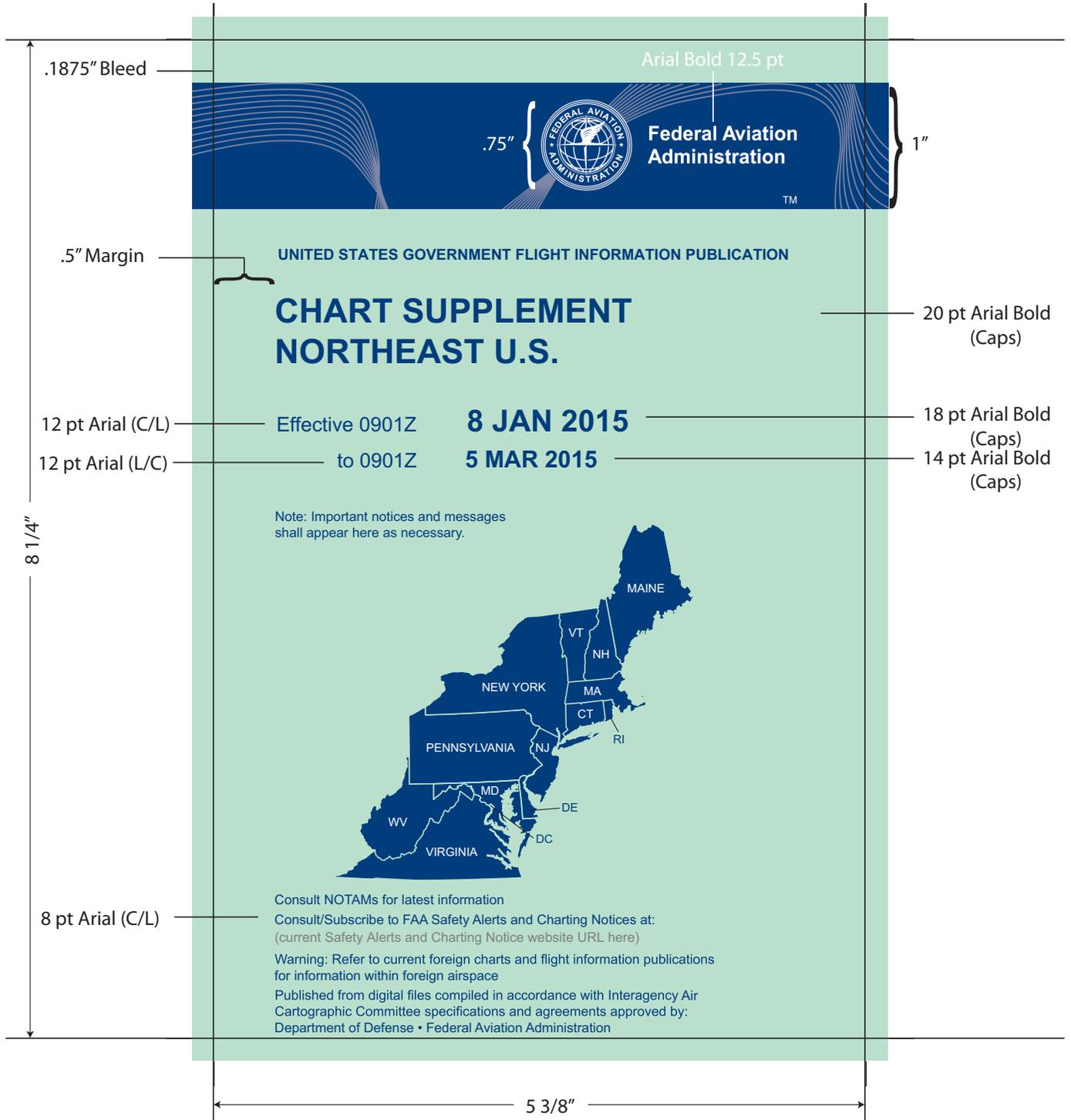
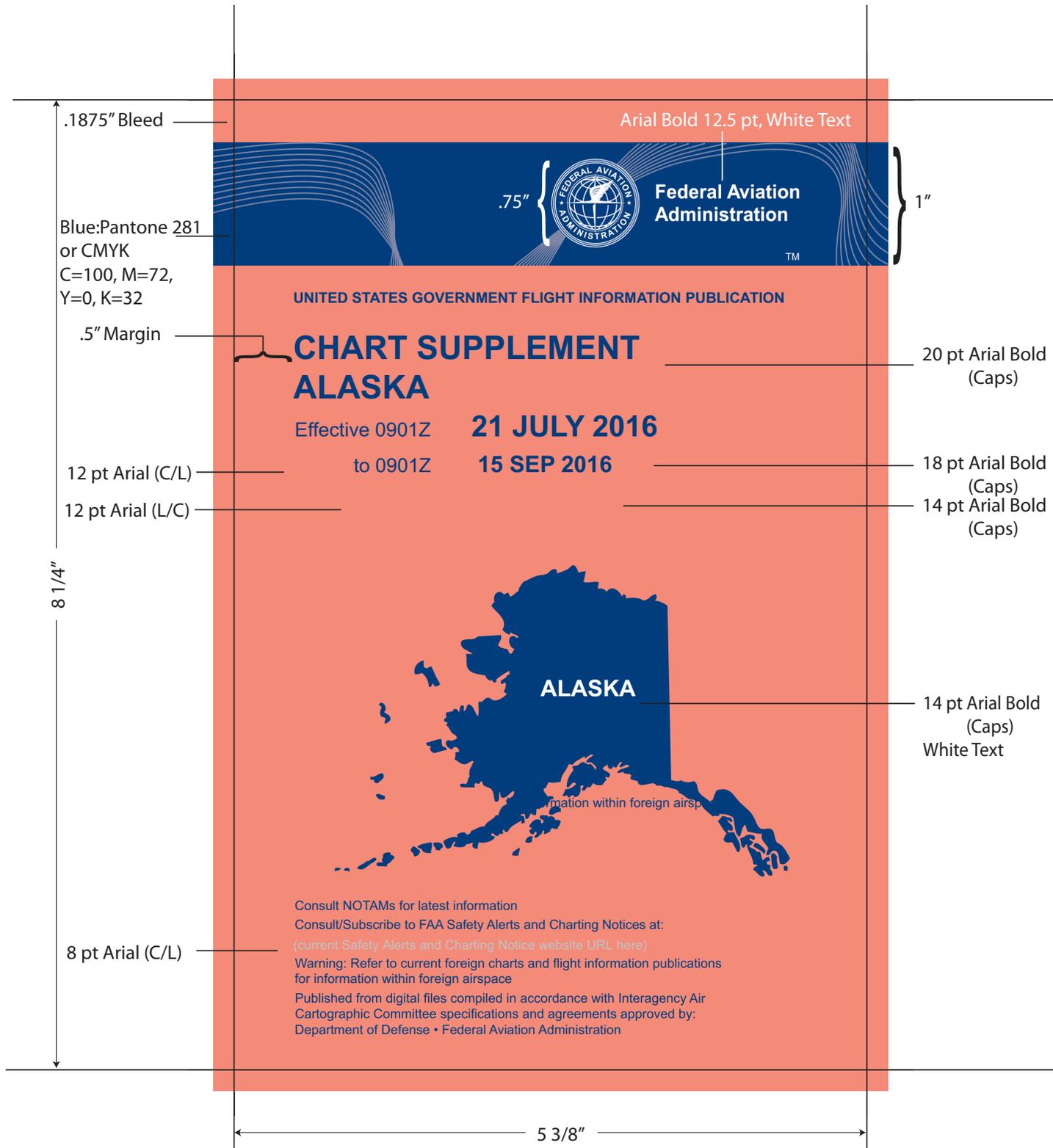


