N., long. 160°32'30"W.; excluding the airspace within 3 NM of the Island of Kaula.

**Altitudes.** Surface to 18,000 feet MSL.

**Times of use.** 0700-2200 local time Monday-Friday; 0800-1600 local time Saturday-Sunday; other times by NOTAM.

**Controlling agency.** FAA, Honolulu Control Facility.

**Using agency.** U.S. Navy, Fleet Area Control and Surveillance Facility, Pearl Harbor, HI (FACSFACPH)

CONTROLLING AGENCY CHANGED 12/22/05

**W-188 Hawaii, HI**

**Boundaries.** Beginning at lat. 21°58'19"N., long. 159°48'45"W.; to lat. 21°58'27"N., long. 159°59'50"W.; to lat. 21°59'46"N., long. 160°21'35"W.; (excluding the airspace over and within 3 NM of the Islands of Lehua and Niihau) to lat. 22°05'00"N., long. 161°34'00"W.; thence clockwise along the arc of a circle radius of 100 NM centered at lat. 22°02'15"N., long. 159°47'05"W.; (Barking Sands TACAN) to lat. 22°45'00"N., long. 161°25'00"W.; to lat. 22°56'00"N., long. 161°49'30"W.; thence clockwise along the arc of a circle radius of 125 NM centered at lat. 22°02'15"N., long. 159°47'05"W.; (Barking Sands TACAN) to lat. 23°57'45"N., long. 160°41'00"W.; to lat. 25°41'00"N., long. 161°36'00"W.; thence clockwise along the arc of a circle radius of 240 NM centered at lat. 22°02'15"N., long. 159°47'05"W.; (Barking Sands TACAN) to lat. 25°47'00"N., long. 158°15'00"W.; to lat. 23°54'00"N., long. 158°15'00"W.; to lat. 22°20'16"N., long. 159°08'50"W.; thence counterclockwise along the arc of a circle radius of 25 NM centered at lat. 21°57'55"N., long. 159°20'17"W.; (Lihue VORTAC) to lat. 22°12'48"N., long. 159°41'50"W.; thence counterclockwise 3 NM from and parallel to the shoreline of the Island of Kauai to the point of beginning.

**Altitudes.** Surface to unlimited.

**Times of use.** Continuous.

**Controlling agency.** FAA, FAA, Honolulu Control Facility.

**Using agency.** Commander, Pacific Missile Range Facility, HI.

CONTROLLING AGENCY CHANGED 12/22/05

**W-189 Hawaii, HI**

**Boundaries.** Beginning at lat. 23°53'30"N., long. 158°15'00"W.; thence clockwise along the arc of a circle radius of 130 NM centered at lat. 21°57'55"N., long. 159°20'17"W.; (Lihue VORTAC) to lat. 23°19'00"N., long. 157°30'00"W.; to lat. 21°58'46"N., long. 157°29'50"W.; thence counterclockwise along the arc of a circle radius of 35 NM centered at lat. 21°27'01"N., long. 157°45'50"W.; (Kaneohe Bay TACAN) to lat. 22°00'47"N., long. 157°55'50"W.; to lat. 21°44'48"N., long. 157°52'50"W.; to lat. 21°46'48"N., long. 157°59'50"W.; to lat. 21°43'48"N., long. 158°03'50"W.; to lat. 21°37'49"N., long. 158°08'50"W.; thence counterclockwise 3 NM from and parallel to the shoreline of Oahu to lat. 21°35'48"N., long. 158°19'50"W.; to lat. 21°58'47"N., long. 158°53'20"W.; thence counterclockwise along the arc of a circle radius of 25

NM centered at lat. 21°57'55"N., long. 159°20'17"W.; (Lihue VORTAC) to lat. 22°20'46"N., long. 159°08'50"W.; to the point of beginning.

**Altitudes.** Surface to unlimited.

**Times of use.** 0700-2200 local time Monday-Friday; 0800-1600 local time Saturday-Sunday; other times by NOTAM.

**Controlling agency.** FAA, Honolulu Control Facility.

**Using agency.** U.S. Navy, Fleet Area Control and Surveillance Facility, Pearl Harbor, HI (FACSFACPH)

CONTROLLING AGENCY CHANGED 12/22/05

### **W-190 Hawaii, HI**

**Boundaries.** Beginning at lat. 22°59'42"N., long. 157°29'50"W.; to lat. 22°59'42"N., long. 157°08'50"W.; to lat. 22°35'44"N., long. 156°59'50"W.; to lat. 22°10'45"N., long. 156°59'50"W.; to lat. 21°49'35"N., long. 157°17'05"W.; thence counterclockwise along the arc of a circle radius of 35 NM centered at lat. 21°27'01"N., long. 157°45'50"W.; (Kaneohe Bay TACAN) to lat. 21°58'46"N., long. 157°29'50"W.; to the point of beginning.

**Altitudes.** Surface to unlimited.

**Times of use.** 0700-2200 local time Monday-Friday; 0800-1600 local time Saturday-Sunday; other times by NOTAM.

**Controlling agency.** FAA, Honolulu Control Facility.

**Using agency.** U.S. Navy, Fleet Area Control and Surveillance Facility, Pearl Harbor, HI (FACSFACPH)

CONTROLLING AGENCY CHANGED 12/22/05

### **W-191 Hawaii, HI**

**Boundaries.** Beginning at lat. 20°54'09"N., long. 158°10'47"W.; thence counterclockwise along the arc of a circle of 28 nautical miles in radius centered at lat. 21°18'30"N., long. 157°55'49"W.; to lat. 20°52'16"N., long. 157°45'06"W.; to lat. 20°42'53"N., long. 157°41'18"W.; thence clockwise along the arc of a circle of 38 nautical miles in radius centered at lat. 21°18'30"N., long. 157°55'49"W.; to lat. 20°45'27"N., long. 158°16'06"W.; thence to the point of beginning.

**Altitudes.** Surface to 3,000 feet MSL.

**Times of use.** 0700-2200 local time Monday-Friday; 0800-1600 local time Saturday-Sunday; other times by NOTAM.

**Controlling agency.** FAA, Honolulu Control Facility.

**Using agency.** U.S. Navy, Fleet Area Control and Surveillance Facility, Pearl Harbor, HI (FACSFACPH)

CONTROLLING AGENCY CHANGED 12/22/05

### **W-192 Hawaii, HI**

**Boundaries.** Beginning at lat. 20°45'27"N., long. 158°16'06"W.; thence counterclockwise along the arc of a circle of 38 nautical miles in radius centered at lat. 21°18'30"N., long. 157°55'49"W.;

to lat. 20°41'04"N., long. 158°03'33"W.; to lat. 18°50'42"N., long. 158°26'00"W.; thence clockwise along the arc of a circle of 150 nautical miles in radius centered at lat. 21°18'30"N., long. 157°55'49"W.; to lat. 19°07'50"N., long. 159°15'01"W.; to the point of beginning.

**Altitudes.** Surface to unlimited.

**Times of use.** 0700-2200 local time Monday-Friday; 0800-1600 local time Saturday-Sunday; other times by NOTAM.

**Controlling agency.** FAA, Honolulu Control Facility.

**Using agency.** U.S. Navy, Fleet Area Control and Surveillance Facility, Pearl Harbor, HI (FACSFACPH)

CONTROLLING AGENCY CHANGED 12/22/05

### **W-193 Hawaii, HI**

**Boundaries.** Beginning at lat. 20°41'04"N., long. 158°03'33"W.; thence counterclockwise along the arc of a circle of 38 nautical miles in radius centered at lat. 21°18'30"N., long. 157°55'49"W.; to lat. 20°41'30"N., long. 157°46'01"W.; to lat. 18°52'23"N., long. 157°17'34"W.; thence clockwise along the arc of a circle of 150 nautical miles in radius centered at lat. 21°18'30"N., long. 157°55'49"W.; to lat. 18°50'42"N., long. 158°26'00"W. to the point of beginning.

