



TAKEOFF MINIMUMS, (OBSTACLE) DEPARTURE PROCEDURES, AND DIVERSE VECTOR AREA (RADAR VECTORS)

14317



NEEDLES, CA

NEEDLES (EED)

TAKEOFF MINIMUMS AND (OBSTACLE)

DEPARTURE PROCEDURES

AMDT 1 14009 (FAA)

TAKEOFF MINIMUMS: **Rwy 11**, std. w/min. climb of 235' per NM to 2800, or 2600-3 for climb in visual conditions.

Rwy 20, std. w/min. climb of 420' per NM to 3700, or 2600-3 for climb in visual conditions. **Rwy 29**, std. w/min. climb of 390' per NM to 2200, or 2600-3 for climb in visual conditions.

DEPARTURE PROCEDURE: **Rwy 2**, climb heading 015° to 1700, then climbing right turn direct EED VORTAC, thence . . .

Rwys 11, 20, climbing left turn direct EED VORTAC, thence . . .

Rwy 29, climbing right turn direct EED VORTAC, thence . . .

. . . Climb in EED holding pattern (hold NW, right turns, 139° inbound) to cross EED VORTAC at or above MEA for route of flight before proceeding on course. Or for climb in visual conditions cross Needles airport at or above 3400 before proceeding on course. When executing VCOA, notify ATC prior to departure.

NOTE: **Rwy 11**, terrain 20' from DER, 301' right of centerline, 920' MSL. **Rwy 20**, building 73' from DER, 451' left of centerline, 21' AGL/976' MSL. Windsock 181' from DER, 409' left of centerline, 23' AGL/972' MSL. Terrain beginning 295' from DER, 341' right of centerline up to 1079' MSL. **Rwy 29**, terrain 92' from DER, 328' left of centerline 1000' MSL.

NORTH ISLAND NAS (HALSEY FIELD) (KNZY)

SAN DIEGO, CA

TAKEOFF MINIMUMS AND (OBSTACLE)

DEPARTURE PROCEDURES

14037

DEPARTURE PROCEDURE: **Rwy 11**, diverse departures authorized 129° CW 182°. Cross DER at or above 25' AGL (51' MSL). Make immediate right turn to assigned heading within 1.4 DME of NZY TACAN to avoid over flying the City of Coronado. **Rwy 18**, diverse departures authorized 129° CW 175°. **Rwy 29**, diverse departures not authorized. Use published DP. **Rwy 36**, departure not authorized.

TAKE-OFF OBSTACLES: **Rwy 11**, Numerous trees left and right of runway centerline from 9' prior to DER to 2018', 33' MSL to 95' MSL. Golf ball fencing 74' AGL/88' MSL, 2226' from DER, 1215' left of centerline. Tree 8' inward of DER, 429' right of centerline, 48' AGL/74' MSL. Tree 11' from DER, 525' right of centerline, 46' AGL/73' MSL. Multiple trees 159' from DER, 433' right of centerline, 43' AGL/71' MSL. Tree 78' from DER, 371' right of centerline, 29' AGL/56' MSL. Tree 91' from DER, 460' right of centerline, 28' AGL/55' MSL. Palm 90' from DER, 468' right of centerline, 27' AGL/54' MSL. **Rwy 29**, Shipping Channel accommodating vessels up to 200' AGL (206' MSL with tidal range), starting 2577' from DER on centerline. Twin Towers 145' AGL/534' MSL, 1.4 NM from DER, 2645' left of centerline. Tower 479' MSL, 1.5 NM from DER, 1969' left of centerline. Tower 100' AGL/455' MSL, 1.5 NM from DER, 2054' left of centerline. Tower 120' AGL/544' MSL, 1139' from DER, 2.1 NM left of centerline.

14317



TAKEOFF MINIMUMS, (OBSTACLE) DEPARTURE PROCEDURES, AND DIVERSE VECTOR AREA (RADAR VECTORS)



OCEANSIDE, CA

OCEANSIDE MUNI (OKB)

TAKEOFF MINIMUMS AND (OBSTACLE)

DEPARTURE PROCEDURES

AMDT 4 94062 FAA

TAKEOFF MINIMUMS: **Rwy 6**, 400-1 or std. with a min. climb of 320' per NM to 500. **Rwy 24**, 300-1 or std. with a min. climb of 670' per NM to 300.

DEPARTURE PROCEDURE: **Rwy 6**, climbing right turn. **Rwy 24**, climbing left turn. All aircraft climb via heading 235° to 1500, then climbing right turn direct OCN VORTAC.

ONTARIO, CA

ONTARIO INTL (ONT)

TAKEOFF MINIMUMS AND (OBSTACLE)

DEPARTURE PROCEDURES

AMDT 8 11041 (FAA)

TAKEOFF MINIMUMS: **Rwys 8L, 8R**, std. w/ min. climb of 285' per NM to 3000.

DEPARTURE PROCEDURE: **Rwys 8L, 8R**, climb heading 076° to 2600 then climbing right turn direct PDZ VORTAC, thence . . . **Rwys 26L, 26R**, climb heading 256° to 2200 then climbing left turn direct PDZ VORTAC, thence . . .

. . . climb in PDZ holding pattern (hold NE, right turns, 210° inbound) to cross PDZ VORTAC at or above MEA for route of flight before proceeding on course.

NOTE: **Rwy 8L**, light pole 2045' from DER, 839' left of centerline, 40' AGL/990' MSL. Light pole 2042' from DER, 684' left of centerline, 40' AGL/988' MSL. Building 1606' from DER, 846' left of centerline, 25' AGL/975' MSL. Ground 81' from DER, 444' left of centerline, 936' MSL. **Rwy 26L**, OL on GS 125' from DER, 340' right of centerline, 40' AGL/982' MSL. Pole 755' from DER, 670' left of centerline, 40' AGL/964' MSL. Multiple trees beginning 1050' from DER, 708' left of centerline, up to 50' AGL/986' MSL. **Rwy 26R**, ground 30' from DER, 497' left of centerline, 951' MSL. Antenna on building 194' from DER, 396' left of centerline, 20' AGL/950' MSL. OL on DME 369' from DER, 263' left of centerline, 20' AGL/962' MSL. OL on LOC 381' from DER, 1' right of centerline, 10' AGL/953' MSL. Multiple light poles beginning 484' from DER, 371' left to 543' right of centerline, up to 40' AGL/986' MSL. Multiple poles beginning 580' from DER, 610' left to 767' right of centerline, up to 30' AGL/986' MSL. Railroad 893' from DER, 595' left of centerline, 23' AGL/990' MSL. Multiple trees beginning 1672' from DER, 1140' right of centerline, up to 40' AGL/1 030' MSL.

DIVERSE VECTOR AREA (RADAR VECTORS)

AMDT 1 14289 (FAA)

Rwy 8L, headings as assigned by ATC; requires minimum climb of 280' per NM to 2900. **Rwy 8R**, headings as assigned by ATC; requires minimum climb of 285' per NM to 2900. **Rwys 26L, 26R**, headings as assigned by ATC.