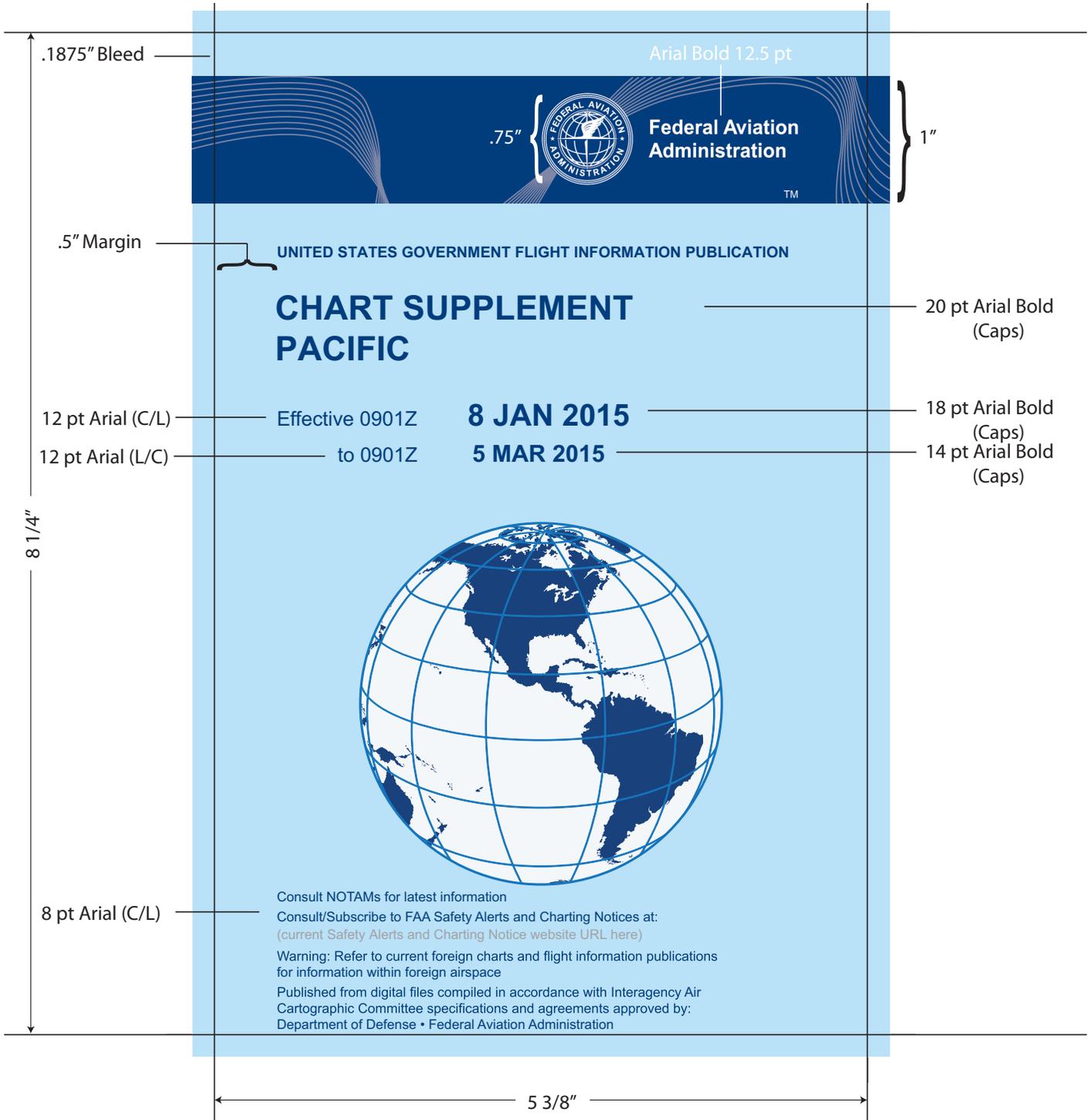
APPENDIX 1
FRONT COVER - CHART SUPPLEMENT U.S.



APPENDIX 2
FRONT COVER - CHART SUPPLEMENT ALASKA



APPENDIX 3
FRONT COVER - CHART SUPPLEMENT PACIFIC



APPENDIX 4 INSIDE FRONT COVER - CHART SUPPLEMENT U.S.

GENERAL INFORMATION

This Chart Supplement is a Civil Flight Information Publication updated every eight weeks by the U.S. Department of Transportation, Federal Aviation Administration, Aeronautical Information Services, ([current FAA AIS Homepage URL here](#)) It is designed for use with Aeronautical Charts covering the conterminous United States, Puerto Rico and the Virgin Islands.

The Airport/Facility Directory section contains all public-use airports, seaplane bases and heliports, military facilities, and selected private use facilities specifically requested by the Department of Defense (DoD) for which a DoD Instrument Approach Procedure has been published in the U.S. Terminal Procedures Publication. Additionally, this publication contains communications data, navigational facilities and certain special notices and procedures.

Military data contained within this publication is provided by the National Geospatial-Intelligence Agency and is intended to provide reference data for military and/or joint use airports. Not all military data contained in this publication is applicable to civil users.

CORRECTIONS, COMMENTS, AND/OR PROCUREMENT

CRITICAL information such as equipment malfunction, abnormal field conditions, hazards to flight, etc., should be reported as soon as possible.

FOR CORRECTIONS TO AERONAUTICAL DATA: ([current NFDC website URL here](#))

(current NFDC
contact information)

NOTICE: Changes must be received by Aeronautical Information Services as soon as possible but not later than the "cut-off" dates listed below to assure publication on the desired effective date. Information cut-off dates that fall on a federal holiday must be received the previous work day.

Effective Date	Airport Information Cut-off date	Airspace Information* Cut-off date
21 Jul 16	8 Jun 16	24 May 16
15 Sep 16	3 Aug 16	19 Jul 16
10 Nov 16	28 Sep 16	13 Sep 16
5 Jan 17	23 Nov 16	8 Nov 16
2 Mar 17	18 Jan 17	3 Jan 17
27 Apr 17	15 Mar 17	28 Feb 17

*Airspace Information includes changes to preferred routes and graphic depictions on charts.

FOR CHARTING COMMENTS:

(current charting comments
contact information)

Frequently asked questions (FAQs) are answered on our website at ([current AIS FAQ website URL here](#)) See the FAQs prior to contact via toll free number.

FOR PROCUREMENT:

For digital products, visit:
([current digital products website URL here](#))

For a list of approved FAA Print Providers, visit our website at:
([current list of approved FAA Print Providers website URL here](#))

THIS PUBLICATION COMPRISES PART OF THE FOLLOWING SECTIONS OF THE UNITED STATES AERONAUTICAL INFORMATION PUBLICATION (AIP): GEN, ENR AND AD.

NE, 21 JUL 2016 to 15 SEP 2016

APPENDIX 5 INSIDE FRONT COVER - CHART SUPPLEMENT ALASKA

GENERAL INFORMATION

This Chart Supplement is a joint Civil/Military Flight Information Publication (FLIP), updated every 8 weeks by the U.S. Department of Transportation, Federal Aviation Administration, Aeronautical Information Services, ([current FAA AIS Homepage URL here](#)) It is designed for use with the Flight Information Publication Enroute Charts, Alaska Terminal, USAF TACAN Charts covering Alaska and portions of Southwest and Northwest Canada, and Sectional Aeronautical Charts.