**Altitudes.** Surface to unlimited.

**Times of use.** 0700-2200 local time Monday-Friday; 0800-1600 local time Saturday-Sunday; other times by NOTAM.

**Controlling agency.** FAA, Honolulu Control Facility.

**Using agency.** U.S. Navy, Fleet Area Control and Surveillance Facility, Pearl Harbor, HI (FACSFACPH)

CONTROLLING AGENCY CHANGED 12/22/05

### **W-194 Hawaii, HI**

**Boundaries.** Beginning at lat. 20°41'30"N., long. 157°46'01"W.; thence counterclockwise along the arc of a circle 38 nautical miles in radius centered at lat. 21°18'30"N., long. 157°55'49"W.; to lat. 20°42'53"N., long. 157°41'18"W.; to lat. 20°42'05"N., long. 157°25'37"W.; to lat. 20°28'14"N., long. 157°14'13"W.; to lat. 20°03'35"N., long. 156°54'02"W.; to lat. 19°41'14"N., long. 156°35'50"W.; to lat. 19°08'15"N., long. 156°35'50"W.; thence clockwise along the arc of a circle of 150 nautical miles in radius centered at lat. 21°18'30"N., long. 157°55'49"W.; to lat. 18°52'23"N., long. 157°17'34"W.; to the point of beginning.

**Altitudes.** Surface to unlimited.

**Times of use.** 0700-2200 local time Monday-Friday; 0800-1600 local time Saturday-Sunday; other times by NOTAM.

**Controlling agency.** FAA, Honolulu Control Facility.

**Using agency.** U.S. Navy, Fleet Area Control and Surveillance Facility, Pearl Harbor, HI (FACSFACPH)

CONTROLLING AGENCY CHANGED 12/22/05

**W-196 Hawaii, HI**

**Boundaries.** Beginning at lat. 20°57'35"N., long. 158°06'13"W.; thence counterclockwise along the arc of a circle 23 nautical miles in radius centered at lat. 21°18'30"N., long. 157°55'49"W.; to lat. 20°56'19"N., long. 157°49'03"W.; to lat. 20°51'29"N., long. 157°47'35"W.; thence clockwise along the arc of a circle of 28 nautical miles in radius centered at lat. 21°18'30"N., long. 157°55'49"W.; to lat. 20°53'02"N., long. 158°08'28"W.; to the point of beginning.

**Altitudes.** Surface to 2,000 feet MSL.

**Times of use.** 0700-2200 local time Monday-Friday; 0800-1600 local time Saturday-Sunday; other times by NOTAM.

**Controlling agency.** FAA, Honolulu Control Facility.

**Using agency.** U.S. Navy, Fleet Area Control and Surveillance Facility, Pearl Harbor, HI (FACSFACPH)

CONTROLLING AGENCY CHANGED 12/22/05

**W-228A Corpus Christi, TX**

**Boundaries.** Beginning at lat. 28°03'05"N., long. 96°31'40"W.; to lat. 28°01'00"N., long. 96°25'01"W.; to lat. 27°58'35"N., long. 96°19'07"W.; thence clockwise along the 60 NM arc of Corpus Christi VORTAC; to lat. 26°56'10"N., long. 97°09'01"W.; thence along a line 12 NM from and parallel to the shoreline; to lat. 27°20'45"N., long. 97°05'20"W.; to lat. 27°15'00"N., long. 96°56'00"W.; to lat. 27°28'00"N., long. 96°46'00"W.; to lat. 27°46'07"N., long. 96°49'50"W.; thence northeast along a line 12 NM from and parallel to the shoreline; to the point of beginning.

**Altitudes.** Surface to FL 450.

**Times of use.** Continuous.

**Controlling agency.** FAA, Houston ARTCC, TX

**Using Agency.** U.S. Navy, Commander, Training Air Wing FOUR, Corpus Christi Naval Air Station, Corpus Christi, TX.

USING AGENCY CHANGED 5/7/2009

**W-228B Corpus Christi, TX**

**Boundaries.** Beginning at lat. 27°58'35"N., long. 96°19'07"W.; to lat. 27°38'01"N., long. 95°30'01"W.; to lat. 27°15'01"N., long. 95°33'01"W.; to lat. 27°32'15"N., long. 96°23'45"W.; thence counterclockwise along the 60 NM arc of Corpus Christi VORTAC; to the point of beginning.

**Altitudes.** Surface to FL 450.

**Times of use.** Continuous.

**Controlling agency.** FAA, Houston ARTCC, TX

**Using Agency.** U.S. Navy, Commander, Training Air Wing FOUR, Corpus Christi Naval Air Station, Corpus Christi, TX.

USING AGENCY CHANGED 5/7/2009

**W-228C Corpus Christi, TX**

**Boundaries.** Beginning at lat. 27°21'29"N., long. 96°30'01"W.; thence counterclockwise along the 60 NM arc of Corpus Christi VORTAC; to lat. 27°32'15"N., long. 96°23'45"W.; to lat. 27°15'01"N., long. 95°33'01"W.; to lat. 26°52'01"N., long. 95°35'01"W.; to lat. 26°00'01"N., long. 95°59'01"W.; to lat. 26°00'01"N., long. 96°30'01"W.; to the point of beginning.

**Altitudes.** Surface to FL 450.

**Times of use.** Continuous.

**Controlling agency.** FAA, Houston ARTCC, TX

**Using Agency.** U.S. Navy, Commander, Training Air Wing FOUR, Corpus Christi Naval Air Station, Corpus Christi, TX.

USING AGENCY CHANGED 5/7/2009

**W-228D Corpus Christi, TX**

**Boundaries.** Beginning at lat. 26°56'10"N., long. 97°09'01"W.; thence counterclockwise along the 60 NM arc of the Corpus Christi VORTAC; to lat. 27°21'29"N., long. 96°30'01"W.; to lat. 26°00'01"N., long. 96°30'01"W.; to lat. 26°00'01"N., long. 96°55'40"W.; thence along a line 12 NM from and parallel to the shoreline; to the point of beginning.

**Altitudes.** Surface to FL 450.

**Times of use.** Continuous.

**Controlling agency.** FAA, Houston ARTCC, TX

**Using Agency.** U.S. Navy, Commander, Training Air Wing FOUR, Corpus Christi Naval Air Station, Corpus Christi, TX.

USING AGENCY CHANGED 5/7/2009

**W-237A High Washington Coastal, WA**

**Boundaries.** Beginning at lat. 47°31'59"N., long. 125°41'05"W.; to lat. 47°41'29"N., long. 124°33'05"W.; thence southbound 3 miles parallel to the shoreline ending at lat. 47°05'59"N., long. 124°14'53"W.; to lat. 47°00'29"N., long. 124°30'05"W.; to lat. 46°49'59"N., long. 125°24'05"W.; to the point of beginning.

**Altitudes.** FL 230 to but not including FL 500.

**Times of use.** Intermittent by NOTAM.

**Controlling agency.** FAA, Seattle ARTCC.

**Using agency.** USN, Naval Air Station, Whidbey Island, WA.

USING AGENCY CHANGED 7/12/01

**W-237A Low Washington Coastal, WA**

**Boundaries.** Beginning at lat. 47°31'59"N., long. 125°41'05"W.; to lat. 47°41'29"N., long. 124°33'05"W.; thence southbound 3 miles parallel to the shoreline ending at lat. 47°05'59"N.,

long. 124°14'53"W.; to lat. 47°00'29"N., long. 124°30'05"W.; to lat. 46°49'59"N., long. 125°24'05"W.; to the point of beginning.

