INSTRUMENT APPROACH PROCEDURE CHARTS

IFR ALTERNATE AIRPORT MINIMUMS

Standard alternate minimums for non-precision approaches and approaches with vertical guidance [NDB, VOR, LOC, TACAN, LDA, SDF, VOR/DME, ASR, RNAV (GPS) or RNAV (RNP)] are 800-2. Standard alternate minimums for precision approaches (ILS, PAR, or GLS) are 600-2. Airports within this geographical area that require alternate minimums other than standard or alternate minimums with restrictions are listed below. NA - means alternate minimums are not authorized due to unmonitored facility, absence of weather reporting service, or lack of adequate navigation coverage. Civil pilots see FAR 91. IFR Alternate Minimums: Ceiling and Visibility Minimums not applicable to USA/USN/USAF. Pilots must review the IFR Alternate Minimums Notes for alternate airfield suitability.

NAME ALTERNATE MINIMUMS

ADAK ISLAND, AK

ADAK (ADK) ..... **NDB/DME Rwy 23[1]**
RNAV (GPS) Rwy 23[2]

[1]Categories A, B, 1600-2; Categories C, D, 1600-3.
[2]Categories A, B, C, 1300-3; Category D, 1600-3.

AKHIOK, AK

AKHIOK (AKK) ..... **RNAV (GPS)-A**
NA when local weather not available.

AKUTAN, AK

ATUKAN (7AK) ..... **RNAV (GPS)-A[12]**
RNAV (GPS) Rwy 9[2]
RNAV (GPS) Rwy 27[3]

[1]NA when local weather not available.
[2]Category A, 900-2; Category B, 1100-2; Category C, 1500-3; Category D, 1900-3.
[3]Category A, 1100-2; Category B, 1100-2; Category C, 1500-3; Category D, 1900-3.

ALLEN AAF

DELTA JUNCTION/
FORT GREELY, AK ..... Orig B 08325
ILS or LOC/DME Rwy 10
NA when control tower closed.

ANAKTUVUK PASS, AK

ANAKTUVUK PASS (AKP) ..... **RNAV (GPS)-A**
Categories A, B, 4000-2; Categories C, D, 4000-3.

NAME ALTERNATE MINIMUMS

ANCHORAGE, AK

MERRILL FIELD (MRI) ..... **RNAV (GPS)-A**
NA when local weather not available.

TED STEVENS ANCHORAGE
INTL (ANC) ..... **ILS or LOC/DME Rwy 7L**
ILS or LOC/DME Rwy 7R
ILS, Category D, 700-2; Category E, 800-2¾.
LOC, Category E, 800-2¾.

ANIAK, AK

ANIAK (ANI) ..... **ILS or LOC Rwy 11[3]**
NDB/DME Rwy 29[12]
RNAV (GPS) Rwy 11[1]
RNAV (GPS) Rwy 29[2]

[1]Category C, 800-2¼; Category D, 1200-3.
[2]NA when local weather not available.
[3]ILS, Categories A, B, 800-2; Category C, 800-2¼ ; Category D, 1200-3; LOC, Category C, 800-2¼; Category D, 1200-3.

ANVIK, AK

ANVIK (ANV) ..... **RNAV (GPS) Rwy 17**
RNAV (GPS) Rwy 35
NA when local weather not available.

ATKA, AK

ATKA (AKA) ..... **RNAV (GPS)-A**
Categories A, B, 1300-2; Category C, 1300-3.

ATQASUK, AK

ATQASUK EDWARD BURNELL SR
MEMORIAL (ATK) ..... **NDB Rwy 6**
RNAV (GPS) Rwy 6
RNAV (GPS) Rwy 24
NA when local weather not available.

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NAME ALTERNATE MINIMUMS

BARROW, AK
WILEY POST-WILL ROGERS
MEMORIAL (BRW).....**ILS or LOC/DME Rwy 7**
LOC/DME BC Rwy 25
RNAV (GPS) Rwy 7
RNAV (GPS) Rwy 25
VOR/DME Rwy 25
NA when local weather not available.

BETTLES, AK
BETTLES (BTT) ..... **RNAV (GPS) Rwy 19**
Category D, 800-2¼.

BUCKLAND, AK
BUCKLAND (BVK) .....**NDB/DME Rwy 11**
NDB/DME Rwy 29
RNAV (GPS) Rwy 11
RNAV (GPS) Rwy 29
NA when local weather not available.

CHEVAK, AK
CHEVAK (VAK) ..... **RNAV (GPS) Rwy 2**
RNAV (GPS) Rwy 20
NA when local weather not available.

CORDOVA, AK
MERLE K (MUDHOLE)
SMITH (CDV) .....**ILS or LOC/DME Rwy 27**
RNAV (GPS) Rwy 27
NA when local weather not available.

DEADHORSE, AK
DEADHORSE (SCC).....**ILS or LOC/DME Rwy 5**
RNAV (GPS) Y Rwy 5
RNAV (GPS) Y Rwy 23
VOR/DME Rwy 5
VOR/DME Rwy 23
VOR Rwy 5
VOR Rwy 23
NA when local weather not available.

DEERING, AK
DEERING (DEE) ..... **RNAV (GPS) Rwy 2**
RNAV (GPS) Rwy 11
RNAV (GPS) Rwy 20
RNAV (GPS) Rwy 29
Category C, 800-2¼.

DILLINGHAM, AK
DILLINGHAM (DLG).....**LOC/DME Rwy 19**
RNAV (GPS) Rwy 1
RNAV (GPS) Rwy 19
VOR Rwy 1
NA when local weather not available.

NAME ALTERNATE MINIMUMS

EAGLE, AK
EAGLE (EAA) ..... **RNAV (GPS)-A**
NA when local weather not available.
Categories A, B, 1900-2; Category C, 1900-3.

EMMONAK, AK
EMMONAK (ENM) .....**RNAV (GPS) Rwy 16**
RNAV (GPS) Rwy 34
VOR Rwy 16
NA when local weather not available.

FAIRBANKS, AK
FAIRBANKS INTL (FAI) .....**ILS or LOC Rwy 2L**[2]
ILS or LOC Rwy 20R[1]
VOR/DME or TACAN Rwy 20R[3]
[1]ILS, LOC, Categories A, B, 1600-2; Categories C, D, E, 1600-3.
[2]ILS, Category E, 700-2¼. LOC, Category E, 800-2¼.
[3]Category E, 800-2¼.

GALENA, AK
EDWARD G
PITKA SR (GAL) .....**RNAV (GPS) Rwy 7**
RNAV (GPS) Rwy 25
NA when local weather not available.

GAMBELL, AK
GAMBELL (GAM).....**NDB/DME Rwy 34**[1]
NDB Rwy 16[2]
RNAV (GPS) Rwy 16[34]
RNAV (GPS) Rwy 34[45]
[1]Categories A, B, 900-2; Category C, 900-2½; Category 900-2¾.
[2]Categories A, B, 1000-2; Categories C, D, 1000-3.
[3]Categories C, D, 900-2½.
[4]NA when local weather not available.
[5]Categories A, B, 1000-2; Category C, 1000-2¾; Category D, 1000-3.

GUSTAVUS, AK
GUSTAVUS (GST)..... **RNAV (GPS) Rwy 29**[2]
VOR/DME Rwy 29[1]
[1]Categories A, B, 1300-2; Categories C, D, 1300-3.
[2]Category C, 1000-2¾; Category D, 1200-3.

HOLY CROSS, AK
HOLY CROSS (HCA)..... **RNAV (GPS) Rwy 1**[1]
RNAV (GPS) Rwy 19[2]
NA when local weather not available.
[1]Categories A, B, 900-2; Category C, 900-2½; Category D, 900-2¾.
[2]Categories A, B, 1000-2; Category C, 1000-2¾; Category D, 1000-3.

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NAME ALTERNATE MINIMUMS

HOMER, AK

HOMER (HOM) ..... **LOC/DME Rwy 4**
LOC/DME BC Rwy 22
RNAV (GPS) Y Rwy 4
RNAV (GPS) Y Rwy 22

Category D, 800-2¼.

HOOPER BAY, AK

HOOPER BAY (HPB) ..... **RNAV (GPS) Rwy 13**
RNAV (GPS) Rwy 31
VOR/DME Rwy 31

NA when local weather not available.

IGIUGIG, AK

IGIUGIG (IGG) ..... **RNAV (GPS) Rwy 5**
RNAV (GPS) Rwy 23

NA when local weather not available.

JUNEAU, AK

JUNEAU INTL (JNU) ..... **LDA X Rwy 8**

Day, All Categories, 3200-5; Night Category A, 3200-5; Categories B, C, D, 3200-10.

KAKE, AK

KAKE (AFE) ..... **NDB/DME Rwy 11[1]**
RNAV (GPS) Rwy 11[2]

NA when local weather not available.
[1]Categories A, B, 1000-2; Category C, 1000-2¾.
[2]Categories A, B, 1000-2; Category C, 1000-3.

KALSKAG, AK

KALSKAG (KLG) ..... **RNAV (GPS)-A**
RNAV (GPS) Rwy 6

NA when local weather not available.

KALTAG, AK

KALTAG (KAL) ..... **RNAV (GPS) Rwy 3[1]**
RNAV (GPS) Rwy 21[2]

[1]Category A, 1100-2; Categories B, C, 1100-3.
[2]Category C, 800-2¼.

KENAI, AK

KENAI MUNI (ENA) ..... **ILS or LOC Rwy 20R[1]**
RNAV (GPS) Rwy 2L
RNAV (GPS) Rwy 20R
VOR/DME Rwy 2L
VOR Rwy 20R

NA when local weather not available.
[1]ILS, Category D, 700-2.

NAME ALTERNATE MINIMUMS

KETCHIKAN, AK

KETCHIKAN INTL (KTN) ..... **ILS Y or LOC Y Rwy 11[1]**
ILS Z or LOC Z Rwy 11[1]
LOC X Rwy 11[2]

[1]LOC, Categories C, D, 800-2½.
[2]Category A, 2100-2; Category B, 2600-2; Category C, 3000-3; Category D, 3300-3.

KING COVE, AK

KING COVE (KVC) ..... **RNAV (GPS)-A**

Category A, 2000-6; Category B, 2100-6.

KING SALMON, AK

KING SALMON (AKN) ..... **ILS or LOC/DME Rwy 12[12]**
LOC/DME BC Rwy 30[124]
RNAV (GPS) Rwy 12[3]
RNAV (GPS) Rwy 30[3]
VOR/DME or TACAN Rwy 30[3]
VOR or TACAN Rwy 12[3]

[1]NA when local weather not available.
[2]NA when control tower closed.
[3]Category E, 800-2¼.
[4]Category E, 900-2¾.

KIVALINA, AK

KIVALINA (KVL) ..... **RNAV (GPS) Rwy 12**
RNAV (GPS) Rwy 30

NA when local weather not available.

KLAWOCK, AK

KLAWOCK (AKW) ..... **NDB/DME Rwy 2[1]**
RNAV (GPS) RWY 2[2]

[1]Categories A, B, 1100-2; Category C, 1100-3.
[2]Categories A, B, 1500-2, Category C, 1500-3.

KODIAK, AK

KODIAK (ADQ) ..... **ILS Y or LOC Y Rwy 26[1]**
RNAV (GPS) Rwy 26[24]
VOR Rwy 26[3]

[1]ILS, Category A, 600-2½; Category B 700-2½, Category C, 900-2½; Category D, 2000-3; LOC, Categories A, B 800-2½; Category C, 900-2½; Category D, 2000-3.
[2]Categories A, B, 800-3; Category C, 1000-3; Category D, 2000-3.
[3]Category C, 900-2½; Category D, 2000-3.
[4]NA when local weather not available.

KOLIGANEK, AK

KOLIGANEK (KZZ) ..... **RNAV (GPS) Rwy 9**
RNAV (GPS) Rwy 27

NA when local weather not available.

NAME ALTERNATE MINIMUMS

KOTZEBUE, AK

RALPH WIEN MEMORIAL (OTZ)..... **ILS or LOC/DME Rwy 9[1]**
RNAV (GPS) Rwy 9[2]
RNAV (GPS) Rwy 27[2]
VOR/DME Rwy 9[2]
VOR/DME Z Rwy 27[2]

NA when local weather not available.
[1]ILS, Category C, 800-2, Category D, 800-2¼; LOC, Category D, 800-2¼.
[2]Category D, 800-2¼.

KOYUK, AK

KOYUK ALFRED ADAMS (KKA)..... **NDB Rwy 1[1]**
RNAV (GPS) Rwy 1[2]

[1]Categories A, B, 900-2; Category C, 900-2¾.
[2]Category C, 800-2¼ .

MANOKOTAK, AK

MANOKOTAK (MBA) ..... **RNAV (GPS) Rwy 3**
RNAV (GPS) Rwy 21

NA when local weather not available.

MARSHALL, AK

MARSHALL DON HUNTER SR (MDM)..... **RNAV (GPS) Rwy 7[1]**
RNAV (GPS)-A[2]

NA when local weather not available.
[1]Categories A, B, 1000-2.
[2]Category B, 900-2.

MC GRATH, AK

MC GRATH (MCG)..... **LOC/DME Rwy 16**
RNAV (GPS) Rwy 16
VOR/DME-C

Category D, 900-2¾.

MEKORYUK, AK

MEKORYUK (MYU)..... **NDB-B**
RNAV (GPS) Rwy 5
RNAV (GPS) Rwy 23

Category D, 800-2¼ .

MINCHUMINA, AK

MINCHUMINA (MHM) ..... **NDB Rwy 3[1]**
RNAV (GPS) Rwy 3[2]
RNAV (GPS) Rwy 21[3]

[1]Categories A, B, 1000-2; Category C, 1000-2¾; Category D, 1000-3.
[2]Category D, 800-2¼ .
[3]Category C, 800-2¼ ; Category D, 800-2½.

NAME ALTERNATE MINIMUMS

MOUNTAIN VILLAGE, AK

MOUNTAIN VILLAGE (MOU) .....**RNAV (GPS) Rwy 2**
RNAV (GPS) Rwy 20

NA when local weather not available.

NENANA, AK

NENANA MUNI (ENN) .....**NDB Rwy 4L**
RNAV (GPS) Rwy 4L

NA when local weather not available.

NEW STUYAHOK, AK

NEW STUYAHOK (KNW) ...**RNAV (GPS) Rwy 14**
RNAV (GPS) Rwy 32

NA when local weather not available.

NOATAK, AK

NOATAK (WTK)..... **NDB/DME Rwy 1**

NA when local weather not available.

NOME, AK

NOME (OME)..... **ILS or LOC/DME Y Rwy 28[1]**
ILS or LOC/DME Z Rwy 28[1]
VOR Rwy 28[2]

[1]ILS, Category D, 700-2.
[2]Categories A, B, 1000-2; Category C, 1000-2¾; Category D, 1000-3.

NUIQSUT, AK

NUIQSUT (AQT) .....**RNAV (GPS) Rwy 5**
RNAV (GPS) Rwy 23

NA when local weather not available.

PALMER, AK

PALMER MUNI (PAQ) .....**RNAV (GPS) Rwy 9**
RNAV (GPS)-A

Category D, 800-2¼.
NA when local weather not available.

PERRYVILLE, AK

PERRYVILLE (PEV) .....**RNAV (GPS) Rwy 2**

NA except Cats A, B, 1600-2 for operators with approved weather reporting service.

PETERSBURG, AK

PETERSBURG JAMES A JOHNSON (PSG) .....**LDA/DME-D[1]**
RNAV (GPS)-B[2]

NA when local weather not available.
[1]Category A, 1700-5; Category B, 1800-5; Category C, 3000-5.
[2]Categories A, B, 2400-2; Category C, 3000-3.

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NAME ALTERNATE MINIMUMS

PILOT POINT, AK
PILOT POINT (PNP) ..... **RNAV (GPS) Rwy 7**
RNAV (GPS) Rwy 25
NA when local weather not available.

PLATINUM, AK
PLATINUM (PTU)..... **RNAV (GPS) Rwy 14**
NA when local weather not available.

PORT HEIDEN, AK
PORT HEIDEN (PTH) ..... **RNAV (GPS) Rwy 5**
RNAV (GPS) Rwy 13
NA when local weather not available.