This Chart Supplement contains an Airport/Facility Directory of all airports shown on Enroute Charts, and those requested by appropriate agencies, communications data, navigational facilities, RADAR data, special notices and procedures applicable to the area of chart coverage. Military data of a more static or planning nature, is published in DoD Flight Information Publication AP/I Area Planning, North and South America.

The official ATC procedures for operating in the State of Alaska are the same as those in the conterminous United States, with a few exceptions, and are contained in the FAA Aeronautical Information Manual, Basic Flight Information and ATC Procedures.

CORRECTIONS, COMMENTS, AND/OR PROCUREMENT CIVIL

CRITICAL information such as equipment malfunction, abnormal field conditions, hazards to flight, etc., should be reported as soon as possible.

FOR CORRECTIONS TO AERONAUTICAL DATA: ([current NFDC website URL here](#))

(current NFDC
contact information)

NOTICE: Changes must be received by the Aeronautical Information Management as soon as possible but not later than the "cut-off" dates listed below to assure publication on the desired effective date. Information cut-off dates that fall on a federal holiday must be received the previous work day.

Effective Date	Airport Information Cut-off date	Airspace Information* Cut-off date
21 Jul 16	8 Jun 16	24 May 16
15 Sep 16	3 Aug 16	19 Jul 16
10 Nov 16	28 Sep 16	13 Sep 16
5 Jan 17	23 Nov 16	8 Nov 16
2 Mar 17	18 Jan 17	3 Jan 17
27 Apr 17	15 Mar 17	28 Feb 17

*Airspace Information includes changes to preferred routes and graphic depictions on charts.

FOR PROCUREMENT:

For digital products, visit:
[\(current digital products website URL here\)](#)

For a list of approved FAA Print Providers, visit our website at:
[\(current list of approved FAA Print Providers website URL here\)](#)

MILITARY

For Corrections Information, See Chapter 11 of General Planning (GP). For Procurement refer to DOD Catalog of Aeronautical Charts and Flight Information Publications.

THIS PUBLICATION COMPRISES PART OF THE FOLLOWING SECTIONS OF THE UNITED STATES AERONAUTICAL INFORMATION PUBLICATION (AIP): GEN, AGA 3, COM 2.

NOTE: AERONAUTICAL INFORMATION MANUAL, BASIC FLIGHT INFORMATION AND ATC PROCEDURES

Civil pilots are urged to use the FAA Aeronautical Information Manual (AIM), Basic Flight Information and ATC Procedures to complement the operational data contained in the Alaska Supplement. The AIM contains information on the basic fundamentals required to fly in the U.S. National Airspace System which are not necessarily repeated within this Supplement. Representative of data contained consists of a Pilot/Controller Glossary; descriptions of Radio Aids to Navigation; Airspace, Air Traffic Control information involving services, rules, regulations, flight procedures, and emergency procedures; Safety of flight concerning weather, Medical Facts for Pilots and Good Operating Practices.

AK, 21 JUL 2016 to 15 SEP 2016

APPENDIX 6

INSIDE FRONT COVER - CHART SUPPLEMENT PACIFIC

GENERAL INFORMATION

This Chart Supplement is a Civil Flight Information Publication updated every eight weeks by the U.S. Department of Transportation, Federal Aviation Administration, Aeronautical Information Services, ([current FAA AIS Homepage URL here](#)) It is designed for use with Flight Information Publication Enroute Charts, and the Sectional Aeronautical Chart covering the State of Hawaii and that area of the Pacific served by U.S. facilities.

This Chart Supplement contains an Airport/Facility Directory, ATC procedures and terminal SID, STAR and IAP charts applicable to the Pacific area.

The official ATC procedures for operating in the Pacific, outside sovereign US airspace are prescribed by ICAO and are contained in ICAO documents 4444, 7030 and Annexes 2 and 11.

CORRECTIONS, COMMENTS, AND/OR PROCUREMENT

CRITICAL information such as equipment malfunction, abnormal field conditions, hazards to flight, etc., should be reported as soon as possible. **NOTE:** Requests for the creation or revision to Airport Diagrams should be in accordance with FAA Order 7910.4B.

FOR CORRECTIONS TO AERONAUTICAL DATA: ([current NFDC website URL here](#))

(current NFDC
contact information)

NOTICE: Changes must be received by Aeronautical Information Services as soon as possible but not later than the "cut-off" dates listed below to assure publication on the desired effective date. Information cut-off dates that fall on a federal holiday must be received the previous work day.

Effective Date	Airport Information Cut-off date	Airspace Information* Cut-off date
21 Jul 16	8 Jun 16	24 May 16
15 Sep 16	3 Aug 16	19 Jul 16
10 Nov 16	28 Sep 16	13 Sep 16
5 Jan 17	23 Nov 16	8 Nov 16
2 Mar 17	18 Jan 17	3 Jan 17
27 Apr 17	15 Mar 17	28 Feb 17

*Airspace Information includes changes to preferred routes, SID's, STAR's, IAP's and graphic depictions on charts.

FOR PROCUREMENT:

For digital products, visit:
([current digital products website URL here](#))

For a list of approved FAA Print Providers, visit our website at:
([current list of approved FAA Print Providers website URL here](#))

The following publications for use in the Pacific area are available from the FAA, Aeronautical Information Services:

CHART SUPPLEMENT PACIFIC. This supplement is issued every 56 days.

HAWAIIAN ISLAND-MARIANA ISLANDS SECTIONAL CHART. Issued semi-annually. Consult the Visual Chart Bulletin in this Supplement for date of the current edition.

NORTH PACIFIC OCEAN ROUTE CHARTS. Charts are issued every 56 days at 1:12,000,000 composite or four 1:7,000,000 area charts.

IFR ENROUTE PACIFIC OCEAN AND HAWAIIAN ISLAND CHART. Available from the National Geospatial-Intelligence Agency, provides coverage of Pacific areas served by US facilities.

(current NGA
contact information)

AMENDMENT NOTICE

A change notice will only be issued for safety considerations such as when an amended or original instrument approach procedure is issued.

UPON RECEIPT, THE AMENDMENT NOTICE SHOULD BE ATTACHED TO THIS PAGE SO THAT USERS HAVE ALL SIGNIFICANT CHANGES AVAILABLE.