**Altitudes.** Surface to but not including FL 230.

**Times of use.** Intermittent by NOTAM.

**Controlling agency.** FAA, Seattle ARTCC.

**Using agency.** USN, Naval Air Station, Whidbey Island, WA.

USING AGENCY CHANGED 7/12/01

#### **W-237B High Washington Coastal, WA**

**Boundaries.** Beginning at lat. 48°08'59"N., long. 125°56'05"W.; to lat. 48°08'59"N., long. 124°48'05"W.; thence southbound 3 miles parallel to the shoreline ending at lat. 47°41'29"N., long. 124°33'05"W.; to lat. 47°31'59"N., long. 125°41'05"W.; to the point of beginning.

**Altitudes.** FL 230 to but not including FL 500.

**Times of use.** Intermittent by NOTAM.

**Controlling agency.** FAA, Seattle ARTCC.

**Using agency.** USN, Naval Air Station, Whidbey Island, WA.

USING AGENCY CHANGED 7/12/01

#### **W-237B Low Washington Coastal, WA**

**Boundaries.** Beginning at lat. 48°08'59"N., long. 125°56'05"W.; to lat. 48°08'59"N., long. 124°48'05"W.; thence southbound 3 miles parallel to the shoreline ending at lat. 47°41'29"N., long. 124°33'05"W.; to lat. 47°31'59"N., long. 125°41'05"W.; to the point of beginning.

**Altitudes.** Surface to but not including FL 230.

**Times of use.** Intermittent by NOTAM.

**Controlling agency.** FAA, Seattle ARTCC.

**Using agency.** USN, Naval Air Station, Whidbey Island, WA.

USING AGENCY CHANGED 7/12/01

#### **W-237C Washington Coastal, WA**

**Boundaries.** Beginning at lat. 48°08'59"N., long. 125°56'05"W.; to lat. 47°00'00"N., long. 125°28'03"W.; to lat. 47°00'00"N., long. 126°15'00"W.; to lat. 48°08'59"N., long. 126°15'00"W.

**Altitudes.** Surface to unlimited.

**Time of use.** Intermittent by NOTAM.

**Controlling agency.** FAA, Seattle ARTCC.

**Using agency.** USN, Naval Air Station, Whidbey Island, WA.

USING AGENCY CHANGED 7/12/01

**W-237D Washington Coastal, WA**

**Boundaries.** Beginning at lat. 47°00'00"N., long. 125°28'03"W.; to lat. 46°49'59"N., long. 125°24'05"W.; to lat. 46°53'24"N., long. 125°06'47"W.; to lat. 46°32'00"N., long. 125°18'00"W.; to lat. 46°06'00"N., long. 126°15'00"W.; to lat. 47°00'00"N., long. 126°15'00"W.

**Altitudes.** Surface to unlimited.

**Time of use.** Intermittent by NOTAM.

**Controlling agency.** FAA, Seattle ARTCC.

**Using agency.** USN, Naval Air Station, Whidbey Island, WA.

USING AGENCY CHANGED 7/12/01

**W-237E Washington Coastal, WA**

**Boundaries.** Beginning at lat. 48°29'37"N., long. 125°09'01"W.; to lat. 48°08'59"N., long. 125°05'00"W.; to lat. 48°08'59"N., long. 127°54'44"W.; to lat. 48°20'00"N., long. 128°00'00"W.

**Altitudes.** Surface to FL 270.

**Time of use.** Intermittent by NOTAM.

**Controlling agency.** FAA, Seattle ARTCC.

**Using agency.** USN, Naval Air Station, Whidbey Island, WA.

USING AGENCY CHANGED 7/12/01

**W-237F Washington Coastal, WA**

**Boundaries.** Beginning at lat. 48°08'59"N., long. 126°15'00"W.; to lat. 47°00'00"N., long. 126°15'00"W.; to lat. 47°00'00"N., long. 127°22'26"W.; to lat. 48°08'59"N., long. 127°54'44"W.

**Altitudes.** Surface to unlimited.

**Time of use.** Intermittent by NOTAM.

**Controlling agency.** FAA, Seattle ARTCC.

**Using agency.** USN, Naval Air Station, Whidbey Island, WA.

USING AGENCY CHANGED 7/12/01

**W-237G Washington Coastal, WA**

**Boundaries.** Beginning at lat. 47°00'00"N., long. 126°15'00"W.; to lat. 46°06'00"N., long. 126°15'00"W.; to lat. 45°48'35"N., long. 126°50'49"W.; to lat. 47°00'00"N., long. 127°22'26"W.

**Altitudes.** Surface to unlimited.

**Time of use.** Intermittent by NOTAM.

**Controlling agency.** FAA, Seattle ARTCC.

**Using agency.** USN, Naval Air Station, Whidbey Island, WA.

USING AGENCY CHANGED 7/12/01

**W-237H Washington Coastal, WA**

**Boundaries.** Beginning at lat. 48°20'00"N., long. 128°00'00"W.; to lat. 47°00'00"N., long. 127°22'26"W.; to lat. 47°00'00"N., long. 129°00'00"W.; to lat. 48°21'02"N., long. 130°00'00"W.

**Altitudes.** Surface to FL 270.

**Time of use.** Intermittent by NOTAM.

**Controlling Agency.** FAA, Oakland ARTCC.

**Using agency.** USN, Naval Air Station, Whidbey Island, WA.

USING AGENCY CHANGED 7/12/01

**W-237J Washington Coastal, WA**

**Boundaries.** Beginning at lat. 47°00'00"N., long. 127°22'26"W.; to lat. 45°48'35"N., long. 126°50'49"W.; to lat. 45°50'00"N., long. 128°10'00"W.; to lat. 47°00'00"N., long. 129°00'00"W.

**Altitudes.** Surface to FL 270.

**Time of use.** Intermittent by NOTAM.

**Controlling agency.** FAA, Oakland ARTCC.

**Using agency.** USN, Naval Air Station, Whidbey Island, WA.

USING AGENCY CHANGED 7/12/01

**W-260 San Francisco, CA**

**Boundaries.** Beginning at lat. 39°00'00"N., long. 124°00'00"W.; to lat. 38°51'00"N., long. 124°00'00"W.; to lat. 38°21'30"N., long. 123°26'10"W.; to lat. 38°07'00"N., long. 123°15'14"W.; to lat. 38°02'00"N., long. 123°17'50"W.; to lat. 38°00'00"N., long. 123°23'04"W.; to lat. 37°50'00"N., long. 124°24'34"W.; to lat. 38°05'30"N., long. 125°22'04"W.; to lat. 38°52'00"N., long. 125°52'34"W.; to the point of beginning.

**Altitudes.** Surface to FL 600.

**Times of use.** 0630-2100 Monday-Friday; other times by NOTAM.

**Controlling agency.** FAA, Oakland ARTCC.

**Using agency.** Commander, Fleet Area Control and Surveillance Facility, San Diego, CA.

TIMES OF USE CHANGED 2/16/06

**W-283 San Francisco, CA**

**Boundaries.** Beginning at lat. 36°52'00"N., long. 123°10'04"W.; to lat. 36°20'00"N., long. 124°19'04"W.; to lat. 35°13'00"N., long. 123°34'04"W.; to lat. 35°29'00"N., long. 123°00'04"W.; to lat. 35°04'00"N., long. 122°43'04"W.; to lat. 35°20'55"N., long. 122°06'59"W.; to the point of beginning.

**Altitudes.** Surface to FL 600.



**Times of use.** 0630-2100 Monday-Friday; other times by NOTAM.

**Controlling agency.** FAA, Oakland ARTCC

**Using agency.** Commander, Fleet Area Control and Surveillance Facility, San Diego, CA

TIMES OF USE CHANGED 2/16/06

**W-285A San Francisco, CA**

**Boundaries.** Beginning at lat. 36°59'00"N., long 122°55'49"W.; to lat. 36°11'00"N., long 122°23'34"W.; to lat. 35°37'00"N., long 121°32'04"W.; to lat. 35°20'55"N., long 122°06'59"W.; to lat. 36°52'00"N., long 123°10'04"W.; to point of beginning.