QUINHAGAK, AK
QUINHAGAK (AQH)..... **RNAV (GPS) Rwy 12**
RNAV (GPS) Rwy 30
NA when local weather not available.

RUBY, AK
RUBY (RBY)..... **RNAV (GPS) Rwy 3**
RNAV (GPS) Rwy 21
NA when local weather not available.

RUSSIAN MISSION, AK
RUSSIAN
MISSION (RSH) ..... **RNAV (GPS) Rwy 17**
RNAV (GPS) Rwy 35[1]
NA when local weather not available.
[1]Categories A, B, 1400-2.

ST. GEORGE, AK
ST. GEORGE (PBV)..... **LOC/DME-C**[1]
RNAV (GPS) D[2]
[1]Category C, 900-2½; Category D, 900-2¾.
[2]Category C, 800-2¼.

ST. MARY'S, AK
ST. MARY'S (KSM) ..... **LOC/DME Rwy 17**
RNAV (GPS) Rwy 17
RNAV (GPS) Rwy 35
NA when local weather not available.

ST. MICHAEL, AK
ST. MICHAEL (SMK)..... **RNAV (GPS) Rwy 2**
RNAV (GPS) Rwy 20
NA when local weather not available.

NAME ALTERNATE MINIMUMS

ST. PAUL ISLAND, AK
ST. PAUL
ISLAND (SNP) ..... **ILS or LOC/DME Rwy 36**[1]
LOC/DME BC Rwy 18[3]
RNAV (GPS) Rwy 18[3]
RNAV (GPS) Rwy 36[4]
[1]ILS, Categories A, B, C, 800-2; Category D, 800-2¼. LOC, Category D, 800-2¼.
[2]NA when local weather not available.
[3]Category D, 800-2¼.
[4]Category C, 800-2¼; Category D, 800-2½.

SAND POINT, AK
SAND POINT (SDP) ..... **NDB Rwy 13**[1]
NDB/DME Rwy 31[2]
RNAV (GPS) Rwy 13[3]
[1]Categories A, B, 1800-2; Categories C, D, 1800-3.
[2]Categories A, B, 900-2; Category C, 900-2¾; Category D, 900-3.
[3]Categories A, B, 900-2; Category C, 900-2½; Category D, 900-2¾.

SAVOONGA, AK
SAVOONGA (SVA) ..... **RNAV (GPS) Rwy 5**
RNAV (GPS) Rwy 23
VOR Rwy 23
VOR/DME Rwy 23
NA when local weather not available.

SCAMMON BAY, AK
SCAMMON BAY (SCM).... **RNAV (GPS) Rwy 10**[1]
RNAV (GPS) Rwy 28[1]
RNAV (GPS)-B[2]
NA when local weather not available.
[1]Categories A, B, 1100-2.
[2]Categories A, B, 800-2¼.

SELAWIK, AK
SELAWIK (WLK) ..... **RNAV (GPS) Rwy 4**
RNAV (GPS) Y Rwy 22
RNAV (GPS) Z Rwy 22
RNAV (GPS) Rwy 27
VOR Rwy 4
VOR Rwy 22
NA when local weather not available.

SEWARD, AK
SEWARD (SWD)..... **RNAV (GPS)-A**
Categories A, B, 2700-2.

SHAKTOOLIK, AK
SHAKTOOLIK (2C7) ..... **RNAV (GPS) Rwy 14**
NA when local weather not available.
Category D, 800-2¼.

NAME ALTERNATE MINIMUMS

SHUNGNAK, AK
SHUNGNAK (SHG) ..... **RNAV (GPS) Rwy 9**
RNAV (GPS) Rwy 27
NA when local weather not available.

SITKA, AK
SITKA ROCKY
GUTIERREZ (SIT) ..... **LOC/DME Rwy 11[2]**
RNAV (GPS) Rwy 11[3]
VOR/DME-A[1]
[1]Categories A, B, C, 800-2¼; Category D, 1800-3.
[2]Category D, 1800-3.
[3]Categories A, B, 1600-2; Category C, 1600-3; Category D, 1800-3.

SOLDOTNA, AK
SOLDOTNA (SXQ) ..... **NDB Rwy 7[3]**
NDB Rwy 25[3]
RNAV (GPS) Rwy 7[2]
RNAV (GPS) Rwy 25[2]
VOR/DME-A[1]
NA when local weather not available.
[1]Category D, 800-2½.
[2]Category C, 800-2¼; Category D, 900-2¾.
[3] Category C, 800-2½; Category D, 900-2¾.

SOUTH NAKNEK, AK
SOUTH NAKNEK
NR 2 (WSN) ..... **RNAV (GPS) Rwy 13**
RNAV (GPS) Rwy 31
NA when local weather not available

TALKEETNA, AK
TALKEETNA (TKA) ..... **NDB Rwy 36[1]**
RNAV (GPS) Rwy 36
VOR/DME Rwy 36[2]
VOR-A[2]
NA when local weather not available.
[1]Categories A, B, 1000-2; Categories C, D, 1000-3.
[2]Category D, 800-2¼.

TANANA, AK
RALPH M CALHOUN
MEMORIAL (TAL) ..... **RNAV (GPS) Rwy 7**
NA when local weather not available.

TOGIAK VILLAGE, AK
TOGIAK (TOG) ..... **NDB-B**
Categories A, B, 900-2; Category C, 900-2½; Category D, 900-2¾.

TOKSOOK BAY, AK
TOKSOOK BAY (OOK) ..... **RNAV (GPS) Rwy 34**
NA when local weather not available.

NAME ALTERNATE MINIMUMS

UNALAKLEET, AK
UNALAKLEET (UNK) ..... **LOC/DME Rwy 15**
RNAV (GPS)-A
RNAV (GPS) Y Rwy 33
RNAV (GPS) Z Rwy 33
VOR/DME-D, 800-4
NA when local weather not available.

UNALASKA, AK
UNALASKA (DUT) ..... **NDB-A[1]**
RNAV (GPS)-B[2]
NA when local weather not available.
[1]Categories A, B, 2900-2; Categories C, D, 2900-3.
[2]Categories A, B, 2000-3; Category C, 2300-3, Category D, 2500-3.

VALDEZ, AK
VALDEZ PIONEER
FIELD (VDZ) ..... **LDA/DME-H**
Categories A, B, C, D, 4400-5.

WAINWRIGHT, AK
WAINWRIGHT (AWI) ..... **NDB Rwy 5**
NDB Rwy 23
RNAV (GPS) Rwy 5
RNAV (GPS) Rwy 23
NA when local weather not available.

WASILLA, AK
WASILLA (IYS) ..... **RNAV (GPS) Rwy 4**
RNAV (GPS) Rwy 22
NA when local weather not available.

WHITE MOUNTAIN, AK
WHITE
MOUNTAIN (WMO) ..... **RNAV (GPS) Rwy 15**
RNAV (GPS) Rwy 33
NA when local weather not available.

WRANGELL, AK
WRANGELL (WRG) ..... **LDA/DME-C[1]**
LDA/DME-D[2]
RNAV (GPS) Rwy 10[3]
[1]Categories A, B, 1600-3; Category C, 2500-3.
[2]Category D, 3300-3.
[3]Categories A, B, 2100-2½, Category C, 2500-3.

NAME	ALTERNATE MINIMUMS	NAME	ALTERNATE MINIMUMS
YAKUTAT, AK			
YAKUTAT (YAK)	**ILS or LOC/DME Rwy 11[1]**		
	LOC/DME BC Rwy 29[2]		
	RNAV (GPS) Rwy 2[2]		
	RNAV (GPS) Rwy 11[2]		
	RNAV (GPS) Rwy 29[2]		
	VOR/DME Rwy 29[2]		

[1]ILS, Category D, 700-2¼. LOC, Category D, 800-2¼.
[2]Category D, 800-2¼.

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

INSTRUMENT APPROACH PROCEDURE CHARTS

IFR TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

Civil Airports and Selected Military Airports

ALL USERS: Airports that have Departure Procedures (DPs) designed specifically to assist pilots in avoiding obstacles during the climb to the minimum enroute altitude, and/or airports that have civil IFR takeoff minimums other than standard, are listed below. Takeoff Minimums and Departure Procedures apply to all runways unless otherwise specified. Altitudes, unless otherwise indicated, are minimum altitudes in MSL.

DPs specifically designed for obstacle avoidance are referred to as Obstacle Departure Procedures (ODPs) and are textually described below, or published separately as a graphic procedure. If the ODP is published as a graphic procedure, its name will be listed below, and it can be found in either this volume (civil), or the applicable military volume, as appropriate. Users will recognize graphic obstacle DPs by the term "(OBSTACLE)" included in the procedure title; e.g., TETON TWO (OBSTACLE). If not specifically assigned an ODP, SID, or radar vector as part of an IFR clearance, an ODP may be required to be flown for obstacle clearance, even though not specifically stated in the IFR clearance. When doing so in this manner, ATC should be informed when the ODP being used contains a specified route to be flown, restrictions before turning, and/or altitude restrictions.

Some ODPs, which are established solely for obstacle avoidance, require a climb in visual conditions to cross the airport, a fix, or a NAVAID in a specified direction, at or above a specified altitude. These procedures are called Visual Climb Over Airport (VCOA). To ensure safe and efficient operations, the pilot must verbally request approval from ATC to fly the VCOA when requesting their IFR clearance.

At some locations where an ODP has been established, a diverse vector area (DVA) may be created to allow radar vectors to be used in lieu of an ODP. DVA information will state that headings will be as assigned by ATC and climb gradients, when applicable, will be published immediately following the specified departure procedure.

Graphic DPs designed by ATC to standardize traffic flows, ensure aircraft separation and enhance capacity are referred to as "Standard Instrument Departures (SIDs)". SIDs also provide obstacle clearance and are published under the appropriate airport section. ATC clearance must be received prior to flying a SID.

CIVIL USERS NOTE: Title 14 Code of Federal Regulations Part 91 prescribes standard takeoff rules and establishes takeoff minimums for certain operators as follows: (1) For aircraft, other than helicopters, having two engines or less – one statute mile visibility. (2) For aircraft having more than two engines – one-half statute mile visibility. (3) For helicopters – one-half statute mile visibility. These standard minima apply in the absence of any different minima listed below.

MILITARY USERS NOTE: Civil (nonstandard) takeoff minima are published below. For military takeoff minima, refer to appropriate service directives.

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NAME TAKEOFF MINIMUMS

ADAK ISLAND, AK

ADAK (ADK) (PADK)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 2 08213 (FAA)

TAKEOFF MINIMUMS: **Rwy 5,** Std. w/ min. climb of 370 feet per NM to 4400, or 4400-3 for climb in visual conditions. **Rwy 18,** NA-obstacles. **Rwy 23**, Std. w/ min. climb of 622 feet per NM to 4600, or 4400-3 for climb in visual conditions. **Rwy 36,** NA-obstacles.

DEPARTURE PROCEDURE: **Rwy 5,** Climb via 054° bearing from ADK NDB/DME to 4400, then climbing right turn to 5600 direct ADK NDB/DME. Continue climb in ADK NDB/DME holding pattern (hold, NE, RT, 234° inbound) to cross ADK NDB/DME at or above MEA/MCA for route of flight, or for climb in visual conditions: Cross ADK NDB/DME at or above 5600 before proceeding on course. **Rwy 23,** Climb to 4600 direct ADK NDB/DME and via 234° bearing from ADK NDB/DME then climbing left turn to 5600 direct ADK NDB/DME, continue climb in ADK NDB/DME holding pattern (hold, NE, RT, 234° inbound) to cross ADK NDB/DME at or above MEA/MCA for route of flight, or for climb in visual conditions: cross ADK NDB/DME at or above 5600 before proceeding on course.

NOTE: **Rwy 5,** Rising terrain beginning 39' from DER, 470' left of centerline, up to 50' MSL. Rising terrain beginning 68' from DER, 244' right of centerline, up to 23' MSL. **Rwy 23,** Rising terrain beginning 17' from DER, 356' right of centerline, up to 283' MSL. Bush 1.8NM from DER, 1470' right of centerline, up to 10' AGL/507' MSL. Bush 2 NM from DER, 20' left of centerline, up to 10' AGL/504' MSL. Bush 3766' from DER, 142' right of centerline, 10' AGL/310' MSL.

NAME TAKEOFF MINIMUMS

AKHIOK, AK

AKHIOK (AKK) (PAKH)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

ORIG 07130 (FAA)

TAKEOFF MINIMUMS: **Rwy 22,** N/A-obstacles.

DEPARTURE PROCEDURE: **Rwy 4,** use JOGMO DEPARTURE.

AKIAK, AK

AKIAK (AKI) (PFAK)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

ORIG 09239 (FAA)

DEPARTURE PROCEDURE: Use AKIAK DEPARTURE.

AKUTAN, AK

AKUTAN (7AK) (P7AK)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

ORIG 13346 (FAA)

TAKEOFF MINIMUMS: **Rwys 9, 27,** 3200-2½ for climb in visual conditions.

DEPARTURE PROCEDURE: **Rwys 9, 27,** for climb in visual conditions: cross Akutan airport at or above 3200' MSL before proceeding on course. When executing VCOA, notify ATC prior to departure.

NOTE: **Rwy 9**, rising terrain beginning 91' from DER, 396' right of centerline, up to 163' MSL. Rising terrain beginning 2039' from DER, 923' left of centerline, up to 263' MSL. **Rwy 27**, rising terrain beginning 8' from DER, 495' left of centerline, up to 115' MSL. Rising terrain beginning 1796' from DER, 727' left of centerline, up to 182' MSL.

ALLAKAKET, AK

ALLAKAKET (6A8) (PFAL)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 2 13234 (FAA)

DEPARTURE PROCEDURE: **Rwy 5,** climb heading 052° to 1500 before turning left. **Rwy 23,** climb heading 232° to 1300 before turning.

NOTE: **Rwy 5,** tree 799' from DER, 606' right of centerline, 83' AGL/532' MSL. Tree 1297' from DER, 664' right of centerline, 85' AGL/534' MSL. Tree 2007' from DER, 342' right of centerline, 49' AGL/498' MSL.

ALLEN AAF (PABI)

DELTA JUNCTION/FORT GREELY, AK

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 4A 11125

DEPARTURE PROCEDURE: **Rwys 19, 28,** climbing right turn via heading 332° and BIG VORTAC R-287 to 3500, thence... **Rwys 1, 10,** climbing left turn via heading 242° and BIG VORTAC R-287 to 3500, thence...

...for V444 westbound departures continue on course, all others turn right direct BIG VORTAC or DJN NDB and proceed via airway radials/bearings on course.

TAKEOFF OBSTACLES: **Rwy 1,** multiple trees and fence beginning 46' from DER, 326' right of centerline, up to 59' AGL/1284' MSL. **Rwy 10,** multiple trees, fence, and REILS beginning 41' from DER, left and right of centerline, up to 70' AGL/1331' MSL. **Rwy 19,** multiple trees and power poles beginning 415' from DER, left and right of centerline, up to 46' AGL/1337' MSL. **Rwy 28,** multiple trees and REILS beginning 4' from DER, left and right of centerline, up to 47' AGL/1301' MSL.

AMBLER, AK

AMBLER (AFM) (PAFM)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

ORIG-A 14093 (FAA)

TAKEOFF MINIMUMS: **Rwys 9, 27,** NA - obstacles.

DEPARTURE PROCEDURE: **Rwy 36**, turn right. **Rwy 18**, turn left, climb southeast bound on 156° bearing from AMF NDB to 2000, then climb on course.

ANAKTUVUK PASS, AK

ANAKTUVUK PASS (AKP) (PAKP)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 1 08101 (FAA)

TAKEOFF MINIMUMS: **Rwy 20,** NA-obstacles.

DEPARTURE PROCEDURE: **Rwy 2,** Use AKUMY DEPARTURE (RNAV).

ANCHORAGE, AK

TED STEVENS ANCHORAGE INTL (ANC) (PANC)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 7A 13010 (FAA)

TAKEOFF MINIMUMS: **Rwy 7L**, 300-1¼, w/min. climb of 230' per NM to 1600 or std. w/min. climb of 255' per NM to 1600.

DEPARTURE PROCEDURE: **Rwys 7L, 7R, 15**, climbing right turn heading 250°, thence ...

Rwys 25L, 25R, climbing left turn heading 180°, thence...

Rwy 33, climbing left turn heading 160°, thence ...