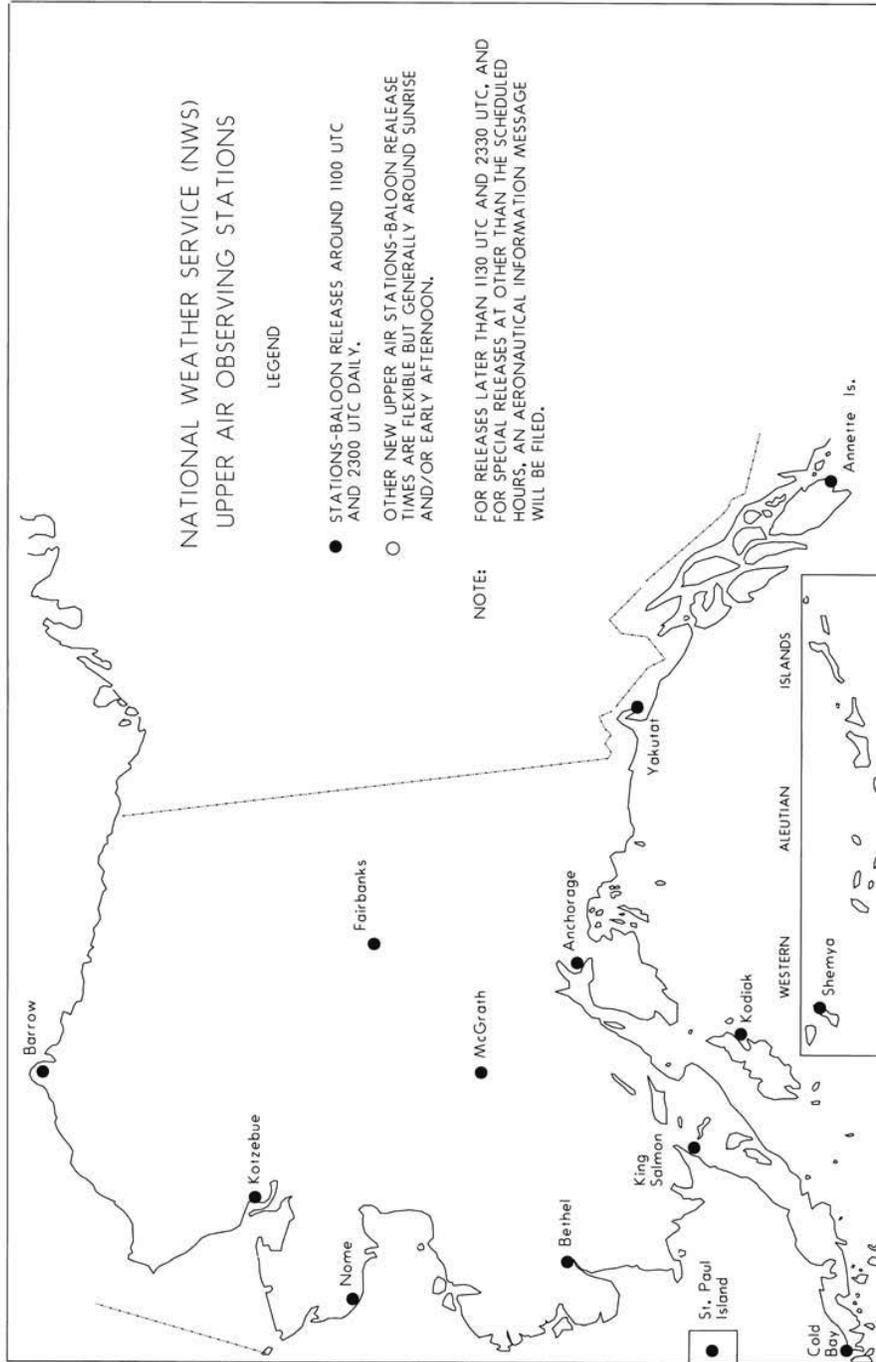
This Airport/Facility Directory comprises part of the following sections of the United States Aeronautical Information Publication (AIP): GEN, AGA 3, COM 2.

PAC, 21 JUL 2016 to 15 SEP 2016

APPENDIX 7
INSIDE BACK COVER - CHART SUPPLEMENT U.S.

Temporarily to remain blank for the
future publication of the MON Airport Listing