**Altitudes.** Surface to FL 450.

**Times of use.** 0630-2100 Monday–Friday, other times by NOTAM.

**Controlling agency.** FAA, Oakland ARTCC.

**Using agency.** U.S. Navy, Commander Fleet Area Control and Surveillance Facility, San Diego, CA.

AMENDED 6/08/06

**W-285B San Francisco, CA**

**Boundaries.** Beginning at lat. 37°05'00"N., long. 122°43'04"W.; to lat. 36°06'50"N., long. 122°02'45"W.; to lat. 36°11'00"N., long. 122°23'34"W.; to lat. 36°59'00"N., long. 122°55'49"W.; to the point of beginning.

**Altitudes.** Surface to FL 190.

**Times of use.** 0630-2100 Monday–Friday, other times by NOTAM.

**Controlling agency.** FAA, Northern California TRACON ARTCC.

**Using agency.** U.S. Navy, Commander Fleet Area Control and Surveillance Facility, San Diego, CA.

AMENDED 2/16/06

**W-285C San Francisco, CA**

**Boundaries.** Beginning at lat. 37°05'00"N., long. 122°43'04"W.; to lat. 36°06'50"N., long. 122°02'45"W.; to lat. 35°58'00"N., long. 121°57'04"W.; to lat. 35°37'00"N., long. 121°32'04"W.; to lat. 36°11'00"N., long. 122°23'34"W.; to lat. 36°59'00"N., long. 122°55'49"W.; to the point of beginning.

**Altitudes.** Above FL 190 to FL 450.

**Times of use.** 0630-2100 Monday–Friday, other times by NOTAM.

**Controlling agency.** FAA, Oakland ARTCC

**Using agency.** U.S. Navy, Commander Fleet Area Control and Surveillance Facility, San Diego, CA.

ALTITUDES CHANGED 6/08/06

**W-285D San Francisco, CA**

**Boundaries.** Beginning at lat. 36°06'50"N., long. 122°02'45"W.; to lat. 35°58'00"N., long. 121°57'04"W.; to lat. 35°37'00"N., long. 121°32'04"W.; to lat. 36°11'00"N., long. 122°23'34"W.; to the point of beginning.

**Altitudes.** Surface to FL 190.

**Times of use.** 0630-2100 Monday–Friday, other times by NOTAM.

**Controlling agency.** FAA, Oakland ARTCC.

**Using agency.** U.S. Navy, Commander Fleet Area Control and Surveillance Facility, San Diego, CA.

ADDED 2/16/06

**W-289 Point Mugu, CA**

**Boundaries.** Beginning at lat. 34°05'55"N., long. 119°12'33"W.; thence 3 NM from and parallel to the shoreline to lat. 34°02'15"N., long. 119°04'23"W.; to lat. 33°52'03"N., long. 119°07'02"W.; to lat. 32°56'31"N., long. 119°07'03"W.; to lat. 32°50'25"N., long. 119°15'25"W.; to lat. 32°13'30"N., long. 121°43'04"W.; to lat. 33°14'53"N., long. 122°19'19"W.; to lat. 34°05'24"N., long. 120°30'04"W.; to lat. 34°00'00"N., long. 120°30'04"W.; to lat. 34°00'00"N., long. 119°37'43"W.; to the point of beginning, excluding that portion which would coincide with W-412, R-2535A, and R-2535B.

**Altitudes.** Unlimited.

**Times of use.** Intermittent by NOTAM.

**Controlling agency.** FAA, Los Angeles ARTCC

**Using agency.** U.S. Navy, Commander, Naval Air Warfare Center Weapons Division, Point Mugu, CA

TIMES OF USE CHANGED 1/15/09

**W-289N Point Mugu, CA**

**Boundaries.** Beginning at lat. 34°06'45"N., long. 120°30'04"W.; to lat. 34°08'00"N., long. 120°25'44"W.; to lat. 34°08'00"N., long. 120°10'49"W.; to lat. 34°00'00"N., long. 120°16'04"W.; to lat. 34°00'00"N., long. 120°30'04"W.; to the point of beginning.

**Altitudes.** Surface to FL 240.

**Times of use.** Intermittent by NOTAM.

**Controlling agency.** FAA, Los Angeles ARTCC

**Using agency.** U.S. Navy, Commander, Naval Air Warfare Center Weapons Division, Point Mugu, CA

TIMES OF USE CHANGED 1/15/09

**W-290 San Diego, CA**

**Boundaries.** Beginning at lat. 33°28'30"N., long. 119°07'03"W.; to lat. 33°28'30"N., long. 119°04'03"W.; to lat. 33°27'20"N., long. 119°01'43"W.; to lat. 33°28'30"N., long. 119°00'13"W.;

to lat. 33°28'30"N., long. 118°47'00"W.; to lat. 33°19'30"N., long. 118°37'03"W.; to lat. 32°56'31"N., long. 119°07'03"W.; to the point of beginning.

**Altitudes.** Surface to FL 800.

**Times of use.** Intermittent by NOTAM.

**Controlling agency.** FAA, Los Angeles ARTCC.

**Using agency.** U.S. Navy, Commander, Naval Air Warfare Center Weapons Division, Point Mugu, CA.

TIMES OF USE CHANGED 1/15/09

### **W-291 San Diego, CA**

**Boundaries.** Beginning at lat. 33°12'30"N., long. 117°58'48"W.; to lat. 32°53'00"N., long. 117°41'43"W.; to lat. 32°36'50"N., long. 117°32'57"W.; to lat. 32°31'30"N., long. 117°30'03"W.; to lat. 32°13'00"N., long. 117°30'03"W.; to lat. 32°13'00"N., long. 117°12'03"W.; to lat. 29°35'00"N., long. 115°57'03"W.; to lat. 29°35'00"N., long. 118°10'03"W.; to lat. 24°00'01"N., long. 125°00'03"W.; to lat. 27°30'00"N., long. 127°10'04"W.; to lat. 30°40'00"N., long. 120°50'03"W.; to lat. 30°50'00"N., long. 120°40'03"W.; to lat. 31°50'00"N., long. 119°42'03"W.; to lat. 32°12'15"N., long. 119°42'03"W.; to lat. 32°44'30"N., long. 119°07'03"W.; to lat. 33°16'35"N., long. 118°25'03"W.; to the point of beginning.

**Altitudes.** Surface to FL 800.

**Times of use.** Intermittent by NOTAM.

**Controlling agency.** FAA, Los Angeles ARTCC

**Using agency.** Fleet Air Control and Surveillance Facility, San Diego, CA

TIMES OF USE CHANGED 1/15/09

### **W-371 Ponce, PR**

**Boundaries.** Beginning at lat. 18°04'53"N., long. 67°54'59"W.; to lat. 18°04'53"N., long. 67°15'04"W.; 3 NM from and parallel to the shoreline; to lat. 17°55'33"N., long. 66°37'59"W.; to lat. 17°44'53"N., long. 66°38'59"W.; to lat. 17°00'00"N., long. 66°43'00"W.; to lat. 16°36'00"N., long. 66°45'00"W.; to lat. 16°30'00"N., long. 66°46'00"W.; to lat. 16°30'00"N., long. 67°55'00"W.; to the point of beginning.

**Altitudes.** Surface to FL 200.

**Times of use.** By NOTAM.

**Controlling agency.** FAA, San Juan CERAP

**Using agency.** Puerto Rico Air National Guard, San Juan, PR

ALTITUDE AND TIMES OF USE CHANGED 6/5/08

### **W-386 Virginia Capes, VA**

**Boundaries.** Beginning at lat. 38°36'50"N., long. 74°59'49"W.; to lat. 38°45'00"N., long. 74°52'59"W.; to lat. 38°45'00"N., long. 74°20'00"W.; to lat. 37°57'00"N., long. 73°00'30"W.; to lat. 37°13'39"N., long. 72°40'00"W.; to lat. 37°00'00"N., long. 75°30'00"W.; to lat. 37°08'01"N.,

long. 75°30'00"W.; to lat. 37°08'01"N., long. 75°46'59"W.; thence 3 NM from and parallel to the shoreline to the point of beginning.