... intercept TED R-211 and ENA R-028 to ENA VOR/DME before proceeding on course.

NOTE: **Rwy 7L,** NAVAID 10' from DER, 56' left of centerline, 2' AGL/92' MSL. Multiple poles beginning 1407' from DER, 608' left of centerline, up to 186' AGL/272' MSL. Trees beginning 787' from DER, 31' left of centerline, up to 60' AGL/ 162' MSL. Bush 10' from DER, 493' right of centerline, 4' AGL/95' MSL. Trees and poles beginning 1172' from DER, 10' right of centerline, up to 60' AGL/158' MSL. **Rwy 7R,** terrain beginning 3' from DER, 168' right of centerline, up to 112' MSL. Sign, post, bush, and poles, beginning 107' from DER, 462' right of centerline, up to 20' AGL/132' MSL. Trees beginning 1044' from DER, 575' right of centerline, up to 60' AGL/ 249' MSL. **Rwy 15,** terrain, bushes and NAVAID beginning 10' from DER, 64' right of centerline, up to 5' AGL/125' MSL. Antenna, antenna on obstruction light tower and NAVAID beginning 2212' from DER, 1020' left of centerline, up to 103' AGL/227' MSL. Trees beginning 1166' from DER, left and right of centerline, up to 60' AGL/269' MSL. **Rwy 25L,** multiple NAVAID items beginning 4' from DER, on centerline, up to 3' AGL/135' MSL. Fences, trees and bushes beginning 12' from DER, 385' left of centerline, up to 60' AGL/ 200' MSL. Trees beginning 396' from DER, on centerline and to the right of centerline, up to 60' AGL/177' MSL. **Rwy 25R,** bush and NAVAID beginning 10' from DER, 56' right of centerline, up to 3' AGL/129' MSL. **Rwy 33,** trees, bush and NAVAID beginning 10' from DER, 85' left of centerline, up to 60' AGL/182' MSL. Trees beginning 390' from DER, 326' right of centerline, up to 60' AGL/232' MSL.

DIVERSE VECTOR AREA (RADAR VECTORS)

AMDT 1 15288 (FAA)

Rwy 7L, heading as assigned by ATC; requires minimum climb of 260' per NM to 600. **Rwys 7R, 15, 25L, 25R, 33**, heading as assigned by ATC.

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ANCHORAGE, AK (CON'T)

MERRILL FIELD (MRI) (PAMR)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 1B 15344

TAKEOFF MINIMUMS: **Rwys 5, 23,** NA - ATC. **Rwy 7,** std. w/min. climb of 315' per NM to 2000. **Rwy 16,** std. w/min. climb of 306' per NM to 2000. **Rwy 25,** 300-1½ or std. w/min. climb of 340' per NM to 2000.

DEPARTURE PROCEDURE: **Rwy 7,** climbing right turn to 2000 direct TED VOR/DME, thence... **Rwy 16,** climbing right turn to 2000 direct TED VOR/DME, thence... **Rwy 25,** climbing left turn to 2000 direct TED VOR/DME, thence ... **Rwy 34,** climbing left turn to 2000 direct TED VOR/DME, thence... …climb in TED VOR/DME holding pattern (hold SW, left turns, 068° inbound) to MEA/MCA for route of flight before proceeding on course.

NOTE: **Rwy 7,** multiple trees beginning 718' from DER, 79' left of centerline, up to 29' AGL/165' MSL. Terrain 109' from DER, 280' left of centerline, up to 145' MSL. Terrain 403' from DER, 584' left of centerline, up to 150' MSL. Rod on hangar 165' from DER, 363' right of centerline, 32' AGL/168' MSL. **Rwy 16,** multiple trees beginning 96' from DER, 149' right of centerline, up to 54' AGL/193' MSL. Obstruction light on windsock, 14' from DER, 199' left of centerline, 7' AGL/131' MSL. **Rwy 25,** multiple buildings and towers beginning 273' from DER, 228' left of centerline, up to 293' AGL/403' MSL. Multiple buildings and towers beginning 343' from DER, 358' right of centerline, up to 285' AGL/383' MSL. Building 1.2 NM from DER, 228' left of centerline, 313' AGL/408' MSL. Multiple lights on poles and buildings, beginning 19' from DER, 370' right of centerline, up to 55' AGL/180' MSL. Multiple trees beginning 765' from DER, 48' right of centerline, up to 39' AGL/165' MSL. Multiple transmission poles beginning 2011' from DER, crossing left to right, up to 72' AGL/196' MSL. Fence 210' from DER, 79' left of centerline, 7' AGL/131' MSL. **Rwy 34,** fence 2' from DER, 349' left of centerline, 7' AGL/131' MSL. Multiple trees and light poles beginning 451' from DER, 106' left of centerline, up to 33' AGL/157' MSL. Antenna on hangar 503' from DER, 261' right of centerline, 49' AGL/173' MSL. Building 1071' from DER, 345' right of centerline, 78' AGL/ 178' MSL.

ANIAK, AK

ANIAK (ANI) (PANI)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 3 16147 (FAA)

TAKEOFF MINIMUMS: **Rwy 29,** std. w/min. climb of 275' per NM to 800 or 2500-3 for VCOA.

DEPARTURE PROCEDURE: **Rwy 11**, climb heading 109° to 2000 then climbing right turn direct ANI NDB before proceeding on course. **Rwy 29,** climb heading 289° to 2200 before turning northeast bound.

VCOA: **Rwy 29,** obtain ATC approval for VCOA when requesting IFR clearance. Climb in visual conditions to cross Aniak airport at or above 2400 before proceeding on course.

NOTE: **Rwy 11,** catenary and poles abeam DER, 391' right of centerline, 28' AGL/118' MSL. Fence beginning abeam DER, 321' right of centerline, up to 8' AGL/100' MSL. Vehicle on road abeam DER, 215' right of centerline, up to 110' MSL. Vehicle on road abeam DER, 351' left of centerline, up to 105' MSL. Poles beginning 374' from DER, 481' left of centerline, up to 38' AGL/133' MSL. Tower 360' from DER, 444' right of centerline, 71' AGL/142' MSL. Trees beginning 39' from DER, 392' left of centerline, up to 62' AGL/155' MSL. Trees beginning 98' from DER, 238' right of centerline, up to 50' AGL/164' MSL. Buildings beginning 153' from DER, 282' right of centerline, up to 42' AGL/112' MSL. Buildings beginning 85' from DER, 423' left of centerline, up to 27' AGL/120' MSL. **Rwy 29,** vehicle on road beginning 5' from DER, 358' right of centerline, 15' AGL/104' MSL. Trees beginning 9' from DER, 168' right of centerline, up to 47' AGL/141' MSL. Trees beginning 761' from DER, 463' left of centerline, up to 54' AGL/141' MSL. Trees beginning 2.0 NM from DER, 958' right of centerline, up to 52' AGL/467' MSL. Trees beginning 2.3 NM from DER, 2380' right of centerline, up to 38' AGL/609' MSL. Trees beginning 2.5 NM from DER, 3487' right of centerline, up to 28' AGL/592' MSL. Trees beginning 2.7 NM from DER, from 313' left to 742' left of centerline, up to 42' AGL/546' MSL.

ANVIK, AK

ANVIK (ANV) (PANV)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

ORIG 08269 (FAA)

NOTE: **Rwy 17,** multiple trees beginning 56' from DER, 30' left of centerline, up to 50' AGL/436' MSL. Multiple trees beginning 87' from DER, 38' right of centerline, up to 50' AGL/349' MSL. **Rwy 35,** Multiple trees beginning 93' from DER, 129' left of centerline, up to 50' AGL/349' MSL. Multiple trees beginning 8' from DER, 10' right of centerline, up to 50' AGL/366' MSL.

ARCTIC VILLAGE, AK

ARCTIC VILLAGE (ARC) (PARC)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

ORIG 06047 (FAA)

DEPARTURE PROCEDURE: Use TUVVO DEPARTURE.

ATKA, AK

ATKA (AKA) (PAAK)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 1 10210 (FAA)

DEPARTURE PROCEDURE: **Rwy 16,** use HIMKI DEPARTURE. **Rwy 34,** use INOTY DEPARTURE.

ATQASUK, AK

ATQASUK EDWARD BURNELL SR MEMORIAL (ATK) (PATQ)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

ORIG 10210 (FAA)

NOTE: **Rwy 6,** trees beginning 11' from DER, 433' right of centerline up to 15' AGL/114' MSL. **Rwy 24,** trees beginning 6' from DER, 449' left of centerline up to 15' AGL/114' MSL.

BARROW, AK

WILEY POST-WILL ROGERS MEMORIAL (BRW) (PABR)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

ORIG-A 15232 (FAA)

NOTE: **Rwy 7,** navaids 8' from DER, from 81' left to 81' right of centerline up to 2' AGL/38' MSL. Navaid 243' from DER on centerline, 32' AGL/46' MSL. **Rwy 25,** road 139' from DER, 464' left of centerline, 17' AGL/63' MSL. Road 231' from DER, 547' right of centerline, 17' AGL/60' MSL. Pole 468' from DER, 551' right of centerline, 68' AGL/72' MSL.

BEAVER, AK

BEAVER (WBQ) (PAWB)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

ORIG 09239 (FAA)

NOTE: **Rwy 5,** multiple trees beginning 229' from DER, 262' right of centerline, up to 60' AGL/419' MSL. Multiple trees beginning 1263' from DER, 373' right of centerline, up to 60' AGL/419' MSL. Vehicle on road 392' from DER, 9' right of centerline, 10' AGL/369' MSL. **Rwy 23,** multiple trees beginning 1259' from DER, 374' right of centerline, up to 60' AGL/419' MSL. Multiple trees beginning 1277' from DER, 366' left of centerline, up to 60' AGL/419' MSL.

BETHEL, AK

BETHEL (BET) (PABE)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 3 09183 (FAA)

TAKEOFF MINIMUMS: **Rwy 30,** 1¼ or std. w/ min. climb of 245' per NM to 400.

NOTE: **Rwy 1L,** tree 6' from DER, 218' right of centerline, 35' AGL/105' MSL. Tree 210' from DER, 251' left of centerline, 35' AGL/111' MSL. **Rwy 1R,** tree 125' from DER, 452' left of centerline, 35' AGL/125' MSL. **Rwy 12,** multiple trees beginning 508' from DER, 129' left of centerline, up to 35' AGL/144' MSL. **Rwy 19L,** multiple trees beginning 21' from DER, 175' right of centerline, up to 35' AGL/130' MSL. **Rwy 19R,** multiple trees beginning 21' from DER, 313' left of centerline, up to 35' AGL/130' MSL. **Rwy 30,** tree 95' from DER, 140' right of centerline, 35' AGL/128' MSL. Multiple towers 5771' from DER, 65' right of centerline, up to 147' AGL/297' MSL.

BETTLES, AK

BETTLES (BTT) (PABT)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 2 07242 (FAA)

TAKEOFF MINIMUMS: **Rwy 1,** std. w/ min. climb of 400' per NM to 2500 or 3100-2½ for climb in visual conditions.

DEPARTURE PROCEDURE: **Rwy 1,** climb heading 012° to 2500 then climbing left turn to 3600 direct BTT VOR/DME. Climb in BTT VOR/DME holding pattern (hold south, left turn, 338° inbound) to cross BTT VOR/DME at or above 3600 or as directed by ATC. For climb in visual conditions: cross Bettles VOR/DME at or above 3600 MSL before proceeding on course. **Rwy 19,** climb heading 192° to 1800 then climbing left turn to 3600 direct BTT VOR/DME. Climb in BTT VOR/DME holding pattern (hold south, left turn, 338° inbound) to cross BTT VOR/DME at or above 3600 or as directed by ATC.

NOTE: **Rwy 1,** multiple trees beginning 450' from DER, 267' right of centerline, up to 47' AGL/691' MSL. Multiple trees beginning 80' from DER, 148' left of centerline, up to 16' AGL/664' MSL. Antenna on building 395' from DER, 161' right of centerline, 14' AGL/658' MSL, DME antenna 412' from DER, 205' right of centerline, 12' AGL/656' MSL. **Rwy 19,** multiple trees beginning 140' from DER, 94' right of centerline up to 38' AGL/670' MSL. Multiple trees beginning 286' from DER, 152' left of centerline, up to 26' AGL/658' MSL.

BIG LAKE, AK

BIG LAKE (BGQ) (PAGQ)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 2 12040 (FAA)

TAKEOFF MINIMUMS: **Rwy7,** 300-1 w/ min. climb of 310' per NM to 700, or 900-2½ for climb in visual conditions. **Rwy 25,** 400-2 or std. w/min. climb of 320' per NM to 700.

DEPARTURE PROCEDURE: **Rwy 7,** climbing left turn to BGQ VORTAC, thence..., or for climb in visual conditions cross Big Lake Airport at or above 900 then proceed direct BGQ VORTAC, thence... **Rwy 25,** climbing right turn direct BGQ VORTAC, thence...

...climb in BGQ VORTAC holding pattern (hold S, left turn, 356° inbound) to MCA/MEA for route of flight.

NOTE: **Rwy 7,** bushes beginning 33' from DER, 335' left of centerline, up to 10' AGL/259' MSL. Multiple trees beginning 1150' from DER, 310' left of centerline, up to 60' AGL/409' MSL. Multiple trees beginning 2265' from DER, 708' right of centerline, up to 60' AGL/309' MSL. **Rwy 25,** trees beginning 33' from DER, 109' left of centerline, up to 60' AGL/259' MSL. Trees beginning 960' from DER, 185' right of centerline, up to 60' AGL/259' MSL.

BREVIG MISSION, AK

BREVIG MISSION (KTS) (PFKT)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

ORIG 14149 (FAA)

TAKEOFF MINIMUMS: **Rwy 4,** NA-Terrain.

DEPARTURE PROCEDURE: **Rwys 12,22,30,** use BREVIG DEPARTURE.

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BRYANT AAF (FRN) (PAFR)

FORT RICHARDSON (ANCHORAGE), AK

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

ORIG, 15120

TAKE-OFF MINIMUMS: **Rwy 17,** NA-Airspace.

DEPARTURE PROCEDURE: **Rwy 35,** climbing left turn direct BGQ VORTAC. Maintain ATC assigned altitude.

TAKE-OFF OBSTACLES: **Rwy 35,** treeline 81' from DER, 171' left of centerline, 100' AGL/422' MSL.

DIVERSE VECTOR AREA (RADAR VECTORS)

ORIG 15120 (FAA)

Rwy 35, heading as assigned by ATC.

BUCKLAND, AK

BUCKLAND (BVK) (PABL)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 1 07186 (FAA)

TAKEOFF MINIMUMS: **Rwy 11,** std. w/ min. climb of 325' per NM to 1800, or 1900-3 for climb in visual conditions.

DEPARTURE PROCEDURE: **Rwy 11,** climbing left turn to 3000 heading 280°, 314° bearing from BVK NDB and OTZ R-133 to OTZ VOR/DME, before proceeding on course, or for climb in visual conditions: cross Buckland Airport at or above 1800 MSL before proceeding on course. **Rwy 29,** climbing right turn to 3000 via BVK 314° bearing and OTZ R-133 to OTZ VOR/DME, before proceeding on course.

NOTE: **Rwy 11,** tower 1494' from DER, 112' right of centerline, 45' AGL/120' MSL. Trees 800' from DER, left and right of centerline, 50' AGL/99' MSL, tree 6001' from DER, 1169' left of centerline, 50' AGL/199' MSL.

CAPE LISBURNE LRRS (PALU)

CAPE LISBURNE

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 1 14317

Diverse departures not authorized.

DEPARTURE PROCEDURE: **Rwy 9,** use GRAAY DEPARTURE (RNAV 1). **Rwy 27,** NA.

TAKE-OFF OBSTACLES: **Rwy 9,** Rising terrain up to 58' MSL, from DER out to 1521', 213' right of centerline. Multiple buildings up to 108' MSL, 234' from DER, 482' right of centerline. RADAR antennas, 91' MSL, 1361' from DER, 521' right of centerline. Weather antenna, 68' MSL, 278' from DER, 19' left of centerline. Tower, 110' AGL/151' MSL, 2419' from DER, 531' right of centerline.

CAPE NEWENHAM LRRS (PAEH)

CAPE NEWENHAM, AK

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

ORIG 15344

Diverse departures not authorized.