APPENDIX 8 INSIDE BACK COVER - CHART SUPPLEMENT ALASKA



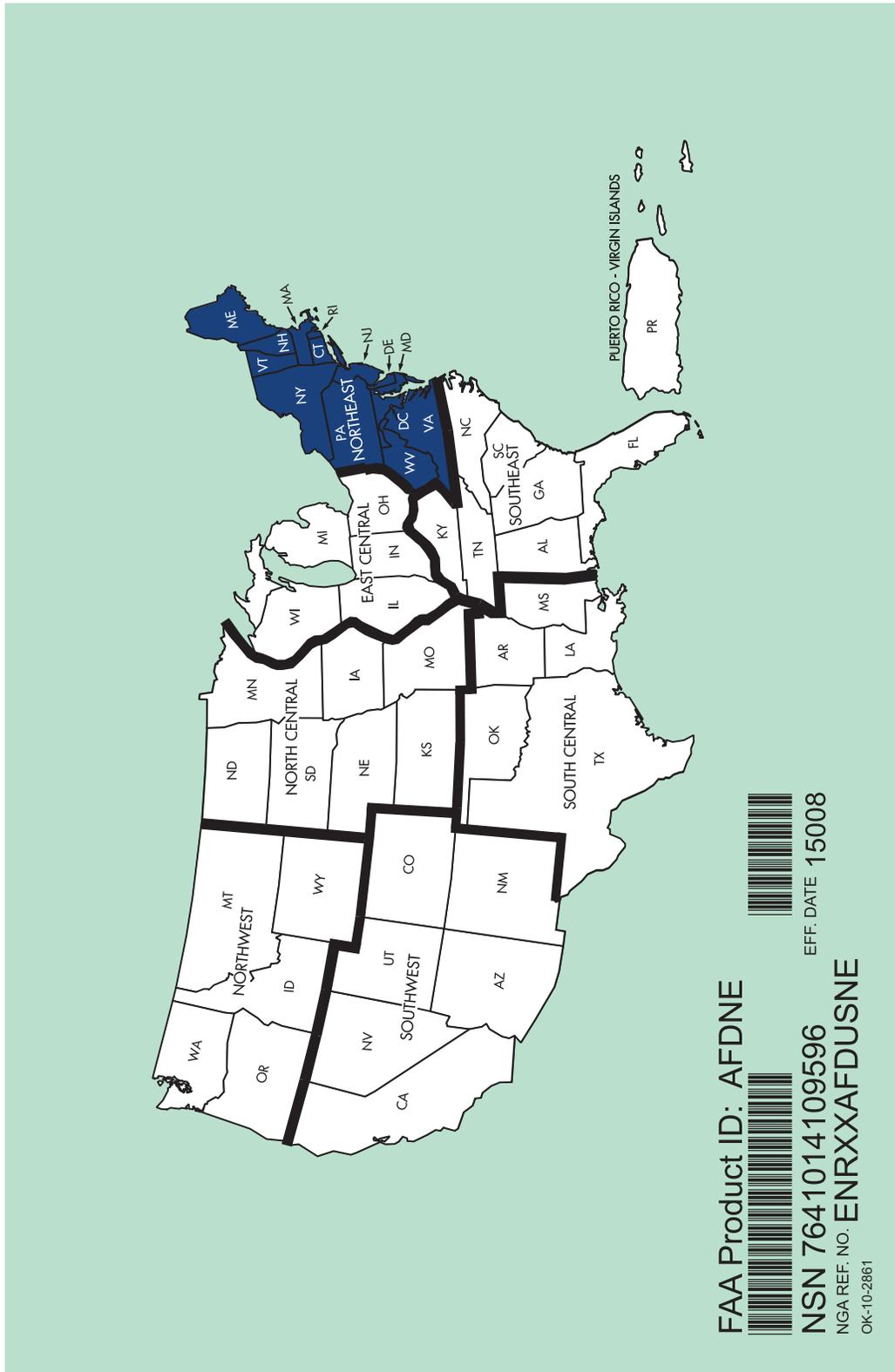
**APPENDIX 9
INSIDE BACK COVER - CHART SUPPLEMENT PACIFIC**

CLIMB/DESCENT TABLE 10042

INSTRUMENT TAKEOFF OR APPROACH PROCEDURE CHARTS RATE OF CLIMB/DESCENT TABLE (ft. per min)													
A rate of climb/descent table is provided for use in planning and executing climbs or descents under known or approximate ground speed conditions. It will be especially useful for approaches when the localizer only is used for course guidance. A best speed, power, altitude combination can be programmed which will result in a stable glide rate and altitude favorable for executing a landing if minimums exist upon breakout. Care should always be exercised so that minimum descent altitude and missed approach point are not exceeded.													
CLIMB/ DESCENT ANGLE (degrees and tenths)	ft/NM	GROUND SPEED (knots)											
		60	90	120	150	180	210	240	270	300	330	360	
2.0	210	210	320	425	530	635	743	850	955	1060	1165	1275	
2.5	265	265	400	530	665	795	930	1060	1195	1325	1460	1590	
V E R T I C A L P A T H A N G L E	2.7	287	287	430	574	717	860	1003	1147	1290	1433	1576	1720
	2.8	297	297	446	595	743	892	1041	1189	1338	1486	1635	1783
	2.9	308	308	462	616	770	924	1078	1232	1386	1539	1693	1847
	3.0	318	318	478	637	797	956	1115	1274	1433	1593	1752	1911
	3.1	329	329	494	659	823	988	1152	1317	1481	1646	1810	1975
	3.2	340	340	510	680	850	1020	1189	1359	1529	1699	1869	2039
	3.3	350	350	526	701	876	1052	1227	1402	1577	1752	1927	2103
	3.4	361	361	542	722	903	1083	1264	1444	1625	1805	1986	2166
3.5	370	370	555	745	930	1115	1300	1485	1670	1860	2045	2230	
4.0	425	425	640	850	1065	1275	1490	1700	1915	2125	2340	2550	
4.5	480	480	715	955	1195	1435	1675	1915	2150	2390	2630	2870	
5.0	530	530	795	1065	1330	1595	1860	2125	2390	2660	2925	3190	
5.5	585	585	880	1170	1465	1755	2050	2340	2635	2925	3220	3510	
6.0	640	640	960	1275	1595	1915	2235	2555	2875	3195	3510	3830	
6.5	690	690	1040	1385	1730	2075	2425	2770	3115	3460	3805	4155	
7.0	745	745	1120	1490	1865	2240	2610	2985	3355	3730	4105	4475	
7.5	800	800	1200	1600	2000	2400	2800	3200	3600	4000	4400	4800	
8.0	855	855	1280	1710	2135	2560	2990	3415	3845	4270	4695	5125	
8.5	910	910	1360	1815	2270	2725	3180	3630	4085	4540	4995	5450	
9.0	960	960	1445	1925	2405	2885	3370	3850	4330	4810	5295	5775	
9.5	1015	1015	1525	2035	2540	3050	3560	4065	4575	5085	5590	6100	
10.0	1070	1070	1605	2145	2680	3215	3750	4285	4820	5355	5890	6430	

CLIMB/DESCENT TABLE 10042

APPENDIX 10
OUTSIDE BACK COVER - CHART SUPPLEMENT U.S.



APPENDIX 11 OUTSIDE BACK COVER - CHART SUPPLEMENT ALASKA

Background color: Pantone 1635: C=0, M=31, Y=37, K=0 .25" Margin

.25" Margin .1875" Bleed

8.25" Height

I. POSITION REPORTS

A. INSTRUMENT FLIGHT RULES (IFR) POSITION REPORT

1. Identification
2. Position
3. Time
4. Altitude/FL (Include actual altitude/FL when operating on a "VFR Conditions on Top" clearance).
5. Type of Flight Plan (not required in IFR position reports made direct to ARTCC). State "VFR Conditions on Top" if so cleared.
6. Next reporting point and Estimated Time of Arrival (ETA)
7. Name only of the next succeeding reporting point along the route of flight.
8. Remarks

If entering ADIZ give appropriate ADIZ Position Reports listed under ADIZ Procedures.

B. VISUAL FLIGHT RULES (VFR) POSITION REPORT

1. Identification
2. Position
3. Time
4. Altitude
5. VFR Flight Plan
6. Destination

If entering ADIZ give appropriate ADIZ Position Reports listed under ADIZ Procedures.

II. CHANGE OF FLIGHT PLAN

A. CHANGE OF ROUTE OR DESTINATION

1. Type of Flight Plan
2. Aircraft Identification
3. Type of Aircraft/TD Code
4. Estimated True Airspeed
5. Original Destination (if applicable)
6. Departure Point
7. Position and Time
8. New Route and Altitude/FL
9. New Destination (if applicable)
10. ETE or ETA
11. Fuel Endurance
12. Alternate (if required)
13. Station where original flight plan filed.

B. CHANGE FROM VFR TO IFR ONLY

1. Aircraft identification and type
2. Position and Time
3. Route, altitude and destination
4. True air speed in knots
5. ETE from point of change to destination and hours of fuel remaining
6. Alternate airport
7. Name, rank, and honors code of VIP if aboard (only if destination is being changed).

C. CHANGE OF ETA BY MORE THAN 30 MINUTES

1. Aircraft Identification
2. Position and Time
3. "IFR (or VFR) to (destination)"
4. "New ETA – and hours of fuel remaining"

III. FILING FLIGHT PLANS

1. Type of Flight Plan
2. Aircraft Identification
3. Type of Aircraft/TD Code
4. Estimated True Airspeed
5. Point of Departure
6. Proposed Departure Time
7. Cruising Altitude
8. Route of Flight
9. Destination
10. Estimated Time Enroute (ETE)
11. Remarks
12. Fuel Endurance
13. Alternate
14. Pilot's Name
15. Number of Persons onboard
16. Color of Aircraft

NOTE: Request available NOTAM and weather information for new route and destination.

FAA Product ID: ACS

NSN 7641014109607

NGA REF. NO. ENRXXAKSUP

EFF. DATE 15008

OK-10-2858

.25" Margin .25" Margin

APPENDIX 12
OUTSIDE BACK COVER - CHART SUPPLEMENT PACIFIC

I. POSITION REPORTS**A. INSTRUMENT FLIGHT RULES (IFR) POSITION REPORT**

1. Identification
2. Position
3. Time
4. Altitude/FL (Include actual altitude/FL when operating on a "VFR Conditions on Top" clearance).
5. Type of Flight Plan (not required in IFR position reports made direct to ARTCC). State "VFR Conditions on Top" if so cleared.
6. Next reporting point and Estimated Time of Arrival (ETA)
7. Name only of the next succeeding reporting point along the route of flight.
8. Remarks

If entering ADIZ give appropriate ADIZ Position Reports listed under ADIZ Procedures.

B. VISUAL FLIGHT RULES (VFR) POSITION REPORT

1. Identification
2. Position
3. Time
4. Altitude
5. VFR Flight Plan
6. Destination

If entering ADIZ give appropriate ADIZ Position Reports listed under ADIZ Procedures.

II. CHANGE OF FLIGHT PLAN**A. CHANGE OF ROUTE OR DESTINATION**

1. Type of Flight Plan
2. Aircraft Identification
3. Type of Aircraft/TD Code
4. Estimated True Airspeed
5. Original Destination (if applicable)
6. Departure Point
7. Position and Time
8. New Route and Altitude/FL
9. New Destination (if applicable)
10. ETE or ETA
11. Fuel Endurance
12. Alternate (if required)
13. Station where original flight plan filed.