**Altitudes.** Surface to unlimited; excluding the airspace from 2,000 feet MSL to FL 600 west of long. 75°30'00"W., and excluding the airspace above FL 230 within the area bounded by lat. 38°36'50"N., long. 74°59'49"W.; to lat. 38°45'00"N., long. 74°52'59"W.; to lat. 38°45'00"N., long. 74°36'59"W.; to lat. 38°39'15"N., long. 74°43'59"W.; to lat. 38°25'30"N., long. 74°58'59"W.; thence 3 NM from and parallel to the shoreline to the point of beginning.

**Times of use.** Intermittent by NOTAM.

**Controlling agency.** FAA, Washington ARTCC

**Using agency.** U.S. Navy, Fleet Area Control and Surveillance Facility, Virginia Capes, Naval Air Station Oceana, Virginia Beach, VA

TIMES OF USE CHANGED 1/15/09

### **W-387A Virginia Capes, VA**

**Boundaries.** Beginning at lat. 37°04'54"N., long. 74°35'59"W.; to lat. 37°13'40"N., long. 72°39'59"W.; to lat. 36°42'09"N., long. 72°39'58"W.; to lat. 36°47'16"N., long. 74°35'59"W.; to the point of beginning.

**Altitudes.** Surface to but not including FL 240.

**Times of use.** Continuous.

**Controlling agency.** U.S. Navy, FACSFAC VACAPES

**Using agency.** U.S. Navy, FACSFAC VACAPES

CONTROLLING AND USING AGENCIES CHANGED 5/3/90

### **W-387B Virginia Capes, VA**

**Boundaries.** Beginning at lat. 37°04'54"N., long. 74°35'59"W.; to lat. 37°13'40"N., long. 72°39'58"W.; to lat. 36°42'09"N., long. 72°39'58"W.; to lat. 36°47'16"N., long. 74°35'59"W.; to the point of beginning.

**Altitudes.** FL 240 to unlimited.

**Times of use.** Continuous.

**Controlling agency.** U.S. Navy, FACSFAC VACAPES

**Using agency.** U.S. Navy, FACSFAC VACAPES

CONTROLLING AND USING AGENCIES CHANGED 5/3/90

### **W-412 Santa Cruz Island, CA**

**Boundaries.** Beginning at lat. 34°08'00"N., long. 119°40'03"W.; to lat. 33°59'15"N., long. 119°40'03"W.; to lat. 33°53'00"N., long. 120°07'03"W.; to lat. 33°49'00"N., long. 120°16'03"W.; to lat. 34°00'00"N., long. 120°16'04"W.; to lat. 34°08'00"N., long. 120°10'49"W.; to the point of beginning.

**Altitudes.** Surface to 3,000 feet MSL.

**Times of use.** Sunrise to sunset, daily.

**Controlling agency.** FAA, Los Angeles ARTCC

**Using agency.** U.S. Navy, Commander, Naval Air Warfare Center Weapons Division, Point Mugu, CA

TIMES OF USE CHANGED 1/15/09

#### **W-453 Gulfport, MS**

**Boundaries.** Beginning at lat. 30°09'16"N., long. 88°01'30"W.; to lat. 29°36'11"N., long. 88°01'30"W.; to lat. 29°42'51"N., long. 88°49'30"W.; thence 3 NM offshore of the Chandeleur Islands to lat. 30°06'01"N., long. 88°51'00"W.; to lat. 30°11'01"N., long. 88°41'40"W.; thence 3 NM from and parallel to the shoreline to the point of beginning.

**Altitudes.** Surface to FL 500.

**Times of use.** Intermittent, sunrise to sunset, daily; other times by NOTAM.

**Controlling agency.** FAA, Houston ARTCC

**Using agency.** Commander, Air National Guard Training Site, Gulfport, MS

TIMES OF USE CHANGED 1/15/09

#### **W-465A Key West, FL**

**Boundaries.** Beginning at lat. 24°40'17"N., long. 80°17'14"W.; to lat. 24°00'02"N., long. 80°12'44"W.; to lat. 24°00'02"N., long. 80°59'44"W.; to lat. 24°29'15"N., long. 80°57'40"W.; thence clockwise along a line 12 NM from and parallel to the shoreline; to lat. 24°38'25"N., long. 80°41'25"W.; to the point of beginning.

**Altitudes.** Surface to FL 700.

**Times of use.** Intermittent, 0700-2300 daily; other times by NOTAM.

**Controlling agency.** FAA, Miami ARTCC

**Using agency.** Commanding Officer, Naval Air Station, Key West, FL

BOUNDARIES CHANGED 8/15/96

#### **W-465B Key West, FL**

**Boundaries.** Beginning at lat. 24°43'01"N., long. 79°41'59"W.; to lat. 24°17'12"N., long. 79°24'59"W.; to lat. 24°00'02"N., long. 79°58'59"W.; to lat. 24°00'02"N., long. 80°12'44"W.; to lat. 24°40'17"N., long. 80°17'14"W.; to the point of beginning.

**Altitudes.** Surface to FL 700.

**Times of use.** Intermittent, 0700-2300 daily; other times by NOTAM.

**Controlling agency.** FAA, Miami ARTCC

**Using agency.** Commanding Officer, Naval Air Station, Key West, FL

**W-465C Key West, FL**

**Boundaries.** Beginning at lat. 24°00'02"N., long. 79°58'59"W.; to lat. 23°30'02"N., long. 80°57'59"W.; to lat. 23°30'02"N., long. 81°01'59"W.; to lat. 24°00'02"N., long. 80°56'44"W.; to the point of beginning.

**Altitudes.** FL 210 to FL 700.

**Times of use.** Intermittent, 0700-2300 daily; other times by NOTAM.

**Controlling agency.** FAA, Miami ARTCC

**Using agency.** Commanding Officer, Naval Air Station, Key West, FL

**W-470A Panama City, FL**

**Boundaries.** Beginning at lat. 29°32'31"N., long. 85°00'00"W.; thence 3 NM from and parallel to the shoreline; to lat. 29°42'30"N., long. 84°40'00"W.; to lat. 29°42'30"N., long. 84°00'00"W.; to lat. 28°56'00"N., long. 83°31'00"W.; to lat. 29°19'30"N., long. 85°00'00"W.; to the point of beginning.

**Altitudes.** Surface to unlimited.

**Times of use.** 0600-0030 daily; other times by NOTAM.

**Controlling agency.** FAA, Jacksonville ARTCC.

**Using agency.** U.S. Air Force, Commander, Air Armament Center, Eglin AFB, FL.

USING AGENCY CHANGED 5/20/99

**W-470B Panama City, FL**

**Boundaries.** Beginning at lat. 29°19'30"N., long. 85°00'00"W.; to lat. 28°56'00"N., long. 83°31'00"W.; to lat. 28°31'00"N., long. 84°03'00"W.; to lat. 28°46'30"N., long. 85°00'00"W.; to the point of beginning.

**Altitudes.** Surface to unlimited.

**Times of use.** 0600-0030 daily; other times by NOTAM.

**Controlling agency.** FAA, Jacksonville ARTCC.

**Using agency.** U.S. Air Force, Commander, Air Armament Center, Eglin AFB, FL.

USING AGENCY CHANGED 5/20/99

**W-470C Panama City, FL**

**Boundaries.** Beginning at lat. 28°46'30"N., long. 85°00'00"W.; to lat. 28°31'00"N., long. 84°03'00"W.; to lat. 28°10'00"N., long. 84°30'00"W.; to lat. 28°10'00"N., long. 84°39'00"W.; to lat. 28°15'00"N., long. 85°00'00"W.; to the point of beginning.