DEPARTURE PROCEDURE: **Rwy 15,** NA. **Rwy 33,** use CABNN ONE DEPARTURE.

TAKEOFF OBSTACLES: **Rwy 33,** terrain abeam the DER, 106' left of centerline, 228' MSL. Terrain abeam the DER, 25' right of centerline, 237' MSL. Terrain 203' from DER, 396' right of centerline, 249' MSL.

CAPE ROMANZOF LRRS (PACZ)

CAPE ROMANZOF, AK

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 3, 16091

Diverse departures not authorized.

DEPARTURE PROCEDURE: **Rwy 2,** NA. **Rwy 20,** use CAPE ROMANZOF DEPARTURE.

TAKEOFF OBSTACLES: **Rwy 20,** terrain, 237' from DER, 563' left of centerline, 451' MSL. Terrain, 261' from DER, 499' left of centerline, 433' MSL. Terrain, at the DER, 500' left of centerline, 454' MSL.

CENTRAL, AK

CENTRAL (CEM) (PACE)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

ORIG 14149 (FAA)

TAKEOFF MINIMUMS: **Rwys 8, 26,** 2900-3 for climb in visual conditions.

DEPARTURE PROCEDURE: **Rwys 8, 26,** for climb in visual conditions, cross Central Airport at or above 3700 before proceeding on course. When executing VCOA, notify ATC prior to departure.

NOTE: **Rwy 8,** trees beginning 149' from DER, left and right of centerline, up to 73' AGL/972' MSL. **Rwy 26,** trees beginning 80' from DER, left and right of centerline, up to 78' AGL/1045' MSL. Building, 179' from DER, 204' left of centerline, 23' AGL/952' MSL. Pole/antenna on buildings beginning 228' from DER, 198' left of centerline, up to 46' AGL/982' MSL. Vehicle on road, 491' from DER, 3' right of centerline, 15' AGL/955' MSL. Vent/chimney on buildings beginning 736' from DER, 10' right of centerline, up to 25' AGL/964' MSL. Building, 79' from DER, 294' right of centerline, 19' AGL/951' MSL. Vehicles on road beginning 84' from DER, 410' right of centerline, up to 15' AGL/951' MSL. Pole, 532' from DER, 298' right of centerline, 39' AGL/978' MSL.

CHALKYITSIK, AK

CHALKYITSIK (CIK) (PACI)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 1 16315 (FAA)

NOTE: **Rwy 3,** vehicle on road beginning 3' from DER, 361' right of centerline, up to 559' MSL. Tree 75' from DER, 158' right of centerline, 44' AGL/571' MSL. Wind sock 111' from DER, 25' right of centerline, 21' AGL/572' MSL. Tree 168' from DER, 219' left of centerline, 54' AGL/607' MSL. Tree 208' from DER, 111' left of centerline, 56' AGL/609' MSL. Tree 587' from DER, 636' left of centerline, 54' AGL/611' MSL. **Rwy 21,** trees beginning 2' from DER, 26' right of centerline, up to 15' AGL/538' MSL. Tree 21' from DER, 113' left of centerline, 20' AGL/546' MSL. Tree 28' from DER, 338' right of centerline, 46' AGL/570' MSL. Tree 29' from DER, 263' right of centerline, 52' AGL/575' MSL. Tree 163' from DER, 54' right of centerline, 59' AGL/582' MSL. Tree 1634' from DER, 929' left of centerline, 64' AGL/586' MSL. Tree 1909' from DER, 676' left of centerline, 68' AGL/590' MSL.

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CHEVAK, AK
CHEVAK (VAK) (PAVA)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
AMDT 1 16315 (FAA)
NOTE: **Rwy 20,** airfield light 11' from DER, 67' right of centerline, 3' AGL/48' MSL. Bush 21' from DER, 60' left of centerline, up to 2' AGL/49' MSL.

CHUATHBALUK, AK
CHUATHBALUK (9A3) (PACH)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
ORIG 09295 (FAA)
DEPARTURE PROCEDURE: see EBSIH DEPARTURE.

CLARKS POINT, AK
CLARKS POINT (CLP) (PFCL)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
ORIG 10042 (FAA)
NOTE: **Rwy 18,** trees and terrain beginning 50' from DER, 283' left of centerline, up to 35' AGL/201' MSL. **Rwy 36,** trees and terrain beginning 12' from DER, 168' left and right of centerline, up to 35' AGL/159' MSL.

COLD BAY, AK
COLD BAY (CDB) (PACD)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
AMDT 7 13010 (FAA)
TAKEOFF MINIMUMS: **Rwy 26,** 900-2¾ or std. w/ min. climb of 400' per NM to 1200.
DEPARTURE PROCEDURE: **Rwys 8, 15,** climbing left turn direct ELF NDB or CDB VORTAC, thence...
Rwy 26, climbing right turn direct ELF NDB or CDB VORTAC, thence....
Rwy 33, climb direct to ELF NBD or CDB VORTAC, thence...
...Climb in ELF NDB holding pattern (NW, left turns, 144° inbound) or CDB VORTAC holding pattern (NW, left turns, 145° inbound) to at or above MEA for route of flight.
NOTE: **Rwy 26,** rising terrain beginning 1.6 NM from DER, 1808' left of centerline, up to 935' MSL. Trees beginning 1.8 NM from DER, 3461' left of centerline, up to 15' AGL/950' MSL.

COLDFOOT, AK
COLDFOOT (CXF) (PACX)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
ORIG-A 15232 (FAA)
DEPARTURE PROCEDURE: Use BETTLES DEPARTURE.

CORDOVA, AK
MERLE K. (MUDHOLE) SMITH (CDV) (PACV)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
AMDT 7 13010 (FAA)
TAKEOFF MINIMUMS: **Rwy 16,** NA- ATC. **Rwy 34,** NA- obstacles and ATC.
DEPARTURE PROCEDURE: **Rwy 9,** climb to assigned altitude on I-CDV localizer east course to FORAT/I-CDV 44.6 DME before proceeding on course. **Rwy 27,** climbing left turn to 5000 on GCR NDB bearing 202° to EYAKS INT and hold (S, right turns, 022° inbound), continue Climb-in-hold to 5000 before proceeding on course.
NOTE: **Rwy 9,** trees and poles beginning 101' from DER, 454' left of centerline, up to 30' AGL/68' MSL. **Rwy 27,** trees beginning 15' from DER, 423' left of centerline, up to 30' AGL/84' MSL.

DEADHORSE, AK
DEADHORSE (SCC) (PASC)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
AMDT 3 13290 (FAA)
NOTE: **Rwy 5,** sign 13' from DER, 250' left of centerline, 2' AGL/62' MSL. **Rwy 23,** light 10' from DER, 4' right of centerline, 1' AGL/68' MSL.

DEERING, AK
DEERING (DEE) (PADE)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
AMDT 1 09239 (FAA)
TAKEOFF MINIMUMS: **Rwy 11,** std. w/ min. climb of 360' per NM to 800, or 1100-2½ for climb in visual conditions. **Rwy 29,** 300-1½ or std. w/ min. climb of 270' per NM to 300.
DEPARTURE PROCEDURE: **Rwy 11,** for climb in visual conditions, cross Deering Airport at or above 1000 before proceeding on course. **Rwy 20,** climb heading 204° to 600 before turning left.
NOTE: **Rwy 2,** tree 82' from DER, 6' right of centerline, 30' AGL/55' MSL. Trees beginning 803' from DER, left and right of centerline, up to 30' AGL/55' MSL. **Rwy 11,** trees beginning 119' from DER, left and right of centerline, up to 30' AGL/55' MSL. Tree 4592' from DER, 796' left of centerline, 30' AGL/179' MSL. Trees beginning 5715' from DER, 110' left of centerline, up to 30' AGL/329' MSL. Trees beginning 1.3 NM from DER, 259' right of centerline, up to 30' AGL/429' MSL. **Rwy 20,** trees beginning 151' from DER, left and right of centerline, up to 30' AGL/79' MSL.

DILLINGHAM, AK
DILLINGHAM (DLG) (PADL)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
AMDT 3 09015 (FAA)
DEPARTURE PROCEDURE: **Rwy 1,** climb on heading between 023° CW to 191° from DER or minimum climb of 265' per NM to 3100' for all other courses. **Rwy 19,** climb heading 191° to 800' before turning right.
NOTE: **Rwy 1,** vehicle on road 191' from DER, left and right, up to 15' AGL/75' MSL. Multiple trees, poles, fence and antenna 833' from DER, 222' right of centerline, up to 58' AGL/165' MSL. Multiple trees and poles beginning 1607' from DER, 222' left of centerline, up to 58' AGL/189' MSL. **Rwy 19,** building and multiple trees beginning 177' from DER, 191' right of centerline, up to 49' AGL/118' MSL. Multiple trees, antenna and poles beginning 129' from DER, 234' left of centerline, up to 38' AGL/114' MSL.

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EAGLE, AK

EAGLE (EAA) (PAEG)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
ORIG 14149 (FAA)

TAKEOFF MINIMUMS: **Rwy 7,** 4000-3 for climb in visual conditions... **Rwy 25,** Std. w/min. climb of 695' to 6700 or 4000-3 for climb in visual conditions...

DEPARTURE PROCEDURE: **Rwy 25,** climb heading 266° to 6700 before proceeding on course.

… For climb in visual conditions, cross Eagle Airport at or above 4800 before proceeding on course. When executing VCOA, notify ATC prior to departure.

NOTE: **Rwy 7,** trees beginning 194' from DER, 222' right of centerline, up to 60' AGL/1024' MSL. Trees beginning 484' DER, 84' left of centerline, up to 60' AGL/1859' MSL. **Rwy 25,** pole 223' from DER, 296' right of centerline, 40' AGL/912' MSL. Airport beacon 320' from DER, 493' left of centerline, 20' AGL/931' MSL. Antenna on building 331' from DER, 336' left of centerline, 20' AGL/912' MSL. Trees beginning 159' from DER, 74' right of centerline, up to 60' AGL/1259' MSL. Trees beginning 765' from DER, 129' left of centerline, up to 60' AGL/1559' MSL.

EGEGIK, AK

EGEGIK (EII) (PAII)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
ORIG 09239 (FAA)

TAKEOFF MINIMUMS: **Rwys 3, 21,** NA-Environmental.

EIELSON AFB (PAEI)

FAIRBANKS, AK
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
AMDT 2, 15008

DEPARTURE PROCEDURE: **Rwy 32,** standard with Climb Gradient of 250 ft/NM to 3800. **Rwy 14,** standard with Climb Gradient of 280 ft/NM to 3800.

TAKE-OFF OBSTACLES: **Rwy 32,** Trees 2958' from DER, 1166' right of centerline, 85' AGL/619' MSL. Trees 2662' from DER, 1234' right of centerline, 85' AGL/618' MSL. Trees 3316' from DER, 1040' left of centerline, 70' AGL/621' MSL. **Rwy 14,** Trees 3607' from DER, 1378' left of centerline, 85' AGL/654' MSL.

ELIM, AK

ELIM (ELI) (PFEL)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
ORIG 10098 (FAA)

TAKEOFF MINIMUMS: **Rwy 1,** NA-Obstacles.

DEPARTURE PROCEDURE: **Rwy 19,** use ELIM (RNAV) DEPARTURE.

ELMENDORF AFB (PAED)

ANCHORAGE, AK
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
ORIG 16315

TAKEOFF MINIMUMS: **Rwy 16,** NA.

DEPARTURE PROCEDURE: **Rwy 6,** climb on heading between 243° CW 358° from departure end of runway, maintain ATC assigned altitude. **Rwy 24,** climb on heading between 263° CW 012° from departure end of runway, maintain ATC assigned altitude. **Rwy 34,** climb on heading between 182° CW 322° from departure end of runway, maintain ATC assigned altitude.

TAKEOFF OBSTACLES: **Rwy 6,** terrain 207' MSL, at DER, 300' left of centerline. Terrain 211' MSL, beginning 320' from DER, 586' left of centerline. **Rwy 24,** terrain 194' MSL, beginning 349' from DER, 585' right of centerline. Terrain 261' MSL, beginning 2281' from DER, 1113' right of centerline. Trees 284' MSL, 3557' from DER, 1243' right of centerline. **Rwy 34,** terrain at the DER, 172' left of centerline, 213' MSL. Terrain 63' from DER, 517' right of centerline, 221' MSL. Terrain 1683' from DER, 611' right of centerline, 259' MSL. Terrain beginning 1987' from DER, 856' left of centerline, up to 297' MSL.

EMMONAK, AK

EMMONAK (ENM) (PAEM)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
ORIG 07074 (FAA)

NOTE: **Rwy 34,** bush 11' from DER, 146' left of centerline, 5' AGL/17' MSL.

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FAIRBANKS, AK

FAIRBANKS INTL (FAI) (PAFA)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
AMDT 6 15344 (FAA)

TAKEOFF MINIMUMS: **Rwy 2L,** std. w/ min. climb of 230' per NM to 2600. **Rwy 2R,** std, w/min. climb of 205' per NM to 2000, or alternatively, with standard takeoff minimums and a normal 200' per NM climb gradient, takeoff must occur no later than 1900' prior to DER.

DEPARTURE PROCEDURE: **Rwy 2L,** climb heading 035° to 2600 before proceeding on course. **Rwy 2R,** climb heading 035° to 2100 before proceeding on course. **Rwy 20L, 20R,** climb heading 200° to 2000 before proceeding on course.

NOTE: **Rwy 2L,** building 330' from DER, 251' left of centerline, 13' AGL/448' MSL. Trees beginning 2256' from DER, 937' right of centerline, up to 84' AGL/517' MSL. Pole, transmission line, catenary, and trees beginning 1961' from DER, 666' left of centerline, up to 78' AGL/514' MSL. **Rwy 2R,** buildings, vehicles on road, bushes, signs, fence, tanks, and trees beginning abeam DER, 244' left of centerline, up to 15' AGL/448' MSL. Signs and aircraft on ramp beginning 11' from DER, 247' right of centerline, up to 8' AGL/441' MSL. **Rwy 20L,** light 9' from DER, 30' right of centerline, 1' AGL/434' MSL. Light 9' from DER, 30' left of centerline, 1' AGL/437' MSL. Sign and trees beginning 21' from DER, 249' right of centerline, up to 38' AGL/470' MSL. Sign, transmission line tower, and catenaries beginning 49' from DER, 457' left of centerline, up to 37' AGL/465' MSL. Trees beginning 292' from DER, 552' right of centerline, up to 72' AGL/501' MSL. Pole, transmission line tower, and trees beginning 458' from DER, 546' left of centerline, up to 49' AGL/480' MSL. Trees beginning 1225' from DER, 236' right of centerline, up to 70' AGL/501' MSL. Trees beginning 1895' from DER, 131' left of centerline, up to 62' AGL/492' MSL. **Rwy 20R,** building 7' from DER, 424' right of centerline, 22' AGL/447' MSL. Light and NAVAID 10' from DER, 65' right of centerline, 1' AGL/437' MSL. Light 10' from DER, 64' left of centerline, 1' AGL/436' MSL. Trees beginning 1093' from DER, 786' left of centerline, up to 54' AGL/483' MSL. Trees beginning 1799' from DER, 714' right of centerline, up to 66' AGL/492' MSL.

DIVERSE VECTOR AREA (RADAR VECTORS)
AMDT 1 15344 (FAA)

Rwy 2L, heading as assigned by ATC; requires minimum climb of 210' per NM to 1600.
Rwy 2R, 20L, 20R, heading as assigned by ATC.

FORT YUKON, AK

FORT YUKON (FYU) (PFYU)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
AMDT 2 13346 (FAA)

NOTE: **Rwy 4**, terrain 2' from DER, 400' left of centerline, 449' MSL. Multiple trees and poles beginning 4' from DER, 221' right of centerline, up to 51' AGL/496' MSL. Bush 63' from DER, 481' left of centerline, 4' AGL/459' MSL. Multiple trees beginning 251' from DER, 262' left of centerline, up to 45' AGL/494' MSL. **Rwy 22**, terrain 27' from DER, 75' right of centerline, 450' MSL. Windsock 200' from DER, 375' right of centerline, 22' AGL/463' MSL. Multiple trees and poles beginning 442' from DER, 13' left of centerline, up to 66' AGL/509' MSL. Trees beginning 72' from DER, 23' right of centerline, up to 67' AGL/507' MSL.