B. CHANGE FROM VFR TO IFR ONLY

1. Aircraft identification and type
2. Position and Time
3. Route, altitude and destination
4. True air speed in knots
5. ETE from point of change to destination and hours of fuel remaining
6. Alternate airport
7. Name, rank, and honors code of VIP if aboard (only if destination is being changed).

C. CHANGE OF ETA BY MORE THAN 30 MINUTES

1. Aircraft Identification
2. Position and Time
3. "IFR (or VFR) to (destination)"
4. "New ETA – and hours of fuel remaining"

III. FILING FLIGHT PLANS

1. Type of Flight Plan
2. Aircraft Identification
3. Type of Aircraft/TD Code
4. Estimated True Airspeed
5. Point of Departure
6. Proposed Departure Time
7. Cruising Altitude
8. Route of Flight
9. Destination
10. Estimated Time Enroute (ETE)
11. Remarks
12. Fuel Endurance
13. Alternate
14. Pilot's Name
15. Number of Persons onboard
16. Color of Aircraft

NOTE: Request available NOTAM and weather information for new route and destination.



EFF. DATE 15008

FAA Product ID: PCS

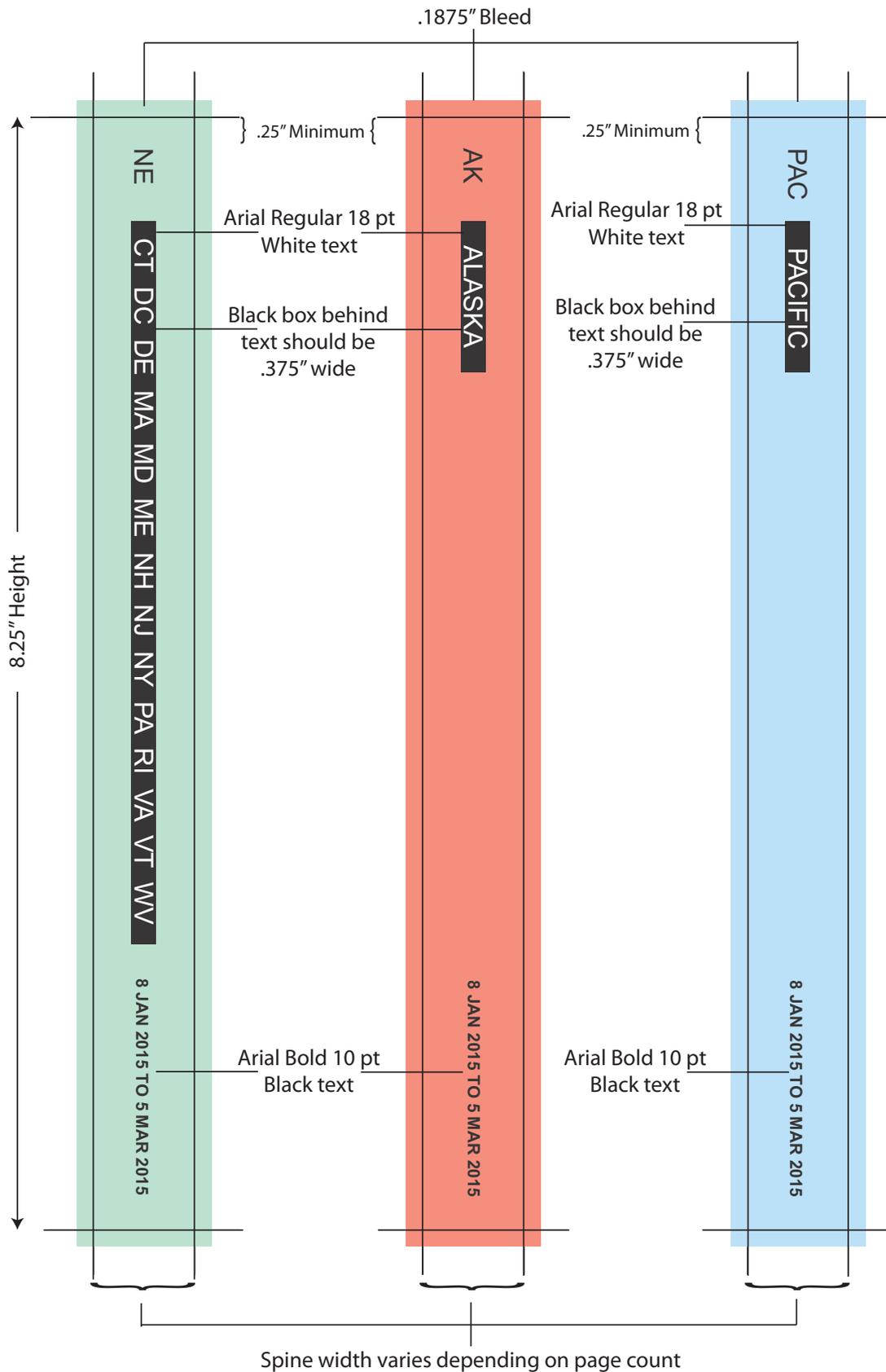


NSN 7641015059601

NGA REF. NO. ENRXXFAAPCS

OK-10-2862

APPENDIX 13 SPINES



APPENDIX 14
TABLE OF CONTENTS - CHART SUPPLEMENT U.S.

GENERAL INFORMATION **1**
TABLE OF CONTENTS

GENERAL INFORMATION	Inside Front Cover
City/Military Airport Cross Reference	2
Seaplane Landing Areas	3
Abbreviations	4
SECTION 1: AIRPORT/FACILITY DIRECTORY LEGEND.....	12
SECTION 2: AIRPORT/FACILITY DIRECTORY	30
SECTION 3: NOTICES	
Aeronautical Chart Bulletins	89
Special Notices.....	101
General Notices	110
Area Notices	111
Regulatory Notices	112
SECTION 4: ASSOCIATED DATA	
FAA Telephone Numbers and National Weather Service	113
Air Route Traffic Control Centers.....	119
Flight Service Station Communication Frequencies.....	122
Flight Standards District Offices.....	126
VOR Receiver Checkpoints and VOR Test Facilities	127
Parachute Jumping Areas	131
Supplemental Communication Reference	134
Preferred IFR Routes	140
Q-Routes	163
High Altitude Redesign (HAR) Phase 1 RNAV Routing	172
SECTION 5: PROCEDURES.....	185
SECTION 6: EMERGENCY PROCEDURES.....	187
SECTION 7: AIRPORT DIAGRAMMS	
Airport Diagrams Legend	188
Airport Hotspots	190
Airport Diagrams	194
Blank	Inside Back Cover