**Altitudes.** Surface to unlimited.

**Times of use.** 0600-0030 daily; other times by NOTAM.

**Controlling agency.** FAA, Jacksonville ARTCC.

**Using agency.** U.S. Air Force, Commander, Air Armament Center, Eglin AFB, FL.

USING AGENCY CHANGED 5/20/99

**W-470D Panama City, FL**

**Boundaries.** Beginning at lat. 28°56'00"N., long. 83°31'00"W.; to lat. 28°24'00"N., long. 83°31'00"W.; to lat. 28°33'00"N., long. 84°01'00"W.; to the point of beginning.

**Altitudes.** Surface to unlimited.

**Times of use.** Intermittent, 0600-0030 daily; other times by NOTAM.

**Controlling agency.** FAA, Jacksonville ARTCC.

**Using agency.** Commander, Air Armament Center, Eglin AFB, FL.

TIMES OF USE CHANGED 1/15/09

**W-470E Panama City, FL**

**Boundaries.** Beginning at lat. 28°33'00"N., long. 84°01'00"W.; to lat. 28°24'00"N., long. 83°31'00"W.; to lat. 28°05'00"N., long. 83°31'00"W.; to lat. 28°05'00"N., long. 84°15'00"W.; to lat. 28°10'00"N., long. 84°30'00"W.; to the point of beginning.

**Altitudes.** Surface to unlimited.

**Times of use.** Intermittent, 0600-0030 daily; other times by NOTAM.

**Controlling agency.** FAA, Miami ARTCC.

**Using agency.** Commander, Air Armament Center, Eglin AFB, FL.

TIMES OF USE CHANGED 1/15/09

**W-470F Panama City, FL**

**Boundaries.** Beginning at lat. 28°15'01"N., long. 85°00'00"W.; to lat. 28°10'00"N., long. 84°39'00"W.; to lat. 28°10'01"N., long. 84°30'00"W.; to lat. 28°05'00"N., long. 84°15'00"W.; to lat. 28°02'23"N., long. 85°00'00"W.; to the point of beginning.

**Altitudes.** Surface to unlimited.

**Times of use.** Intermittent by NOTAM.

**Controlling agency.** FAA, Jacksonville ARTCC.

**Using agency.** U.S. Air Force, Commander, Air Armament Center, Eglin AFB, FL.

TIMES OF USE CHANGED 1/15/09

**W-497A Patrick AFB, FL**

**Boundaries.** Beginning at lat. 28°41'41"N., long. 80°34'59"W.; to lat. 29°00'01"N., long. 79°29'59"W.; to lat. 28°00'01"N., long. 79°29'59"W.; to lat. 28°00'01"N., long. 79°59'59"W.; to lat. 28°25'01"N., long. 80°30'29"W.; thence north 3 NM from and parallel to the shoreline to the point of beginning.

**Altitudes.** Surface to unlimited.

**Times of use.** By NOTAM.

**Controlling agency.** FAA, Miami ARTCC

**Using agency.** Commander, 1<sup>st</sup> Range Operations Squadron, Cape Canaveral AFS, FL.

USING AGENCY CHANGED 11/25/04

**W-497B Patrick AFB, FL**

**Boundaries.** Beginning at lat. 29°00'01"N., long. 79°29'59"W.; to lat. 29°20'01"N., long. 78°20'09"W.; to lat. 29°30'01"N., long. 78°17'59"W.; to lat. 30°00'01"N., long. 77°12'59"W.; to lat. 30°00'01"N., long. 76°59'59"W.; to lat. 27°00'01"N., long. 77°04'59"W.; to lat. 27°00'01"N., long. 79°47'59"W.; to lat. 27°20'01"N., long. 80°05'59"W.; to lat. 27°30'01"N., long. 80°13'59"W.; thence north 3 NM from and parallel to the shoreline to lat. 28°25'01"N., long. 80°30'29"W.; to lat. 28°00'01"N., long. 79°59'59"W.; to lat. 28°00'01"N., long. 79°29'59"W.; thence to the point of beginning, excluding that airspace below 5,000 feet MSL in a corridor 2 1/2 statute miles on each side of a line between lat. 27°00'01"N., long. 78°59'59"W.; to lat. 27°15'01"N., long. 78°23'59"W.; to lat. 27°00'01"N., long. 77°42'59"W.

**Altitudes.** Surface to unlimited.

**Times of use.** By NOTAM.

**Controlling agency.** FAA, Miami ARTCC

**Using agency.** Commander, 1<sup>st</sup> Range Operations Squadron, Cape Canaveral AFS, FL.

USING AGENCY CHANGED 11/25/04

**W-506 Nantucket Shoals Offshore, MA**

**Boundaries.** Beginning at lat. 41°00'00"N., long. 69°27'58"W.; to lat. 41°00'00"N., long. 67°59'58"W.; to lat. 40°07'01"N., long. 67°59'58"W.; to lat. 40°46'00"N., long. 69°05'58"W.; to the point of beginning.

**Altitudes.** Surface to FL 500.

**Times of use.** Intermittent by NOTAM.

**Controlling agency.** FAA, New York ARTCC.

**Using agency.** USAF, Eastern Air Defense Sector, Rome, NY.

USING AGENCY CHANGED 2/11/10

**W-513 Point Reyes, CA**

**Boundaries.** Beginning at lat. 38°02'00"N., long. 123°17'50"W.; to lat. 37°56'00"N., long. 123°17'50"W.; to lat. 37°46'25"N., long. 123°10'00"W.; to lat. 37°43'00"N., long. 124°00'04"W.; to lat. 37°50'00"N., long. 124°24'34"W.; to lat. 38°00'00"N., long. 123°23'04"W.; to the point of beginning.



**Altitudes.** Surface to FL 600.

**Times of use.** 0630-2100 Monday-Friday; other times by NOTAM.

**Controlling agency.** FAA, Oakland ARTCC

**Using agency.** Commander, Fleet Area Control and Surveillance Facility, San Diego, CA

TIMES OF USE CHANGED 2/16/06

### **W-517 Guam, GU**

**Boundaries.** Beginning at lat. 12°50'00"N., long. 144°30'00"E.; to lat. 13°10'00"N., long. 144°30'00"E.; to lat. 13°10'00"N., long. 144°42'00"E.; to lat. 12°50'00"N., long. 144°45'00"E.; to lat. 11°00'00"N., long. 144°45'00"E.; to lat. 11°00'00"N., long. 143°00'00"E.; to lat. 11°45'00"N., long. 143°00'00"E.; to the point of beginning.

**Altitudes.** Surface to unlimited.

**Times of use.** By NOTAM.

**Controlling agency.** FAA, Guam CERAP

**Using agency.** Commander, Naval Forces, Marianas Naval Station, Guam

### **W-532 Point Arguello, CA**

**Boundaries.** Beginning at lat. 35°37'00"N., long. 121°32'04"W.; to lat. 34°56'30"N., long. 120°43'34"W.; thence 3 NM from and parallel to the shoreline to lat. 34°23'54"N., long.

120°30'04"W.; to lat. 33°47'10"N., long. 122°38'23"W.; to lat.

35°13'00"N., long. 123°34'04"W.; to lat. 35°29'00"N., long. 123°00'04"W.; to lat. 35°04'00"N., long. 122°43'04"W.; to the point of beginning.