GALENA, AK

EDWARD G PITKA SR (GAL) (PAGA)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
ORIG 10098 (FAA)

NOTE: **Rwy 7,** trees beginning 8' from DER, 313' right of centerline, up to 50' AGL/192' MSL. Trees 1728' from DER, 947' left of centerline, up to 50' AGL/211' MSL. Vehicles on levee 175' from DER, left and right of centerline, up to 17' AGL/176' MSL. **Rwy 25,** trees beginning 55' from DER, left and right of centerline, up to 50' AGL/187' MSL. Vehicles on levee 280' from DER, 183' left of centerline up to 17' AGL/177' MSL. Pole 370' from DER, 139' left of centerline, 21' AGL/168' MSL. Antennas on buildings 360' from DER, 260' right of centerline, up to 19' AGL/166' MSL. Building 160' from DER, 160' left of centerline, 15' AGL/160' MSL. Obstruction light on levee 421' from DER, 91' left of centerline 18' AGL/165' MSL. Localizer antenna 422' from DER, on centerline 18' AGL/165' MSL.

GAMBELL, AK

GAMBELL (GAM) (PAGM)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
AMDT 2 15008 (FAA)

DEPARTURE PROCEDURE: **Rwy 16,** climb heading 164° to 700 before turning left. **Rwy 34,** climb heading 344° to 700 before turning right.

NOTE: **Rwy 34,** tower at DER, 178' right of centerline, 22' AGL/42' MSL.

GOLOVIN, AK

GOLOVIN (GLV) (PAGL)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
ORIG 05356 (FAA)

DEPARTURE PROCEDURE: Use NOME DEPARTURE.

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GULKANA, AK

GULKANA (GKN) (PAGK)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
AMDT 7A 16315 (FAA)

DEPARTURE PROCEDURE: **Rwy 15,** climb heading 148° to 2800, then climbing left turn direct GKN VOR/DME or GLA NDB, thence… **Rwy 33**, Climb heading 328° to 2800, then climbing left turn direct GKN VOR/DME or GLA NDB, thence… …climb in holding pattern (GKN VOR/DME hold NW, RT, 143° inbound), (GLA NDB hold NW, RT 147° inbound) to cross GKN VOR/DME or GLA NDB at or above MEA for route of flight.

NOTE: **Rwy 15**, tree 263' from DER, 562' left of centerline, 1592' MSL. Tree 597' from DER, 557' right of centerline, 1610' MSL. Tree 1145' from DER, 551' left of centerline, 1604' MSL. Trees beginning 1941' from DER, crossing centerline, up to 1643' MSL. **Rwy 33**, tree 227' from DER, 467' right of centerline, 1637' MSL. Tree 490' from DER, 597' left of centerline, 1660' MSL. Trees beginning 569' from DER, 570' right of centerline, up to 1652' MSL. Trees beginning 1275' from DER, 495' right of centerline, up to 1663' MSL. Tree 1404' from DER, 387' left of centerline, 1690' MSL. Trees beginning 2466' from DER, crossing centerline, up to 1683' MSL.

GUSTAVUS, AK

GUSTAVUS (GST) (PAGS)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
AMDT 3 13178 (FAA)

DEPARTURE PROCEDURE: Use GUSTAVUS DEPARTURE.

HOLY CROSS, AK

HOLY CROSS (HCA) (PAHC)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
AMDT 2 09239 (FAA)

DEPARTURE PROCEDURE: **Rwy 1,** climb heading 013° to 1000 before proceeding on course. **Rwy 19,** climb heading 193° to 1000 before proceeding on course.

NOTE: **Rwy 1,** multiple trees beginning 11' from DER, 163' right of centerline, up to 60' AGL/159' MSL. Multiple trees beginning 14' from DER, 140' left of centerline, up to 60' AGL/159' MSL. **Rwy 19,** multiple trees beginning 21' from DER, 98' right of centerline, up to 60' AGL/159' MSL. Multiple trees beginning 47' from DER, 117' left of centerline, up to 60' AGL/159' MSL.

HOMER, AK

HOMER (HOM) (PAHO)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
AMDT 2 13178(FAA)

TAKEOFF MINIMUMS: **Rwy4,** std. w/min. climb of 347' per NM to 2000.

DEPARTURE PROCEDURE: **Rwy 4,** climb on heading 038° to 2000, then climbing right turn heading 240° to intercept and track out-bound on HOM R-200 thence …
Rwy 22, climbing right turn heading 265° to intercept HOM R-200 thence …
Northeast through southwest bound (020° CW 210°) climb to 2600 via HOM R-200 then right turn direct HOM VORTAC. Cross HOM VORTAC at or above 4000, then climb on course. Southwest through northeast bound (211° CW 019°) climb to 2600 via HOM R-200 outbound then climb on course.

NOTE: **Rwy 4,** terrain beginning 6' from DER, 322' right of centerline, up to 91' MSL. Bushes beginning 14' from DER, 360' right of centerline, up to 24' AGL/98' MSL. Trees beginning 626' from DER, 611' left of centerline up to 100' AGL/195' MSL. Airport navaid 771' from DER, 197' right of centerline, 23' AGL/97' MSL. Trees beginning 864' from DER, 333' right of centerline up to 100' AGL/ 178' MSL. Ships beginning 3721' from DER right and left of centerline up to 200' AGL. **Rwy 22,** fence 17' from DER, 417' left of centerline, up to 10' AGL/ 80' MSL. Trees beginning 322' from DER, 313' left of centerline, up to 100' AGL/123' MSL. Towers beginning 522' from DER, 523' right of centerline, up to 60' AGL/130' MSL. Obstruction lights 660' from DER, 517' right of centerline, 33' AGL/103' MSL. Trees beginning 1932' from DER, 695' right of centerline up to 100' AGL/140' MSL. Ships beginning 3695' from DER, right and left of centerline up to 200' AGL.

HOOPER BAY, AK

HOOPER BAY (HPB) (PAHP)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
ORIG-A 09071 (FAA)

DEPARTURE PROCEDURE: **Rwy 31,** climb heading 316° to 800 before turning east.

NOTE: **Rwy 13,** mobile crane 527' from DER, 144' right of centerline, 87' AGL/114' MSL. Pole 453' from DER, 446' left of centerline, 6' AGL/33' MSL, road 349' from DER, on centerline, 15' AGL/28' MSL, light on wind indicator 590' from DER, 389' left of centerline, 7' AGL/34' MSL, hanger 132' from DER, 361' left of centerline, 12' AGL/19' MSL.

HUSLIA, AK

HUSLIA (HLA) (PAHL)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
ORIG 08269 (FAA)

NOTE: **Rwy 3,** multiple trees beginning 115' from DER, 278' right of centerline, up to 20' AGL/261' MSL. Multiple trees beginning 181' from DER, 20' left of centerline, up to 20' AGL/275' MSL. **Rwy 21,** pole 1125' from DER, 795' right of centerline, 76' AGL/260' MSL. Multiple trees and bushes beginning 169' from DER, 164' left of centerline, up to 20' AGL/284' MSL. Multiple trees and bushes beginning 141' from DER, 204' right of centerline, up to 20' AGL/260' MSL.

IGIUGIG, AK

IGIUGIG (IGG) (PAIG)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

ORIG 09015 (FAA)

NOTE: **Rwy 5,** trees beginning 13' from DER, 154' right of centerline, up to 60' AGL/159' MSL. **Rwy 23,** trees beginning 13' from DER, 153' left of centerline, up to 60' AGL/209' MSL.

ILIAMNA, AK

ILIAMNA (ILI) (PAIL)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 2 09071 (FAA)

TAKEOFF MINIMUMS: **Rwy 35,** std. w/ min. climb of 400' per NM to 2900, or 2900-3 for climb in visual conditions.

DEPARTURE PROCEDURE: **Rwy 7,** climb to 2100, then climbing right turn via 278° bearing to ILI NDB. Climb in ILI NDB/DME holding pattern (South, Right turn, 003° inbound) to 4500 before proceeding enroute. **Rwy 17,** climb to 2100, then climbing left turn via 328° bearing to ILI NDB. Climb in ILI NDB/DME holding pattern (South, Right turn, 003° inbound) to 4500 before proceeding enroute. **Rwy 25,** climb heading 240° to 2100, then climbing left turn via 041° bearing to ILI NDB. Climb in ILI NDB/DME holding pattern (South, Right turn, 003° inbound) to 4500 before proceeding enroute. **Rwy 35,** climb to 2900, then climbing left turn via 139° bearing to ILI NDB. Climb in ILI NDB/DME holding pattern (South, Right turn, 003° inbound) to 4500 before proceeding enroute or for climb in visual conditions: Cross Iliamna airport at or above 2900 MSL before proceeding on course.

NOTE: **Rwy 7,** WSK 1' from DER, 358' left of centerline, 16' AGL/160' MSL. Tree 304' from DER, 363' left of centerline, 11' AGL/155' MSL. **Rwy 17,** trees beginning 59' from DER, 442' right of centerline, up to 30' AGL/199' MSL. **Rwy 25,** trees beginning 76' from DER, 211' right of centerline, up to 30' AGL/262' MSL. Trees beginning 208' from DER, 12' left of centerline, up to 30' AGL/263' MSL. **Rwy 35,** trees beginning 85' from DER, 18' left of centerline, up to 30' AGL/239' MSL. Trees beginning 757' from DER, 39' right of centerline, up to 30' AGL/238' MSL. Bushes beginning 247' from DER, 281' left of centerline, up to 30' AGL/205' MSL. Bush 434' from DER, 258' right of centerline, 11'AGL/194' MSL. Vehicle on road 436' from DER, 407' left of centerline, up to 15' AGL/219' MSL.

INDIAN MOUNTAIN LRRS (PAIM)

UTOPIA CREEK

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

ORIG 15120

Diverse departures not authorized.

CAUTION: Uncontrolled Airspace below 700' AGL within 4 NM of Indian Mountain airport.

TAKEOFF MINIMUMS: **Rwy 6,** 3400-3 for climb in visual conditions. **Rwy 24,** NA.

DEPARTURE PROCEDURE: **Rwy 6,** obtain ATC approval for VCOA when requesting IFR clearance. climb in visual conditions to cross Indian Mountain LRRS at or above 4500' MSL. Before proceeding on course. Remain within 3 NM of Indian mountains LRRS during climb in visual conditions.

TAKEOFF OBSTACLES: **Rwy 6,** terrain, 888' from DER, 738' right of centerline, 1004' MSL. Terrain, 634' from DER, 670' right of centerline, 1012' MSL. Terrain, 885' from DER, 644' right of centerline, 994' MSL. Terrain, 153' from DER, 509' right of centerline, 994' MSL. Terrain, abeam the DER, 287' right of centerline, 962' MSL.

JUNEAU, AK

JUNEAU INTL (JNU) (PAJN)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 4 13234 (FAA)

DEPARTURE PROCEDURE: **Rwys 8, 26,** Use JUNEAU DEPARTURE.

KAKE, AK

KAKE (AFE) (PAFE)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 1 08213 (FAA)

DEPARTURE PROCEDURE: Use KAKE DEPARTURE.

KALSKAG, AK

KALSKAG (KLG) (PALG)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 1 05188 (FAA)

TAKEOFF MINIMUMS: **Rwy 6,** NA-high terrain.

DEPARTURE PROCEDURE: **Rwy 24,** climb via heading 243° to 1000 before proceeding on course.

NOTES: **Rwy 24,** numerous trees beginning 1000' from DER, on centerline, up to 100' AGL/154' MSL. Numerous trees beginning 750' from DER, 500' right of centerline, up to 100' AGL/154' MSL. Numerous trees beginning 960' left of centerline, up to 100' AGL/154' MSL.

KALTAG, AK

KALTAG (KAL) (PAKV)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

ORIG 05244 (FAA)

TAKEOFF MINIMUMS: **Rwy 3,** std. w/ a min. climb of 460' per NM to 4000, or 1300-3 for climb in visual conditions. **Rwy 21,** std. w/ a min. climb of 481' per NM to 4000, or 1300-3 for climb in visual conditions.

DEPARTURE PROCEDURE: **Rwy 3,** climb via 029° heading to 1100 before proceeding on course or climb in visual conditions to cross Kaltag Airport at or above 2700 before proceeding on course. **Rwy 21,** climb via 209° heading to 1100 before proceeding on course or climb in visual conditions to cross Kaltag Airport at or above 2700 before proceeding on course.

TAKEOFF NOTE: **Rwy 3,** trees 400' from DER, 400' right of centerline, 50' AGL/250' MSL.

KASIGLUK, AK

KASIGLUK (Z09) (PFKA)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

ORIG 13234 (FAA)

DEPARTURE PROCEDURE: **Rwy 17,** climb heading 174° to 800 before proceeding on course.

NOTE: **Rwy 35,** bush 13' from DER, 52' left of centerline, 6' AGL/31' MSL.

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KENAI, AK

KENAI MUNI (ENA) (PAEN)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 2 15344 (FAA)

DEPARTURE PROCEDURE: **Rwys 2L/R,** climb on a heading between 304° clockwise to 196° from DER. **Rwys 20L/R,** climb heading 196° to 1100, then climb on a heading between 226° counter clockwise to 016° from DER.

NOTE: **Rwy 2L,** sign 20' from DER, 122' right of centerline, 4' AGL/100' MSL. Windsock 523' from DER, 599' left of centerline, 20' AGL/120' MSL. **Rwy 2R,** trees and catenary beginning 533' from DER, 262' right of centerline, up to 39' AGL/137' MSL. **Rwy 20L,** trees beginning 900' from DER, 524' left of centerline, up to 50' AGL/141' MSL. Control tower and antenna on control tower beginning 2060' from DER, 675' left of centerline, up to 79' AGL/174' MSL. Tree 2998' from DER, 1050' left of centerline, 108' AGL/198' MSL. **Rwy 20R,** vehicle on road 9' from DER, 497' right of centerline, 15' AGL/117' MSL. Trees beginning 599' from DER, 354' right of centerline, up to 76' AGL/153' MSL. DME antenna and trees beginning 821' from DER, 103' left of centerline, up to 34' AGL/119' MSL.

KETCHIKAN, AK

KETCHIKAN INTL (KTN) (PAKT)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 8 09127 (FAA)

DEPARTURE PROCEDURE: **Rwy 11,** use KETCHIKAN DEPARTURE. **Rwy 29,** use SKOWL DEPARTURE.

KIANA, AK

BOB BAKER MEMORIAL (IAN) (PAIK)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

ORIG-A 09183 (FAA)

TAKEOFF MINIMUMS: **Rwy 24,** NA-Terrain.

DEPARTURE PROCEDURE: **Rwy 6,** Use SELAWIK DEPARTURE.

KING COVE, AK

KING COVE (KVC) (PAVC)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

ORIG-A 09183 (FAA)

TAKEOFF MINIMUMS: **Rwy 25,** NA-Terrain.

DEPARTURE PROCEDURE: **Rwy 7,** Use Cold Bay RNAV departure.

KING SALMON, AK

KING SALMON (AKN) (PAKN)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 1 08269 (FAA)

NOTE: **Rwy 12,** trees beginning 549' from DER, 353' left of centerline, up to 30' AGL/108' MSL. **Rwy 36,** trees beginning 750' from DER, 265' left of centerline, up to 30' AGL/93' MSL. Bush and trees beginning 59' from DER, 180' right of centerline, up to 30' AGL/87' MSL.

KIPNUK, AK

KIPNUK (IIK) (PAKI)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 1 14093 (FAA)

NOTE: **Rwy 17,** trees beginning 384' from DER, left and right of centerline, up to 35' AGL/59' MSL. **Rwy 35,** trees beginning 304' from DER, left and right of centerline, up to 35' AGL/59' MSL.

KIVALINA, AK

KIVALINA (KVL) (PAVL)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

ORIG-A 15288 (FAA)

NOTE: **Rwy 12,** windsock 143' from DER, 267' left of centerline, 22' AGL/30' MSL. Tower 3544' from DER, 150' left of centerline, 100' AGL/115' MSL. **Rwy 30,** bush 2' from DER, 82' left of centerline, 2' AGL/18' MSL. Bush 16' from DER, 85' left of centerline, 2' AGL/18' MSL.