APPENDIX 15

TABLE OF CONTENTS - CHART SUPPLEMENT ALASKA

GENERAL INFORMATION 1

TABLE OF CONTENTS

GENERAL INFORMATION.....	Inside Front Cover
City/Military Airport Cross Reference	2
Seaplane Landing Areas	3
Abbreviations	4
SECTION 1: AIRPORT/FACILITY DIRECTORY LEGEND.....	20
SECTION 2: AIRPORT/FACILITY DIRECTORY	
Alaska	30
Canada.....	260
SECTION 3: NOTICES	
Aeronautical Chart Bulletins	273
Special Notices.....	284
General Notices	291
Area Notices	316
Regulatory Notices.....	406
SECTION 4: ASSOCIATED DATA	
FAA Telephone Numbers and National Weather Service	409
Air Route Traffic Control Centers.....	419
Flight Service Station Communication Frequencies.....	422
Flight Standards District Offices.....	426
VOR Receiver Checkpoints and VOR Test Facilities	427
Parachute Jumping Areas	431
Supplemental Communication Reference.....	434
SECTION 5: PROCEDURES.....	459
Weather/Notam Procedures	460
Instrument Departures at Civil Airports	467
ARTCC Communications.....	468
CIRVIS Reports.....	469
Meaconing, Intrusion, Jamming & Interference (MIJI) Procedures	469
Traffic Advisories at Non-Towered Airports.....	469
Pilot VIP Notification Procedures (USAF & Navy Only).....	470
ATIS.....	470
Altimeter Settings	471
Cruising Altitude Diagrams.....	472
Airport Traffic Control Light Signals	473
Special VFR	474
VFR Advisory Information	474
Air Traffic Control Radar Beacon System (ATCRBS).....	475
Military Air Traffic Control Procedures.....	478
Civil Air Traffic Control Procedures	481
Alaska ADIZ.....	485
SECTION 6: EMERGENCY PROCEDURES.....	486
Interception Signals-ICAO.....	486
Search Procedures Emergency Locator Transmitter (ELT)	489
Search & Rescue	492
Coast Guard Rescue Coordination Centers	494
Air Force Rescue Coordination Centers	494
Fuel Jettisoning	494
Two-Way Radio Failure IFR-VFR.....	494
International Ground/Air Emergency Code	500
SECTION 7: AIRPORT DIAGRAMS	
Airport Diagrams Legend	503
Airport Hotspots	505
Airport Diagrams	506
National Weather Service (NWS) Upper Air Observing Stations.....	Inside Back Cover
Position Reports.....	Back Cover

APPENDIX 16
TABLE OF CONTENTS - CHART SUPPLEMENT PACIFIC

GENERAL INFORMATION **1**
TABLE OF CONTENTS

GENERAL INFORMATION	Inside Front Cover
Abbreviations	2
Airport Locator Index	9
SECTION 1: AIRPORT/FACILITY DIRECTORY LEGEND	10
SECTION 2: AIRPORT/FACILITY DIRECTORY	28
SECTION 3: NOTICES	
Aeronautical Chart Bulletins	59
Special Notices	60
General Notices	62
Area Notices	67
Regulatory Notices	106
SECTION 4: ASSOCIATED DATA	
FICAO International Phonetic Alphabet/Morse Code	108
Radio Navigation Aids by Identification	109
VOR Receiver Check	109
ARINC	110
Parachute Jumping Areas	111
Special Use Airspace	111
Key to Aerodrome Forecast (TAF) and Aviation Routine Weather Report (METAR)	114
FSS NWS Offices	116
Key Air Traffic Facilities	117
Military Training Routes	120
Conversion Tables	122
Hot Spots	124
SECTION 5: PROCEDURES	
Flight Plans	126
Altimeter Setting–Oakland Oceanic FIR	127
Air Traffic Control Radar Beacon System (ATCRBS)	128
Oceanic Position Reporting Procedures	128
Position Reports Over Oakland FIR/CTA Boundary	132
Climb Times/Changes of Flight Level	132
Class C Airspace	133
ESCAT Procedures	133
Air Defense Identification Zones (ADIZ)	135
SECTION 6: EMERGENCY PROCEDURES	
Interception Signals–ICAO	139
Search & Rescue	141
Emergency Procedures	142
Emergency Signals	144
SECTION 7: TERMINAL PROCEDURES	145
Rate of Climb/Descent Table	Inside Back Cover
Position Reports	Back Cover

APPENDIX 18 SECTION 1: A/FD SKETCH LEGEND

AIRPORT/FACILITY DIRECTORY LEGEND

13

(10) SKETCH LEGEND	
<p style="text-align: center;">RUNWAYS/LANDING AREAS</p> <p>Hard Surfaced </p> <p>Metal Surface </p> <p>Sod, Gravel, etc. </p> <p>Light Plane, Ski Landing Area or Water</p> <p>Under Construction </p> <p>Closed </p> <p>Helicopter Landings Area </p> <p>Displaced Threshold </p> <p>Taxiway, Apron and Stopways </p>	<p style="text-align: center;">RADIO AIDS TO NAVIGATION</p> <p>VORTAC </p> <p>VOR/DME </p> <p>TACAN </p> <p>DME </p> <p>VOR </p> <p>NDB </p> <p>NDB/DME </p>
<p style="text-align: center;">MISCELLANEOUS BASE AND CULTURAL FEATURES</p> <p>Buildings </p> <p>Power Lines </p> <p>Fence </p> <p>Towers </p> <p>Wind Turbine </p> <p>Tanks </p> <p>Oil Well </p> <p>Smoke Stack </p> <p>Obstruction </p> <p>Controlling Obstruction </p> <p>Trees </p> <p>Populated Places </p> <p>Cuts and Fills </p> <p>Cliffs and Depressions </p> <p>Ditch </p> <p>Hill </p>	<p style="text-align: center;">MISCELLANEOUS AERONAUTICAL FEATURES</p> <p>Airport Beacon </p> <p>Wind Cone </p> <p>Landing Tee </p> <p>Tetrahedron </p> <p>Control Tower or TWR </p> <p style="font-size: small;">When control tower and rotating beacon are co-located beacon symbol will be used and further identified as TWR.</p> <p style="text-align: center;">APPROACH LIGHTING SYSTEMS</p> <p>A dot "•" portrayed with approach lighting letter identifier indicates sequenced flashing lights (F) installed with the approach lighting system e.g., (A1) Negative symbology, e.g., (A1)</p> <p>(V) indicates Pilot Controlled Lighting (PCL).</p> <p>Runway Centerline Lighting </p> <p>(A) Approach Lighting System ALSF-2 </p> <p>(A1) Approach Lighting System ALSF-1 </p> <p>(A2) Short Approach Lighting System SALS/SALSF </p> <p>(A3) Simplified Short Approach Lighting System (SSALR) with RAIL </p> <p>(A4) Medium Intensity Approach Lighting System (MALS and MALSF)/(SSALS and SSALF) </p> <p>(A5) Medium Intensity Approach Lighting System (MALS) and RAIL </p> <p>(O) Omnidirectional Approach Lighting System (ODALS) </p> <p>(D) Navy Parallel Row and Cross Bar </p> <p>(F) Air Force Overrun </p> <p>(V) Visual Approach Slope Indicator with Standard Threshold Clearance provided Pulsating Visual Approach Slope Indicator (PVASI) </p> <p>(V2) Visual Approach Slope Indicator with a threshold crossing height to accommodate long bodied or jumbo aircraft </p> <p>(V4) Tri-color Visual Approach Slope Indicator (TRCV) </p> <p>(V5) Approach Path Alignment Panel (APAP) </p> <p>(P) Precision Approach Path Indicator (PAPI) </p>

NE, 26 MAY 2016 to 21 JUL 2016

**APPENDIX 19
SECTION 2: A/FD DIRECTORY**

ILLINOIS

31

ALTON/ST LOUIS

ST LOUIS RGNL (ALN)(KALN) 4 E UTC-6(-5DT) N38°53.40' W90°02.76'
 544 B TPA-1000(800) AOE LRA ARFF Index—See Remarks NOTAM FILE ALN Not insp.
RWY 11-29: 8099X150 (ASPH-GRVD) S-80, D-140, 2S-175,
 2D-200 HIRL
RWY 11: REIL. VASI(V4L)—GA 3.0° TCH 46'. Tree.
RWY 29: MALSR.
RWY 17-35: 6500X100 (ASPH) S-35, D-47 MIRL
RWY 17: PAPI(P4L)—GA 3.0° TCH 43'. Tree.
RWY 35: PAPI(P4L)—GA 3.0° TCH 43'. Trees.