**Altitudes.** Unlimited.

**Times of use.** Intermittent by NOTAM.

**Controlling agency.** FAA, Los Angeles ARTCC

**Using agency.** U.S. Navy, Commander, Naval Air Warfare Center Weapons Division, Point Mugu, CA

TIMES OF USE CHANGED 1/15/09

### **W-537 Santa Barbara, CA**

**Boundaries.** That airspace included in Control Area 1176 which lies west of long. 120°30'00"W.

**Altitudes.** Surface to unlimited.

**Times of use.** Intermittent by NOTAM.

**Controlling agency.** FAA, Los Angeles ARTCC

**Using agency.** U.S. Navy, Commander, Naval Air Warfare Center Weapons Division, Point Mugu, CA

**NOTE:** Prior approval required before entering Control Area 1176 west of long. 120°30'00"W.

TIMES OF USE CHANGED 1/15/09

**W-570 Newport, OR**

**Boundaries.** Beginning at lat. 45°44'59"N., long. 125°30'05"W.; to lat. 46°09'59"N., long. 124°20'05"W.; to lat. 44°54'02"N., long. 124°20'04"W.; thence south 12 miles from and parallel to the U.S. shoreline; to lat. 44°50'35"N., long. 124°21'21"W.; to lat. 44°37'59"N., long. 124°28'04"W.; to lat. 44°10'59"N., long. 125°30'05"W.; to point of beginning.

**Altitudes.** Surface to FL 500.

**Times of use.** Intermittent by NOTAM.

**Controlling agency.** FAA, Seattle ARTCC

**Using agency.** 25th Air Division, McChord AFB, WA.

BOUNDARIES CHANGED 10/13/94

**W-602 Gulf of Mexico, South of Houston, TX**

**Boundaries.** Beginning at lat. 27°37'00"N., long. 94°05'00"W.; to lat. 26°13'00"N., long. 93°27'00"W.; to lat. 25°20'00"N., long. 94°23'00"W.; to lat. 26°02'00"N., long. 95°53'00"W.; to lat. 27°04'00"N., long. 95°20'00"W.; to the point of beginning.

**Altitude.** Surface to FL 250.

**Times of use.** Continuous.

**Controlling agency.** FAA Houston ARTCC.

**Using Agency.** USN, CO STRATCOMM WING 1, Tinker AFB, Oklahoma City, OK.

USING AGENCY CHANGED 7/2/09

**W-612 Blying Sound, AK**

**Boundaries.** Beginning at lat. 59°43'00"N., long. 148°57'30"W.; to lat. 59°43'00"N., long. 148°43'30"W.; to lat. 59°22'00"N., long. 147°05'00"W.; to lat. 58°48'00"N., long. 148°00'00"W.; to lat. 59°09'00"N., long. 149°47'00"W.; to point of beginning.

**Altitudes.** Surface to FL 290.

**Times of use.** By NOTAM.

**Controlling agency.** FAA, Anchorage ARTCC

**Using agency.** USAF, 3 WG, Elmendorf AFB, AK.

USING AGENCY CHANGED 3/30/95

## Subpart E – National Security Areas

### Definition.

A national security area (NSA) consists of airspace of defined vertical and lateral dimensions established at locations where there is a requirement for increased security of ground facilities. The purpose of such national security areas is to request pilot cooperation by voluntarily avoiding flight through the NSA.

When circumstances dictate a need for a greater level of security, flight in an NSA may be temporarily prohibited by regulation under the provisions of 14 CFR Section 99.7, Special Security Instructions.

Such prohibitions will be issued by FAA Headquarters and disseminated via the U.S. NOTAM System.

### Aiken, SC

**Boundaries.** Beginning at to lat. 33°23'45"N., long. 81°33'20"W; to lat. 33°14'30"N., long. 81°29'50"W; to lat. 33°13'16"N., long. 81°30'45"W; to lat. 33°08'50"N., long. 81°39'22"W; to lat. 33°17'12"N., long. 81°47'40"W; to lat. 33°18'33"N., long. 81°45'45"W; to lat. 33°19'25"N., long. 81°46'35"W; to lat. 33°23'00"N., long. 81°46'00"W; to lat. 33°22'20"N., long. 81°42'55"W; to point of beginning.

**Altitudes.** Surface to 2,000 MSL.

**Using agency.** U.S. Department of Energy, Savannah River Plant, SC.

ADDED 8/6/81

### Anniston, AL

**Boundaries.** Within a 3-nautical mile radius centered at lat. 33°40'27"N., long. 085°58'06"W.

**Altitudes.** Surface to 5,000 feet AGL.

**Using agency.** U.S. Army Anniston Chemical Depot, AL.

ADDED 9/2/04

### Bremerton, WA

**Boundaries.** Beginning at lat. 47°33'43"N., long. 122°37'31"W; to lat. 47°33'48"N., long. 122°37'35"W; to lat. 47°33'48"N., long. 122°37'40"W; to lat. 47°33'54"N., long. 122°37'40"W; to lat. 47°33'54"N., long. 122°37'59"W; to lat. 47°33'52"N., long. 122°37'59"W; to lat. 47°33'52"N., long. 122°38'08"W; to lat. 47°33'49"N., long. 122°38'08"W; to lat. 47°33'49"N., long. 122°39'06"W; to lat. 47°33'31"N., long. 122°39'06"W; to lat. 47°33'31"N., long. 122°39'20"W; to lat. 47°33'17"N., long. 122°39'20"W; to lat. 47°33'04"N., long. 122°39'41"W; to lat. 47°33'04"N., long. 122°39'07"W; to lat. 47°33'07"N., long. 122°38'58"W; to lat. 47°33'07"N., long. 122°38'29"W; to lat. 47°33'10"N., long. 122°38'19"W; to lat. 47°33'19"N., long.

122°38'12"W; to lat. 47°33'23"N., long. 122°37'45"W; to lat. 47°33'39"N., long. 122°37'27"W; to point of beginning.

**Altitudes.** Surface to 2,900 feet MSL.

**Using agency.** U.S. Navy Bremerton Shipyard, WA.

ADDED 12/23/04

### **Everett, WA**

**Boundaries.** Beginning at lat. 47°59'40"N., long 122°13'24"W; to lat. 47°59'40"N., long. 122°13'30"W; to lat. 47°59'20"N., long. 122°13'33"W; to lat. 47°59'13"N., long. 122°13'38"W; to lat. 47°59'06"N., long. 122°13'49"W; to lat. 47°58'51"N., long. 122°14'04"W; to lat. 47°58'46"N., long. 122°13'53"W; to lat. 47°58'46"N., long. 122°13'44"W; to lat. 47°58'48"N., long. 122°13'40"W; to lat. 47°58'59"N., long. 122°13'30"W; to lat. 47°59'14"N., long. 122°13'18"W; to lat. 47°59'13"N., long. 122°13'12"W; to lat. 47°59'20"N., long. 122°13'08"W; to lat. 47°59'20"N., long. 122°13'03"W; to lat. 47°59'25"N., long. 122°12'57"W; to lat. 47°59'25"N., long. 122°12'52"W; to lat. 47°59'39" N., long. 122°12'51"W; to point of beginning.

**Altitudes.** Surface to 1,900 feet MSL.

**Using agency.** U.S. Navy Naval Station  
Everett, WA.

ADDED 12/23/04

### **Hanford, WA**

**Boundaries.** Beginning at lat. 46°38'00"N., long. 119°43'30"W; to lat. 46°44'25"N., long. 119°25'00"W; to lat. 46°39'30"N., long. 119°20'00"W; to lat. 46°34'10"N., long. 119°20'00"W; to lat. 46°30'00"N., long. 119°15'00"W; to lat. 46°23'00"N., long. 119°24'50"W; to point of beginning.

**Altitudes.** Surface to 1,800 feet MSL.

**Using agency.** U.S. Department of Energy, Hanford Plant, WA.

ADDED 7/9/81

### **Hermiston, OR**

**Boundaries.** Beginning at to lat. 45°48'05"N., long. 119°22'57"W; to lat. 45°51'54"N., long. 119°22'57"W; to lat. 45°51'54"N., long. 119°30'28"W; to lat. 45°48'57"N., long. 119°30'27"W; to point of beginning.