KLAWOCK, AK

KLAWOCK (AKW) (PAKW)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 4 13178(FAA)

DEPARTURE PROCEDURE: Use KLAWOCK DEPARTURE.

KOBUK, AK

KOBUK (OBU) (PAOB)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

ORIG 07354 (FAA)

TAKEOFF MINIMUMS: **Rwy 27,** 300-1 or std. w/ a min. climb of 661' per NM to 400.

DEPARTURE PROCEDURE: **Rwy 9,** climbing right turn via heading 220° and AMF NDB 283° course to AMF NDB before proceeding on course. **Rwy 27,** climb via heading 267° and AMF NDB 283° course to AMF NDB before proceeding on course.

NOTE: **Rwy 9,** multiple trees beginning 169' from DER, 36' right of centerline, up to 50' AGL/199' MSL. Multiple trees beginning 231' from DER, 385' left of centerline, up to 50' AGL/199' MSL. **Rwy 27,** multiple trees beginning 79' from DER, 220' left of centerline, up to 50' AGL/182' MSL. Multiple trees beginning 17' from DER, 299' right of centerline, up to 50' AGL/249' MSL.

KODIAK, AK

KODIAK (ADQ) (PADQ)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 4 15288 (FAA)

TAKEOFF MINIMUMS: **Rwy 26,** NA-terrain.

DEPARTURE PROCEDURE: **Rwys 1, 8, 11, 19, 29,** use KODIAK DEPARTURE.

KOKHANOK, AK

KOKHANOK (9K2) (PFKK)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
ORIG-A 15232 (FAA)
TAKEOFF MINIMUMS: **Rwy 6,** 400-1½ or std. w/ min. climb of 420' per NM to 600.
DEPARTURE PROCEDURE: **Rwy 6,** climbing left turn direct ILI NDB/DME, climb in ILI NDB/DME holding pattern (south, right turn, 003° inbound) to cross ILI NDB/DME at or above MEA for route of flight. **Rwy 24,** climbing right turn direct ILI NDB/DME, climb in ILI NDB/DME holding pattern (south, right turn, 003° inbound) to cross ILI NDB/DME at or above MEA for route of flight. **Rwy 24,** climbing right turn direct ILI NDB/DME, climb in ILI NDB/DME holding pattern (South, right turn, 360° inbound) to cross ILI NDB/DME at or above MEA for route of flight.
NOTE: **Rwy 6,** multiple trees beginning 58' from DER, 40' left of centerline, up to 60' AGL/309' MSL. Multiple trees beginning 240' from DER, 86' right of runway centerline, up to 60' AGL/459' MSL. **Rwy 24,** multiple trees beginning 3356' from DER, 914' left of centerline, up to 60' AGL/209' MSL. Multiple trees beginning 3723' from DER, 689' right of centerline, up to 60' AGL/209' MSL.

KOLIGANEK, AK

KOLIGANEK (JZZ) (PAJZ)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
AMDT 3 15232 (FAA)
DEPARTURE PROCEDURE: **Rwy 9,** climb heading 093° to 900 before turning North. **Rwy 27,** climb heading 273° to 1500 before turning North.
NOTE: **Rwy 9,** multiple bushes beginning 50' from DER, 15' right of centerline, up to 15' AGL/327' MSL. Multiple bushes beginning 180' from DER, 69' left of centerline, up to 15' AGL/340' MSL. **Rwy 27,** multiple bushes beginning 76' from DER, 146' left and right of centerline, up to 15' AGL/271' MSL. Power pole 845' from DER, 716' right of centerline, 50' AGL/267' MSL.

KOTLIK, AK

KOTLIK (2A9) (PFKO)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
AMDT1 16315 (FAA)
NOTE: **Rwy 02,** tree abeam DER, 182' right of centerline, 6' AGL/16' MSL. Vehicle on road 3' from DER, 183' left of centerline, 23' MSL. Tree 58' from DER, 111' right of centerline, 8' AGL/18' MSL. Pole 84' from DER, 76' left of centerline, 26' AGL/37' MSL. Tree 137' from DER, 233' right of centerline, 16' AGL/21' MSL. Tree 171' from DER, 154' right of centerline, 13' AGL/23' MSL. Tree 324' from DER, 181' right of centerline, 15' AGL/24' MSL. Tree 606' from DER, 221' right of centerline, 24' AGL/30' MSL. **Rwy 20,** bush 8' from DER, 105' left of centerline, 5' AGL/14' MSL. Tree 24' from DER, 132' right of centerline, 10' AGL/16' MSL.

KOTZEBUE, AK

RALPH WIEN MEMORIAL (OTZ) (PAOT)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
ORIG 15008 (FAA)
TAKEOFF MINIMUMS: **Rwy 18,** 300-1¼ or std. w/ min. climb of 280' per NM to 300.
NOTE: **Rwy 9,** terrain beginning 400' from DER, left and right of centerline, up to 130' MSL. Vehicles on road beginning 477' from DER, left and right of centerline, up to 15' AGL/136' MSL. Multiple bushes beginning 1000' from DER, left and right of centerline, up to 15' AGL/136' MSL. Trees beginning 1581' from DER, 740' right of centerline, up to 9' AGL/137' MSL. Navigation equipment 3950' from DER, 695' left of centerline, 32' AGL/152' MSL. **Rwy 18,** terrain beginning 3' from DER left and right of centerline, up to 15' MSL. Threshold lighting 10' from DER left and right of centerline, up to 3' AGL/13' MSL. Vehicles on road beginning 12' from DER, left and right of centerline, up to 15' AGL/26' MSL. Tree 83' from DER, 458' right of centerline 8' AGL/22' MSL. Tower 5815' from DER 1690' right of centerline 107' AGL/218' MSL. **Rwy 27,** vehicles on road beginning 99' from DER, left and right of centerline, up to 15' AGL/22' MSL. Buildings beginning 162' from DER, left and right of centerline, up to 19' AGL/32' MSL. Antenna 227' from DER, 555' right of centerline 9' AGL/20' MSL. **Rwy 36,** threshold lighting 9' from DER, left and right of centerline, up to 1' AGL/13' MSL. Pole 11' from DER, 90' left of centerline 2' AGL/14' MSL. Vehicles on road beginning 11' from DER, up to 15' AGL/24' MSL. Sign 11' from DER, 67' left of centerline 2' AGL/14' MSL. Rod on obstruction light amom 311' from DER, 300' right of centerline, 15' AGL/38' MSL. Buildings beginning 372' from DER, 600' left of centerline, up to 33' AGL/47' MSL. Tower 379' from DER, 532' left of centerline, 66' AGL/76' MSL.

KOYUK, AK

KOYUK ALFRED ADAMS (KKA) (PAKK)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
AMDT 1 09239 (FAA)
TAKEOFF MINIMUMS: **Rwy 1,** NA-Obstacles.
DEPARTURE PROCEDURE: **Rwy 19,** climb heading 188° to 800 before proceeding on course.
NOTE: **Rwy 19,** multiple trees beginning 35' from DER, 12' right of centerline, up to 30' AGL/279' MSL.

KOYUKUK, AK

KOYUKUK (KYU) (PFKU)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
ORIG 09295 (FAA)
DEPARTURE PROCEDURE: Use DIBVY DEPARTURE.

KWETHLUK, AK

KWETHLUK (KWT) (PFKW)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
ORIG 09015 (FAA)
TAKEOFF MINIMUMS: **Rwy 18,** 400-2 or std. w/ min. climb of 240' per NM to 500.
NOTE: **Rwy 18,** trees beginning 292' from DER, 373' right of centerline, up to 35' AGL/63' MSL. Trees beginning 341' from DER, 399' left of centerline, up to 35' AGL/134' MSL. **Rwy 36,** trees beginning 95' from DER, 491' left of centerline, up to 35' AGL/84' MSL. Trees beginning 203' from DER, 396' right of centerline, up to 18' AGL/42' MSL.

LADD AAF (PAFB)

FAIRBANKS/FORT WAINWRIGHT, AK

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 1B, 15120

TAKE-OFF MINIMUMS: **Rwy 7R/25L,** NA

DEPARTURE PROCEDURE: **Rwy 25R,** Climbing left turn via heading 180° and FAI VORTAC R-090 to 5000 direct FAI (hold S, right turn, 348° inbound) continue climb in hold to 5000, before proceeding on course. **Rwy 7L,** Climbing right turn via heading 180° and FAI VORTAC R-090 to 5000 direct FAI (hold S, right turn, 348° inbound) continue climb in hold to 5000, before proceeding on course.

TAKE-OFF OBSTACLES: **Rwy 7L,** public road 387' east of DER, up to 15' AGL/460' MSL. **Rwy 25R,** public road 349' west of DER, up to 15' AGL/ 460' MSL. Railroad tracks 556' west of DER, up to 23' AGL/461' MSL. Trees 556' west of DER, up to 25' AGL/460' MSL.

MANOKOTAK, AK

MANOKOTAK (MBA) (PAMB)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 1 09239 (FAA)

DEPARTURE PROCEDURE: **Rwy 3,** climbing right turn to 2000 direct DLG VOR/DME, continue climb in DLG VOR/DME holding pattern (hold South, right turn, 011° inbound) to cross DLG VOR/DME at or above MEA for route of flight. **Rwy 21,** climbing left turn to 2000 direct DLG VOR/DME, continue climb in DLG VOR/DME holding pattern (hold South, right turn, 011° inbound) to cross DLG VOR/DME at or above MEA for route of flight.

NOTE: **Rwy 3,** trees beginning 1519' from DER, 899' right of centerline, up to 35' AGL/134' MSL. Trees beginning 595' from DER, 150' left of centerline, up to 35' AGL/134' MSL. Rising terrain 42' from DER, 136' right of centerline up to 105' MSL. Rising terrain 12' from DER, 301' left of centerline up to 102' MSL.

Rwy 21, multiple trees beginning 136' from DER, 133' right of centerline, up to 35' AGL/109' MSL. Multiple buildings beginning 359' from DER, 343' left of centerline, up to 30' AGL/96' MSL.

MARSHALL, AK

MARSHALL DON HUNTER SR (MDM) (PADM)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 1 10210 (FAA)

DEPARTURE PROCEDURE: use BIBNE RNAV DEPARTURE.

MC GRATH, AK

MC GRATH (MCG) (PAMC)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 2B 14205 (FAA)

TAKEOFF MINIMUMS: **Rwys 5, 23,** NA-Environmental.

Rwy 16, std. w/ min. climb of 470' per NM to 1700, or 2300-3 for climb in visual conditions. **Rwy 34,** std. w/ min. climb of 420' per NM to 2200, or 2300-3 for climb in visual conditions.

DEPARTURE PROCEDURE: **Rwy 16,** climb via heading 160° to 1700, then climbing left turn via heading 014° thence. . .

or for climb in visual conditions: cross Mc Grath Airport at or above 2200, thence. . .

Rwy 34, climb via heading 340° to 2200, then climbing right turn heading 166° to MCG R-104 or direct VTR NDB thence. . .

or for climb in visual conditions: cross Mc Grath Airport at or above 2200, thence. . .

. . .climb to 4000 southeast bound via MCG R-104, or 100° bearing from VTR NDB. Aircraft southeast bound (079° clockwise 119°) continue climb on course to MEA for route of flight. All others reverse course via the MCG R-104 to MCG VORTAC, or 280° course to VTR NDB, then continue climb on course to MEA for route of flight.

NOTE: **Rwy 16,** trees beginning 2.2 NM from DER, 2392' left of centerline, up to 80' AGL/1346' MSL.

MEKORYUK, AK

MEKORYUK (MYU) (PAMY)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 1 06327 (FAA)

DEPARTURE PROCEDURE: **Rwy 23,** climb heading 234° to 900 before turning left.

NOTE: **Rwy 5,** tree 1028' from DER, 745' left of centerline, 15' AGL/114' MSL, tree 1619' from DER, 862' left of centerline, 15' AGL/114' MSL, road 41' from DER, 302' left of centerline, 15' AGL/50' MSL. **Rwy 23,** tree 75' from DER, 200' left of centerline, 15' AGL/64' MSL, tree 62' from DER, on centerline, 15' AGL/64' MSL, tree 482' from DER, 157' right of centerline, 15' AGL/114' MSL.

MIDDLETON ISLAND, AK

MIDDLETON ISLAND (MDO) (PAMD)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

ORIG-A 13010(FAA)

TAKEOFF MINIMUMS: **Rwys 13, 31,** NA-Environmental.

NOTE: **Rwy 2,** aircraft on taxiway, 5' from DER, 195' left of centerline, up to 20' AGL/119' MSL. Vehicle on taxiway, 131' from DER, 193' left of centerline, up to 15' AGL/114' MSL. **Rwy 20,** vehicles on road beginning 3' from DER, 124' right of centerline, up to 15' AGL/164' MSL.

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MINCHUMINA, AK

MINCHUMINA (MHM) (PAMH)
TAKEOFF MINIMUMS AND (OBSTACLE)
DEPARTURE PROCEDURES
AMDT 2A 16091 (FAA)

TAKEOFF MINIMUMS: **Rwy 3,** 1600-3 for climb in visual conditions. Procedure NA at night

DEPARTURE PROCEDURE: **Rwy 3,** for climb in visual conditions: Cross MHM NDB north bound at or above 1600 MSL before proceeding on course. **Rwy 21,** climb via heading 204° to 1600 before proceeding on course.

NOTE: **Rwy 3,** light 10' from DER, 30' right of centerline, 2' AGL/681' MSL. Trees and bush, beginning 27' from DER, 99' left of centerline, up to 689' MSL. Tree, 122' from DER, 339' left of centerline, 736' MSL. Trees, beginning 123' from DER, 184' right of centerline, up to 685' MSL. Trees and terrain beginning 144' from DER, 209' left of centerline, up to 764' MSL. **Rwy 21,** tree and light beginning 3' from DER, 30' left of centerline, up to 713' MSL. Light, trees and bush beginning 10' from DER, 50' right of centerline, up to 716' MSL. Pole 108' from DER, 298' left of centerline, 679' MSL. Trees beginning 342' from DER, 440' right of centerline, up to 719' MSL. Trees beginning 399' from DER, 300' right of centerline, up to 742' MSL.

MOUNTAIN VILLAGE, AK

MOUNTAIN VILLAGE (MOU) (PAMO)
TAKEOFF MINIMUMS AND (OBSTACLE)
DEPARTURE PROCEDURES
AMDT 1 09239 (FAA)

NOTE: **Rwy 2,** vehicle on road abeam DER, 250' left of centerline, 15' AGL/364' MSL. **Rwy 20,** bushes beginning 100' from DER, 35' right of centerline, up to 15' AGL/314' MSL. Bushes beginning 140' from DER, 24' left of centerline, up to 15' AGL/314' MSL.

NAPAKIAK, AK

NAPAKIAK (WNA) (PANA)
TAKEOFF MINIMUMS AND (OBSTACLE)
DEPARTURE PROCEDURES
ORIG 13290 (FAA)

NOTE: **Rwy 16,** numerous trees beginning 47' from DER, 161' right of centerline, up to 13' AGL/30' MSL. Tree 465' from DER, 22' left of centerline, 16' AGL/33' MSL. **Rwy 34,** numerous poles beginning 299' from DER, 287' left of centerline, up to 29' AGL/46' MSL. Numerous poles beginning 177' right of centerline, 273' right of centerline, up to 26' AGL/43' MSL. Rod on tower 359' from DER, 430' left of centerline, 30' AGL/47' MSL. Antenna 357' from DER, 408' right of centerline, 29' AGL/46' MSL. Catenary 215' from DER, 352' right of centerline, 19' AGL/36' MSL. Tree 206' from DER, 297' left of centerline, 15' AGL/32' MSL. Multiple buildings beginning 639' from DER, 414' left of centerline, up to 26' AGL/43' MSL. Tree 520' from DER, 437' right of centerline, 13' AGL/30' MSL.

NAPASKIAK, AK

NAPASKIAK (PKA) (PAPK)
TAKEOFF MINIMUMS AND (OBSTACLE)
DEPARTURE PROCEDURES
ORIG 15064 (FAA)

NOTE: **Rwy 2,** boats 25' from DER, 468' left of centerline, up to 50' AGL/50' MSL. Trees 33' from DER, 141' left of centerline, up to 50' AGL/74' MSL. Trees beginning 527' from DER, left and right of centerline, up to 50' AGL/74' MSL. Trees 917' from DER, beginning 29' left of centerline, up to 50' AGL/74' MSL. **Rwy 20,** trees beginning 32' from DER, left and right of centerline, up to 50' AGL/74' MSL. Boats 620' from DER, 618' right of centerline, up to 50' AGL/50' MSL. Trees beginning 1100' from DER, left and right of centerline, up to 50' AGL/74' MSL.