ST LOUIS
H-5D, L-27C, A
IAP, AD

LAND AND HOLD-SHORT OPERATIONS

LDG RWY	HOLD-SHORT POINT	AVBL LDG DIST
RWY 29	17-35	6850
RWY 35	11-29	5100

SERVICE: S4 FUEL 100LL, JET A OX 1, 3 LGT When twr clsd HIRL Rwy 11-29 and MIRL Rwy 17-35 preset on low ints, to incr ints and ACTIVATE MALSR Rwy 29, REIL Rwy 11, VASI Rwy 11, HIRL Rwy 11-29, PAPI Rwy 17 and Rwy 35, MIRL Rwy 17-35—CTAF.

AIRPORT REMARKS: Attended 1300-0400Z†. For attendant other hrs call 618-259-3230 or 258-1005. Class IV, ARFF Index A. Index C fire fighting eqpt avbl with 30 min PPR. Clsd to scheduled air carrier ops with greater than 9 pax seats and unscheduled air carrier ops greater than 30 pax seats. 90 day PPR, call arpt mgr 618-259-2531. Freq 121.5 not avbl at twr.

AIRPORT MANAGER: 618-259-2531

WEATHER DATA SOURCES: AWOS-3 128.0 (618) 259-7231. LAWRS.

COMMUNICATIONS: CTAF 126.0 ATIS 128.0 UNICOM 122.95

ST LOUIS REGIONAL RCD 122.05 (SAINT LOUIS RADIO)

® SAINT LOUIS APP/DEP CON 124.2

REGIONAL TOWER 126.0 (1300-0400Z†) GND CON 120.2

AIRSPACE: CLASS D svc 1300-0400Z† other times CLASS G.

RADIO AIDS TO NAVIGATION: NOTAM FILE STL.

TROY (L) VORTACW 116.0 TOY Chan 107 N38°44.35' W89°55.12' 323° 10.8 NM to fld. 576/4E.

TACAN AZM unusable:

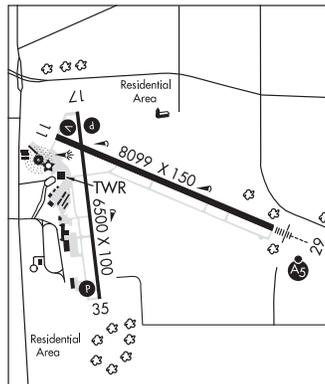
255°-270°

300°-310°

CIVIC MEMORIAL NDB (MHW) 263 CVM N38°53.54' W90°03.38' at fld. NOTAM FILE ALN.

ALPOS NDB (LOM) 218 AL N38°51.30' W89°56.28' 294° 5.5 NM to fld.

ILS/DME 108.5 I-ALN Chan 22 Rwy 29. Class IE. LOM ALPOS NDB. Unmonitored when ATCT closed. Localizer backcourse unusable byd 20° left and 20° rgt of course. DME backcourse unusable byd 5° right of course.



APPENDIX 20

AERONAUTICAL CHART BULLETIN

AERONAUTICAL CHART BULLETIN

291

The purpose of this bulletin is to provide major changes in aeronautical information that have occurred since the last publication date of each Sectional Aeronautical, VFR Terminal Area, and Helicopter Route Chart listed. The general policy is to include only those changes to controlled airspace and special use airspace that present a hazardous condition or impose a restriction on the pilot, and major changes to airports and radio navigational facilities, thereby providing the VFR pilot with the essential data necessary to update and maintain chart currency. The data is grouped by type and then by effective date. When a new edition of the Aeronautical Chart is published, the corrective tabulation will be removed from this bulletin. Inasmuch as this Bulletin provides major changes only, pilots should consult the airport listing in this directory for all new information. Users of U.S. World Aeronautical Charts (WAC) and U.S. Gulf Coast VFR Aeronautical Charts should consult the appropriate Sectional and VFR Terminal Area Charts for revisions. Positions are shown as degrees, minutes, seconds and hemisphere. Data is current as of 56 days prior to the date of this publication.

Military Training Routes (MTRs) are shown on Sectional Aeronautical Charts, VFR Terminal Area, and Helicopter Route Charts. Only the route centerline, direction of flight and the route designator are shown — route widths and altitudes are not shown. Since these routes are subject to change every 56 days and the charts are reissued generally every 6 months, routes with a change in the alignment of the charted route centerline will be listed in this Aeronautical Chart Bulletin below. You are advised to contact Flight Service for route dimensions and current status for those routes affecting your flight.

BILLINGS SECTIONAL

88th Edition, 21 Aug 2014

OBSTRUCTIONS

18 Sep 2014 Add obst 2874' MSL (450' AGL), 47°44'21"N, 102°43'16"W.
 Add obst 2152' MSL (210' AGL), 48°53'46"N, 103°05'38"W.
 Add obst 2290' MSL (205' AGL), 48°00'28"N, 101°57'08"W.
13 Nov 2014 Add obst 2426' MSL (305' AGL), 47°59'36"N, 104°06'35"W.
 Add obst 2492' MSL (210' AGL), 48°29'43"N, 107°20'41"W.
 Add obst 2866' MSL (489' AGL), 47°01'52"N, 101°36'04"W.
8 Jan 2015 Add obst 2803' MSL (415' AGL), 44°27'56"N, 101°52'43"W.
 Add obst 3303' MSL (415' AGL), 45°01'16"N, 102°30'11"W.
 Add obst 2636' MSL (312' AGL), 47°00'40"N, 101°45'46"W.
 Add obst 2829' MSL (489' AGL), 47°04'02"N, 101°29'45"W.
 Add obst 2817' MSL (489' AGL), 46°59'18"N, 101°34'50"W.
 Add obst 2889' MSL (489' AGL), 47°00'24"N, 101°33'38"W.
 Change wind turbine farm highest MSL from 2770' MSL to 2889' MSL, 47°00'24"N, 101°33'38"W

AIRPORTS

18 Sep 2014 – 8 Jan 2015 No Major Changes.

NAVAIDS

18 Sep 2014 – 8 Jan 2015 No Major Changes.

AIRSPACE

18 Sep 2014 – 13 NOV 2014 No Major Changes.
8 Jan 2015 Revise HULETT, WY Class E: That airspace extending upward from 700 feet above the surface within a 8.3-mile radius of Hulett Municipal Airport; that airspace extending upward from 1,200 feet above the surface beginning at 44°54'00" N., 105°18'00" W.; to 44°52'00" N., 104°00'00" W.; to 43°56'00" N., 103°37'00" W.; to 43°48'00" N., 105°16'00" W.; to 44°20'00" N., 105°26'00" W., thence to the point of beginning.

SPECIAL USE AIRSPACE

18 Sep 2014 – 8 Jan 2015 No Major Changes

MILITARY TRAINING ROUTES

18 Sep 2014 – 8 Jan 2015 No Major Changes

MISCELLANEOUS

18 Sep 2014 No Major Changes

13 Nov 2014 Change MEF 2⁹ to 3¹ in quadrant 47°00' -47°30' N, 101°30' -102°00' W.

Change MEF 2⁸ to 3⁰ in quadrant 47°00' -47°30' N, 101°00' -101°30' W.

8 Jan 2015 Change MEF 2⁹ to 3⁰ in quadrant 46°30' -47°00' N, 101°30' -102°00' W.