**Altitudes.** Surface to 5,000 feet MSL.

**Using agency.** U.S. Army Umatilla Chemical  
Depot, OR.

ADDED 12/23/04

**Honolulu, HI**

**Boundaries.** Beginning at lat. 21°20'00"N., long. 157°59'46"W; thence clockwise along a 2.1 NM arc centered on a point 2.9 NM from the Honolulu VORTAC 323° radial to lat. 21°22'30"N., long. 157°56'20"W; to lat. 21°21'50"N., long. 157°55'20"W; to lat. 21°21'50"N., long. 157°56'45"W; to lat. 21°20'00"N., long. 157°56'30"W; to point of beginning.

**Altitudes.** Surface to but not including 5,000 feet MSL.

**Using agency.** U.S. Navy Pearl Harbor, HI.

BOUNDARIES CHANGED 12/06/04

**Idaho Falls, ID**

**Boundaries.** Beginning at lat. 43°26'58"N., long. 113°10'35"W; to lat. 43°26'57"N., long. 112°56'10"W; to lat. 43°33'15"N., long. 112°35'20"W; to lat. 43°54'50"N., long. 112°38'00"W; to lat. 43°54'51"N., long. 112°46'25"W; to lat. 43°48'16"N., long. 112°50'55"W; to lat. 43°39'22"N., long. 113°03'20"W; to lat. 43°36'27"N., long. 113°10'35"W; to point to beginning.

A corridor 2 miles wide with no altitude restrictions exists in the northern portion of this boundary extending from the intersection of ID 88 and ID 22 near the point of the mountain at lat. 43°48'16"N., long. 112°50'55"W.; due east approximately 12 miles to a point approximately 1 mile south of a circular butte at lat. 43°47'40"N., long. 112°34'30"W.

**Altitudes.** Surface to 6,000 feet MSL.

**Using agency.** U.S. Department of Energy Idaho National Engineering Laboratory.

ADDED 5/14/81

**Livermore, CA**

**Boundaries.** 1/2 NM radius of lat. 37°41'26"N., long. 121°42'04"W.

**Altitudes.** Surface to 800 feet AGL.

**Using Agency.** U.S. Department of Energy Lawrence Livermore National Laboratory.

ALTITUDES CHANGED 10/27/05

**Newport, IN**

**Boundaries.** A 3-nautical mile radius centered at lat. 39°51'00"N., long. 087°25'18"W.

**Altitudes.** Surface to 2,000 feet MSL.

**Using agency.** U.S. Army Newport Chemical Activity, IN.

BOUNDARIES AND ALTITUDE CHANGED 7/7/05

**Oak Ridge, TN**

**Boundaries.** Beginning at lat. 35°58'55"N., long. 84°16'51"W.; to lat. 35°59'54"N., long. 84°14'39"W.; to lat. 35°59'26"N., long. 84°13'55"W.; to lat. 35°58'02"N., long. 84°16'34"W.

**Altitudes.** Surface to 3,000 feet MSL.

**Using Agency.** U.S. Department of Energy Y-12 Plant, TN.

ADDED 4/2/92

**Pine Bluff, AR**

**Boundaries.** Beginning at lat. 34°22'19"N., long. 092°09'54"W; to lat. 34°17'55"N., long. 092°05'11"W; thence counterclockwise along a 3 NM arc radius centered at lat. 34°20'30"N., long. 092°07'00"W; to lat. 34°20'13"N., long. 092°03'24"W; to lat. 34°22'01"N., long. 092°03'52"W; thence counterclockwise along a 3 NM arc radius centered at lat. 34°20'30"N., long. 092°07'00"W; to point of beginning.

**Altitudes.** Surface to 5,000 feet MSL.

**Using agency.** U.S Army Pine Bluff Arsenal, AR.

BOUNDARIES CHANGED 12/06/04

**Portsmouth, OH**

**Boundaries.** Beginning at lat. 39°03'07"N., long. 083°01'26"W; to lat. 39°03'07"N., long. 082°58'05"W; to lat. 38°59'12"N., long. 082°58'05"W; to lat. 38°59'12"N., long. 083°01'26"W; to point of beginning.

**Altitudes.** Surface to 2,500 feet MSL.

**Using agency.** U.S. Department of Energy Gaseous Diffusion Plant, OH.

ADDED 1/9/92

**Port Townsend, Indian Island, WA**

**Boundaries.** Beginning at to lat. 48°02'00"N., long 122°44'00"W; to lat. 48°03'00"N., long 122°45'30"W; to lat. 48°05'30"N., long 122°45'30"W; to lat. 48°05'20"N., long 122°43'30"W; to lat. 48°04'00"N., long 122°42'35"W; to lat. 48°02'35"N., long 122°42'25"W; to lat. 48°02'00"N., long 122°42'00"W; to point of beginning.

**Altitudes.** Surface to 2,900 feet MSL.

**Using agency.** U.S. Navy Indian Island Magazine, WA.

ADDED 12/23/04

**Pueblo, CO**

**Boundaries.** Within a 3-nautical mile radius centered at lat. 38°18'40"N., long. 104°20'51"W.

**Altitudes.** Surface to 3,000 feet AGL.

**Using agency.** U.S. Army Pueblo Chemical Depot, CO.

ADDED 1/20/05

**Richmond, KY**

**Boundaries.** Within a 3-nautical mile radius centered at lat. 37°42'00"N., long. 084°13'00"W.

**Altitudes.** Surface to but not including 5,000 feet AGL.

**Using agency.** U. S. Army, Bluegrass Army Depot, KY.

ADDED 12/23/04

**Tooele, UT**

**Boundaries.** Beginning at lat. 40°15'40"N., long. 112°24'15"W.; to lat. 40°20'11"N., long. 112°24'15"W; to lat. 40°20'11"N., long. 112°17'10"W; to lat. 40°15'40"N., long. 112°17'10"W; to point of beginning.

**Altitudes.** Surface to 8,000 feet MSL.

**Using agency.** U.S. Army Deseret Chemical Depot, UT.

ADDED 12/23/04

**IDENTIFIERS****UNITED STATES**

AL	Alabama
AK	Alaska
AZ	Arizona
AR	Arkansas
CA	California
CO	Colorado
CT	Connecticut
DE	Delaware
DC	District of Columbia
FL	Florida
GA	Georgia
HI	Hawaii
ID	Idaho
IL	Illinois
IN	Indiana
IA	Iowa
KS	Kansas
KY	Kentucky
LA	Louisiana
ME	Maine
MD	Maryland
MA	Massachusetts
MI	Michigan
MN	Minnesota
MS	Mississippi
MO	Missouri
MT	Montana
NE	Nebraska
NV	Nevada
NH	New Hampshire
NJ	New Jersey
NM	New Mexico
NY	New York
NC	North Carolina
ND	North Dakota
OH	Ohio
OK	Oklahoma
OR	Oregon
PA	Pennsylvania
RI	Rhode Island



SC South Carolina  
SD South Dakota  
TN Tennessee  
TX Texas  
UT Utah  
VT Vermont  
VA Virginia  
WA Washington  
WV West Virginia  
WI Wisconsin  
WY Wyoming

BF Bahama Islands  
CQ Northern Mariana Islands  
GU Guam  
JQ Johnston Island Johnston Atoll  
TT Kwajalein Island (Marshall Islands)  
PR Puerto Rico  
VI Virgin Islands  
WQ Wake Island

### **CANADA**

AB Alberta  
BC British Columbia  
LB Labrador  
MB Manitoba  
NB New Brunswick  
NF Newfoundland  
NT Northwest Territories  
NS Nova Scotia  
ON Ontario  
PE Prince Edward Island  
PQ Quebec  
SK Saskatchewan  
YT Yukon Territory