NELSON LAGOON, AK

NELSON LAGOON (OUL) (PAOU)
TAKEOFF MINIMUMS AND (OBSTACLE)
DEPARTURE PROCEDURES
ORIG 03359 (FAA)

DEPARTURE PROCEDURE: Use BINAL DEPARTURE.

NENANA, AK

NENANA MUNI (ENN) (PANN)
TAKEOFF MINIMUMS AND (OBSTACLE)
DEPARTURE PROCEDURES
AMDT 4 09295 (FAA)

TAKEOFF MINIMUMS: **Rwy 4L,** 600-2½ or std. with a min. climb of 325' per NM to 1100. **Rwys 4R,4W, 22L, 22W,** NA-ATC.

DEPARTURE PROCEDURE: **Rwy 4L,** climbing right turn via heading 127° to 1900 then climbing right turn direct ENN VORTAC, thence...

Rwy 22R, climb via heading 218° to 1800 then climbing left turn direct ENN VORTAC, thence...

...continue climb in ENN VORTAC holding pattern (Southwest, left turn, 042° inbound) to MEA for route of flight before proceeding on course.

NOTE: **Rwy 4L,** trees beginning 1.9 NM from DER, 3209' left of centerline, up to 60' AGL/859' MSL.

NEW STUYAHOK, AK

NEW STUYAHOK (KNW) (PANW)
TAKEOFF MINIMUMS AND (OBSTACLE)
DEPARTURE PROCEDURES
AMDT 1 07354 (FAA)

NOTE: **Rwy 14,** tree 700' from DER, 647' right of centerline, 60' AGL/409' MSL. Multiple trees beginning 549' from DER, 499' left of centerline, up to 60' AGL/434' MSL. **Rwy 32,** tree 743' from DER, 104' right of centerline, 60' AGL/445' MSL.

NIKOLAI, AK

NIKOLAI (FSP) (PAFS)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

ORIG 06047 (FAA)

DEPARTURE PROCEDURE: **Rwy 4,** climbing left turn to 6000 via heading 224° and MCG VORTAC R-055 to MCG VORTAC, thence...**Rwy 22,** climb to 6000 via heading 224° and MCG VORTAC R-065 to MCG VORTAC, thence...

...continue climb in MCG VORTAC holding pattern (hold east, right turn, 280° inbound) to cross MCG VORTAC at or above MEA/MCA for route of flight.

NOTE: **Rwy 4,** multiple trees beginning 145' from DER, 534' left of centerline, up to 50' AGL/549' MSL; multiple trees beginning 229' from DER, 531' right of centerline, 50' AGL/549' MSL. **Rwy 22,** multiple trees, power poles, and buildings beginning 48' from DER, 32' left of centerline, up to 50' AGL/549' MSL; multiple trees and power pole 365' from DER, 187' right of centerline, 30' AGL/471' MSL.

NOATAK, AK

NOATAK (WTK) (PAWN)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 1 07186 (FAA)

DEPARTURE PROCEDURE: **Rwy 1,** climb via heading 007° to 1900 before proceeding on course.

NOTE: **Rwy 1,** multiple buildings and trees beginning 475' from DER, 221' right of centerline, up to 30' AGL/ 104' MSL. Tower 1938' from DER, 875' left of centerline, 47' AGL/146' MSL.

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NOME, AK

NOME (OME) (PAOM)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 6 14317 (FAA)

TAKEOFF MINIMUMS: **Rwy 3,** std. w/min. climb of 480' per NM to 1800, or 1600-2½ for VCOA.

DEPARTURE PROCEDURE: **Rwy 3,** climbing right turn to OME VOR/DME, thence … **Rwy 10,** climb on heading 099° to 1200 thence … **Rwys 21, 28,** turn left direct OME VOR/DME/FDV NDB, thence …

... Departures northeast CW through westbound (040° CW 260°), climb on course. Departures west CW through northeast bound (260° CW 040°), climb southeast bound on OME VOR/DME R-144 or 148° bearing from FDV NDB to 2200, then turn right via direct OME VOR/DME/FDV NDB. Continue climb on course.

VCOA: **Rwy 3,** obtain ATC approval for VCOA when requesting IFR clearance. Climb in visual conditions to cross Nome Airport at or above 1500 before proceeding on course.

NOME, AK (CON'T)

NOME (OME) (PAOM) (CON'T)

NOTE: **Rwy 3,** pole 1058' from DER, 236' right of centerline, 37' AGL/88' MSL. Secondary road beginning 27' from DER, 19' right of centerline up to 15' AGL/69' MSL. Trees beginning 249' from DER, 2' right of centerline, up to 15' AGL/61' MSL. Poles beginning 1519' from DER, 310' left of centerline, up to 43' AGL/101' MSL. Secondary road beginning 23' from DER, 17' left of centerline, up to 15' AGL/78' MSL. Bushes beginning 17' from DER, 118' left of centerline, up to 2' AGL/50' MSL. Trees beginning 339' from DER, 6' left of centerline, up to 10' AGL/62' MSL. **Rwy 10,** chimney/stacks beginning 752' from DER, 503' right of centerline, up to 64' AGL/76' MSL. Pole 748' from DER, 608' right of centerline, 38' AGL/59' MSL. Pole 423' from DER, 471' right of centerline, 20' AGL/48' MSL. Pole 777' from DER, 610' right of centerline, 35' AGL/56' MSL. Antenna on pole 674' from DER, 521' right of centerline, 39' AGL/52' MSL. Pole 792' from DER, 502' right of centerline, 40' AGL/53' MSL. Pole 867' from DER, 666' right of centerline, 43' AGL/55' MSL. Antenna on pole 676' from DER, 572' right of centerline, 34' AGL/46' MSL. Pole 956' from DER, 735' right of centerline, 39' AGL/51' MSL. Pole 784' from DER, 603' right of centerline, 30' AGL/43' MSL. Building 764' from DER, 589' right of centerline, 28' AGL/54' MSL. Road beginning 199' from DER, 493' right of centerline, 15' AGL/30' MSL. Tower 3753' from DER 1355' right of centerline, 90' AGL/120' MSL. Pole 1707' from DER, 923' left of centerline, 41' AGL/93' MSL. Pole 1874' from DER, 611' left of centerline, 36' AGL/86' MSL. Pole 1731' from DER, 594' left of centerline, 24' AGL/71' MSL. Building 1051' from DER, 742' left of centerline, 18' AGL/63' MSL.

Rwy 21, trees beginning 377' from DER, 48' right of centerline, up to 11' AGL/46' MSL. Bushes beginning 187' from DER, 174' right of centerline, up to 3' AGL/45' MSL. Secondary road beginning 559' from DER, 140' right of centerline, up to 15' AGL/47' MSL. Ground 188' from DER, 396' right of centerline, 19' MSL. Bushes beginning 595' from DER, 152' left of centerline, 13' AGL/48' MSL. Trees beginning 585' from DER, 2' left of centerline, up to 9' AGL/40' MSL. Secondary road beginning 540' from DER, 47' left of centerline, up to 15' AGL/43' MSL. Poles beginning 1547' from DER, 89' left of centerline, up to 32' AGL/62' MSL. Ground 597' from DER, 397' left of centerline, 29' MSL.

Rwy 28, Obstruction light on localizer 1303' from DER, 42' right of centerline, 15' AGL/51' MSL. Navaid 15' from DER, 152' right of centerline, 4' AGL/17' MSL. Pole 122' from DER, 521' left of centerline, 45' AGL/72' MSL. Pole 121' from DER, 399' left of centerline, 15' AGL/42' MSL. Debris 415' from DER, 377' left of centerline, up to 9' AGL/50' MSL. Secondary road beginning 181' from DER, 259' left of centerline, up to 15' AGL/48' MSL. Ground beginning 168' from DER, 262' left of centerline, up to 63' MSL. Buildings beginning 398' from DER, 203' left of centerline, up to 32' AGL/57' MSL. Trees beginning 90' from DER, 361' left of centerline, up to 10' AGL/21' MSL. Trees beginning 919' from DER, 357' left of centerline, 9' AGL/62' MSL. Fence beginning 396' from DER, 245' left of centerline, up to 7' AGL/30' MSL. Antenna on DME LTD 1314' from DER, 213' left of centerline, 28' AGL/63' MSL. Sign 390' from DER, 246' left of centerline, 2' AGL/29' MSL. Navaid 15' from DER, 152' left of centerline, 4' AGL/17' MSL.

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NONDALTON, AK

NONDALTON (5NN) (PANO)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

ORIG 06047 (FAA)

TAKEOFF MINIMUMS: **Rwy 2,** NA-obstacles.

DEPARTURE PROCEDURE: **Rwy 20,** Use ILIAMNA DEPARTURE.

NOORVIK, AK

ROBERT/BOB/CURTIS MEMORIAL (D76) (PFNO)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

ORIG 10042 (FAA)

DEPARTURE PROCEDURE: **Rwy 6,** climbing left turn to a heading between 239° CW to 282° from DER to 3700 before proceeding on course, or minimum climb of 345' per NM to 2700 for all other courses. **Rwy 24,** climb on a heading between 104° CW to 309° from DER to 3700 before proceeding on course, or minimum climb of 265' per NM to 3500 for all other courses.

NOTE: **Rwy 6,** trees beginning at DER, 400' left and right of centerline, up to 20' AGL/119' MSL. **Rwy 24,** trees beginning at DER, 400' left and right of centerline, up to 20' AGL/94' MSL.

NORTHWAY, AK

NORTHWAY (ORT) (PAOR)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 2 07018 (FAA)

DEPARTURE PROCEDURE: **Rwy 5,** climbing right turn to 4000 via ORT R-100, then climbing right turn to 8000 direct ORT VORTAC, continue climb in ORT VORTAC holding pattern (West, right turn, 108° inbound) to 8000 before proceeding on course. . . .**Rwy 23,** climbing left turn to 4000 via ORT R-170, then climbing left turn to 8000 direct ORT VORTAC, continue climb in ORT VORTAC holding pattern (West, right turn, 108° inbound) to 8000 before proceeding on course. . .

. . .continue climb via assigned route.

NOTE: **Rwy 5,** multiple trees beginning 1133' from DER, 727' right of centerline, up to 60' AGL/1859' MSL. Multiple trees beginning 3881' from DER, 1522' left of centerline, up to 60' AGL/1859' MSL. **Rwy 23,** multiple trees beginning 777' from DER, 560' left of centerline, up to 60' AGL/1809' MSL. Multiple trees beginning 1365' from DER, 527' right of centerline, up to 60' AGL/1809' MSL.

NUIQSUT, AK

NUIQSUT (AQT) (PAQT)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

ORIG 10098 (FAA)

NOTE: **Rwy 5,** road with vehicles beginning 165' from DER, left and right of centerline, up to 15' AGL/89' MSL. **Rwy 23,** terrain beginning 211' from DER, 523' left of centerline to 450' right of centerline, up to 74' MSL.

NULATO, AK

NULATO (NUL) (PANU)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

ORIG 04330 (FAA)

TAKEOFF MINIMUMS: **Rwy 2,** 700-2 ¾ w/min. climb of 356 feet per NM to 1300 or 1000-3 for climb in visual conditions.

DEPARTURE PROCEDURE: **Rwy 2,** climb via heading 024° to 1300 before proceeding on course or climb in visual conditions to cross Nulato Airport at or above 1300 before proceeding on course. **Rwy 20,** climb via heading 204° to 1500 before proceeding on course.

NOTE: **Rwy 2**, tree 3078' from DER 355' left of centerline 100' AGL 655' MSL. Tree 5041' from DER 154' right of centerline 100' AGL 699' MSL. Tree 1.03 NM from DER 122' right of centerline 100' AGL 799' MSL. Tree 1.24 NM from DER 705' left of centerline 100' AGL 899' MSL. Tree 1.44 NM from DER 2385' left of centerline 100' AGL 999' MSL. Tree 2.57 NM from DER 5740' left of centerline 100' AGL 1035' MSL. **Rwy 20,** tree 3.33 NM from DER 1.64 NM right of centerline 100' AGL 957' MSL. Tree 3.10 NM from DER 1.94 NM right of centerline 100' AGL 965' MSL. Tree 1.49 NM from DER 7.39 NM right of centerline 200' AGL 1850' MSL.

PALMER, AK

PALMER MUNI (PAQ) (PAAQ)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 2 08101 (FAA)

TAKEOFF MINIMUMS: **Rwy 9,** NA-obstacles.

DEPARTURE PROCEDURE: **Rwys 16,27,34,** Use PALMER RNAV DEPARTURE.

PERRYVILLE, AK

PERRYVILLE (PEV) (PAPE)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 1 07018 (FAA)

TAKEOFF MINIMUMS: **Rwy2,** NA-obstacles.

DEPARTURE PROCEDURE: **Rwy20,** Use CILAC (RNAV) DEPARTURE.

PETERSBURG, AK

PETERSBURG JAMES A JOHNSON (PSG) (PAPG)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 6 13178 (FAA)

DEPARTURE PROCEDURE: Use PETERSBURG DEPARTURE.

PILOT POINT, AK

PILOT POINT (PNP) (PAPN)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

ORIG 03359 (FAA)

DEPARTURE PROCEDURE: Use ZILKO RNAV DEPARTURE.

PLATINUM, AK

PLATINUM (PTU) (PAPM)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 1A 16315 (FAA)

TAKEOFF MINIMUMS: **Rwy 14,** std. w/min climb of 631' per NM to 2800 or 2400-3 for VCOA.

DEPARTURE PROCEDURE: **Rwy 32,** climb heading 319° to 1500 before proceeding on course.

VCOA: **Rwy 14,** obtain ATC clearance when requesting IFR clearance, climb in visual conditions to cross Platinum airport at or above 2300 before proceeding on course.

NOTE: **Rwy 14,** vehicles on road beginning 30' from DER, crossing centerline, up to 15' AGL/36' MSL. Bush 71' from DER, 242' right of centerline, 2' AGL/27' MSL. Vehicles on road beginning 183' from DER, 493' left of centerline, up to 15' AGL/31' MSL.

POINT HOPE, AK

POINT HOPE (PHO) (PAPO)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 1 13290 (FAA)

NOTE: **Rwy 1,** barge/iceberg 778' from DER, 632' left of centerline, 50' AGL/50' MSL. Lights 16' from DER, 37' left and right of centerline, 3' AGL/20' MSL. **Rwy 19,** barge/iceberg 912' from DER, 237' left of centerline, 50' AGL/50' MSL. Lights 2' from DER, 38' left and right of centerline, 3' AGL/21' MSL.

PORT HEIDEN, AK

PORT HEIDEN (PTH) (PAPH)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 2 07074 (FAA)

DEPARTURE PROCEDURE: **Rwy 5,** climb heading 054° to 1000, then climbing left turn to 2500 direct PDN NDB/DME, thence. . . **Rwy 13,** climb heading 131° to 1000, then climbing right turn to 2500 direct PDN NDB/DME, thence. . . **Rwy 23,** climbing right turn to 2500 direct PDN NDB/DME, thence. . . **Rwy 31,** climbing left turn to 2500 direct PDN NDB/DME, thence. . .

. . .continue climb in PDN NDB/DME holding pattern (hold southwest, left turn, 052° inbound) to cross PDN NDB at or above MEA for route of flight.

QUINHAGAK, AK

QUINHAGAK (PAQH)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 1 16091 (FAA)

TAKEOFF MINIMUMS: **Rwy 12,** std. w/min. climb of 255' per NM to 4200, or 1400-3 for climb in visual conditions.

VCOA: **Rwy 12,** obtain ATC approval for VCOA when requesting IFR clearance. Climb in visual conditions to cross Quinhagak airport at or above 1300 before proceeding on course.

NOTE: **Rwy 12,** pole 19' from DER, 279' right of centerline, 15' AGL/46' MSL. Trees beginning 225' from DER, 151' right of centerline, up to 15' AGL/64' MSL. **Rwy 30,** trees beginning 251' from DER, 433' left of centerline, up to 15' AGL/64' MSL. Trees beginning 834' from DER, 674' right of centerline, up to 15' AGL/64' MSL.

RUBY, AK

RUBY (RBY) (PARY)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 1 10322 (FAA)

TAKEOFF MINIMUMS: **Rwy 3,** std. w/ min. climb of 340' per NM to 4000 or 1900-2½ for climb in visual conditions. **Rwy 21,** std. w/min. climb of 566' per NM to 4000 or 1900-2½ for climb in visual conditions.

DEPARTING PROCEDURE: **Rwy 3,** climb heading 031° to 1400 then climbing right turn heading 282° to intercept GAL VOR/DME-072 to GAL VOR/DME, or for climb in visual conditions cross Ruby at or above 2400 before proceeding on course. **Rwy 21,** climb heading 211° to 1300 then climbing right turn heading 282° to intercept GAL VOR/DME-072 to GAL VOR/DME, or for climb in visual conditions cross Ruby at or above 2400 before proceeding on course.

NOTE: **Rwy 3,** trees beginning 177' from DER, 150' left of centerline, up to 50' AGL/714' MSL. **Rwy 21,** trees beginning 1299' from DER, 79' left of centerline, up to 50' AGL/874' MSL. Rising terrain beginning 1895' from DER, 64' left of centerline, up to 801' MSL. Tree 1272' from DER, on centerline, 27' AGL/726' MSL. Trees beginning 122' from DER, 400' right of centerline, up to 50' AGL/881' MSL. Rising terrain 4724' from DER, 101' right of centerline, up to 827' MSL.

RUSSIAN MISSION, AK

RUSSIAN MISSION (RSH) (PARS)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 2 16315 (FAA)

TAKEOFF MINIMUMS: **Rwy 17,** 700-3 w/min. climb of 380' per NM to 1900 or 2000-3 for VCOA. **Rwy 35,** 500-2 w/min. climb of 370' per NM to 3700 or 2300-3 for VCOA.

VCOA: Obtain ATC approval for VCOA when requesting IFR clearance. Climb in visual conditions to cross Russian Mission airport at or above 1900 before proceeding on course.

NOTE: **Rwy 17,** tree 54' from DER, 45' right of centerline, 93' MSL. Trees beginning 642' from DER, 659' right of centerline, up to 228' MSL. Trees beginning 947' from DER, 749' right of centerline, up to 257' MSL. Trees beginning 1.2 NM from DER, 1401' left of centerline, up to 384' MSL. Trees beginning 1.8 NM from DER, crossing rwy centerline, up to 515' MSL. Trees beginning 1.9 NM from DER, 109' right of centerline, up to 583' MSL. Trees beginning 2.3 NM from DER, 1538' right of centerline, up to 730' MSL. **Rwy 35,** tree 90' from DER, 165' right of centerline, 69' MSL. Tree 121' from DER, 160' left of centerline, 71' MSL. Tree 128' from DER, 21' right of centerline, 76' MSL. Tree 367' from DER, 17' right of centerline, 82' MSL. Tree 490' from DER, 20' right of centerline, 85' MSL. Tree 672' from DER, 42' right of centerline, 89' MSL. Tree 708' from DER, 13' right of centerline, 94' MSL. Bush 1790' from DER, 902' left of centerline, 110' MSL. Building 1864' from DER, 926' left of centerline, 17' AGL/131' MSL. Trees beginning 1904' from DER, 687' left of centerline, up to 146' MSL. Trees beginning 2028' from DER, 472' left of centerline, up to 206' MSL. Trees beginning 2302' from DER, 456' left of centerline, up to 250' MSL. Tree 2452' from DER, 479' left of centerline, 260' MSL. Tree 2533' from DER, 651' left of centerline, 272' MSL. Tank 2538' from DER, 1012' left of centerline, 19' AGL/275' MSL. Trees beginning 2611' from DER, 665' left of centerline, up to 336' MSL. Trees beginning 2966' from DER, 884' left of centerline, up to 358' MSL. Tree 3866' from DER, 1430' left of centerline, 226' MSL.

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ST. GEORGE, AK

ST. GEORGE (PBV) (PAPB)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
AMDT 2 16315 (FAA)

TAKEOFF MINIMUMS: **Rwy 11,** 600-2¾ or std. w/min. climb of 405' per NM to 900. **Rwy 29,** 600-2¾ or std. w/ min. climb of 295' per NM to 800.

DEPARTURE PROCEDURE: **Rwy 11,** Climb on a heading between 107° CW 250° from DER to 1200 before proceeding on course. **Rwy 29,** Climb on heading 287° to 1200 before turning right.

NOTE: **Rwy 11,** ground 183' from DER, 474' left of centerline, 138' MSL. Ground 1.6 NM from DER, crossing centerline, up to 556' MSL. Ground 1.8 NM from DER, on centerline, 626' MSL. Ground 1.8 NM from DER, 874' left of centerline, 673' MSL. Ground 2.1 NM from DER, 4005' left of centerline, 700' MSL. **Rwy 29,** ground 196' from DER, 495' right of centerline, 144' MSL. Antenna 1023' from DER, 417' right of centerline, 17' AGL/165' MSL. Ground 2.2 NM from DER, 2511' right of centerline, 635' MSL.

ST. MARYS, AK

ST. MARYS (KSM) (PASM)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
AMDT 1 87043 (FAA)

TAKEOFF MINIMUMS: **Rwys 6,17,24,** 200-1.

DEPARTURE PROCEDURE: **Rwys 6,17,24,35,** climb straight ahead to 1000, continue climb on course.

ST. MICHAEL, AK

ST. MICHAEL (SMK) (PAMK)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
AMDT 1 05188 (FAA)

DEPARTURE PROCEDURE: **Rwy 20,** climb via heading 196° to 700' before turning right.

NOTE: **Rwy 2,** tree 36' from DER, 377' right of centerline, 20' AGL/83' MSL. **Rwy 20,** terrain beginning 2' to 2276' from DER, 51' to 966' right of centerline, up to 151' MSL. Terrain beginning 110' to 917' from DER, 13' to 533' left of centerline, up to 119' MSL. Tree 1779' from DER, 504' right of centerline, 20' AGL/219' MSL. Tree 1.2 NM from DER 1 NM right of centerline, 20' AGL/520' MSL.

ST. PAUL ISLAND, AK

ST. PAUL ISLAND (SNP) (PASN)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
AMDT 3 10322 (FAA)

DEPARTURE PROCEDURE: **Rwy 18,** climb heading 180° to 800 before proceeding on course. **Rwy 36,** climb heading 360° to 600 before proceeding on course.

NOTE: **Rwy 36,** Terrain beginning 217' from DER, 84' left of centerline up to 79' MSL.

SAND POINT, AK

SAND POINT (SDP) (PASD)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
AMDT 4 13122 (FAA)

DEPARTURE PROCEDURE: Use BORLAND DEPARTURE.

SAVOONGA,AK

SAVOONGA (SVA) (PASA)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
AMDT 1 10210 (FAA)

TAKEOFF MINIMUMS: **Rwy 23,** std. w/ min climb of 250' per NM to 1000, or 1600-2½ for climb in visual conditions.

DEPARTURE PROCEDURE: **Rwy 5,** aircraft departing via ULL R-260 CW R-080 climb on course, all others climb via ULL R-059 to 2200 before turning South. **Rwy 23,** aircraft departing via ULL R-260 CW R-080 climb on course. All others climbing right turn direct ULL VOR/DME then via ULL R-059 to 2200 before turning South. For climb in visual conditions: cross Savoonga Airport at or above 1500, then proceed on ULL R-059 to 2200.

NOTE: **Rwy 23,** trees 2791' from DER, 140' left of centerline, 20' AGL/140' MSL. Rising terrain beginning 590' from DER, 351' left of centerline, up to 99' MSL.

SCAMMON BAY, AK

SCAMMON BAY (SCM) (PACM)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
AMDT 2 16315 (FAA)

TAKEOFF MINIMUMS: **Rwy 10,** std. w/min. climb of 410' per NM to 1900, or 2100-3 for VCOA. **Rwy 28,** std. w/ min. climb of 230' per NM to 2300, or 2100-3 for VCOA.

DEPARTURE PROCEDURE: **Rwy 10,** climb heading 101° to 1900 before proceeding on course. **Rwy 28,** climb heading 281° to 2300 before turning left.

VCOA: Obtain ATC approval for VCOA when requesting IFR clearance. Climb in visual conditions to cross Scammon Bay airport at or above 2000 before proceeding on course.

NOTE: **Rwy 10,** signs 10' from DER, both 54' left and right of centerline, 4' AGL/20' MSL. Bushes beginning 642' from DER, 670' right of centerline, up to 37' MSL. Terrain beginning 1286' from DER, 841' right of centerline, up to 60' MSL. Bush 1485' from DER, 874' right of centerline, 69' MSL. Bushes and terrain beginning 1.1 NM from DER, 732' right of centerline, up to 373' MSL. Terrain beginning 1.4 NM from DER, 1102' left of centerline, up to 269' MSL. Bushes and terrain beginning 1.4 NM from DER, 697' right of centerline, up to 389' MSL. Terrain beginning 1.4 NM from DER, 1024' left of centerline, up to 325' MSL. Bushes and terrain beginning 1.4 NM from DER, 636' right of centerline, up to 596' MSL. Bushes and terrain beginning 1.8 NM from DER, 1670' left of centerline, up to 430' MSL. Terrain beginning 1.9 NM from DER, crossing centerline, up to 641' MSL. **Rwy 28,** vehicles on road beginning 151' from DER, 271' left of centerline, up to 26' MSL.

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SELAWIK, AK

SELAWIK (WLK) (PASK)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 1A 14149 (FAA)

NOTE: **Rwy 4,** multiple bushes beginning 176' from DER, 429' left of centerline, up to 18' AGL/18' MSL. **Rwy 22,** antenna on building, 1040' from DER, 448' right of centerline, 30' AGL/ 47' MSL. **Rwy 27,** multiple antennas and buildings beginning 270' from DER, right and left of centerline, up to 108' AGL/125' MSL. Bridge 2148' from DER, 249' right of centerline, 60' AGL/90' MSL. Wind turbines beginning 3310' from DER, 1194' right of centerline, up to 110' AGL/165' MSL.

SEWARD, AK

SEWARD (SWD) (PAWD)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

ORIG-A 12264 (FAA)

DEPARTURE PROCEDURE: **Rwy 13,** Use SEWAR DEPARTURE. **Rwys 16, 31, 34,** NA - Terrain.

SHAGELUK, AK

SHAGELUK (SHX)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

ORIG 08325 (FAA)

DEPARTURE PROCEDURE: **Rwy 16,** climb heading 180º to 1400 before turning left. **Rwy 34,** climb heading 345° to 1200 before turning right.

NOTE: **Rwy 16,** vehicles on road, beginning 160' from DER, 153' right of centerline, up to 15' AGL/93' MSL. Bush 322' from DER, 9' left of centerline, 9' AGL/87' MSL. Trees beginning 2' from DER, 393' right of centerline, up to 40' AGL/118' MSL. Trees beginning 720' from DER, 122' left of centerline, up to 53' AGL/131' MSL. **Rwy34,** trees beginning 34' from DER, 386' right of centerline, up to 53' AGL/131' MSL.

SHAKTOOLIK, AK

SHAKTOOLIK (2C7) (PFSH)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

ORIG 09239 (FAA)

DEPARTURE PROCEDURE: **Rwy 14,** climb on heading between 115° CW to 322° from DER, or min. climb of 220' per NM to 3200 for all other courses.

NOTE: **Rwy 14,** buildings beginning 199' from DER, 483' left of centerline, up to 21' AGL/55' MSL.

SHISHMAREF, AK

SHISHMAREF (SHH) (PASH)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

ORIG 09071 (FAA)

NOTE: **Rwy 5,** multiple trees, 9' from DER, 179' left of centerline, up to 15' AGL/85' MSL. Multiple trees, 92' from DER, 94' right of centerline, up to 15' AGL/88' MSL. NDB tower, 236' from DER, 561' left of centerline, 40' AGL/66' MSL. **Rwy 23,** boat, 703' from DER, 663' right of centerline, 50' AGL/50' MSL.

SHUNGNAK, AK

SHUNGNAK (SHG) (PAGH)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

ORIG 04330 (FAA)

DEPARTURE PROCEDURE: **Rwy 9,** climbing right turn direct AMF NDB. **Rwy 27,** climbing right turn direct AMF NDB.

SITKA, AK

SITKA ROCKY GUTIERREZ (SIT) (PASI)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 3 07018 (FAA)

DEPARTURE PROCEDURE: Use BIORKA DEPARTURE.

SOLDOTNA, AK

SOLDOTNA (SXQ) (PASX)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 2 07242 (FAA)

TAKEOFF MINIMUMS: **Rwy 25,** 200-1.

DEPARTURE PROCEDURE: **Rwy 7,** climb on a heading between 050° counter clockwise to 251° or 175° clockwise to 251° from DER. **Rwy 25,** climb heading 251° to 800, then climb on a heading between 160° clockwise to 065° from DER.

NOTE: **Rwy 7,** multiple trees beginning 1668' from DER, 454' right of centerline, up to 60' AGL/259' MSL. **Rwy 25,** multiple trees beginning 316' from DER, 517' left of centerline, up to 60' AGL/309' MSL.

SOUTH NAKNEK, AK

SOUTH NAKNEK NR 2 (WSN) (PFWS)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

ORIG 16147 (FAA)

TAKEOFF MINIMUMS: **Rwy 5, 23,** NA.

NOTE: **Rwy 13,** trees beginning 930' from DER, 268' left of centerline, up to 15' AGL/186' MSL. Bushes beginning 240' from DER, 61' left of centerline, up to 13' AGL/186' MSL. Bush 246' from DER, 18' right of centerline, 13' AGL/162' MSL. **Rwy 31,** trees beginning 29' from DER, 143' left of centerline, up to 15' AGL/174' MSL. Poles beginning 204' from DER, 359' right of centerline, up to 43' AGL/177' MSL. Catenary 217' from DER, 451' right of centerline, 35' AGL/170' MSL. Trees beginning 210' from DER, 111' right of centerline, up to 34' AGL/172' MSL. Vehicles on road 211' from DER, 233' right of centerline, 15' AGL/167' MSL.

SPARREVOHN LRRS (PASV)

SPARREVOHN, AK

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

ORIG, 14205

Diverse departures not authorized.

CAUTION: Uncontrolled Airspace below 700' AGL within 3 NM of Sparrevohn airport.

TAKE-OFF MINIMUMS: **Rwy 16,** 2200-3 for climb in visual conditions. **Rwy 34,** NA.

DEPARTURE PROCEDURE: **Rwy 16,** obtain ATC approval for VCOA when requesting IFR clearance. Climb in visual conditions to cross Sparrevohn LRRS at or above 3600' MSL before proceeding on course. Remain within 3 NM of Sparrevohn LRRS during climb in visual conditions. **Rwy 34,** NA.

TAKE-OFF OBSTACLES: **Rwy 16,** terrain 1493' MSL, 1415' from DER, 850' left of centerline. Terrain 1513' MSL, 1124' from DER, 801' left of centerline. Terrain 1404' MSL, 196' from DER, 329' right of centerline.

TALKEETNA, AK

TALKEETNA (TKA) (PATK)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 2 10154 (FAA)

TAKEOFF MINIMUMS: **Rwy 18,** 300-1¼.

DEPARTURE PROCEDURE: **Rwy 18,** Climb heading 188° to 1500 then climbing right turn direct TKA VOR/DME, thence...**Rwy 36,** Climb heading 008° to 1000 then climbing left turn direct TKA VOR/DME, thence...

...continue climb-in-hold in TKA VOR/DME holding pattern (hold South, left turns, 352° inbound) to cross TKA VOR/DME at or above MEA/MCA for route of flight before proceeding on course.

NOTE: **Rwy 18,** trees beginning 1829' from DER, 978' left of centerline, up to 60' AGL/648' MSL. **Rwy 36,** tree 1117' from DER, 390' right of centerline, 60' AGL/484' MSL.

TANANA, AK

RALPH M CALHOUN MEMORIAL (TAL) (PATA)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 1 07354 (FAA)

TAKEOFF MINIMUMS: **Rwy 7,** std. w/ a min. climb of 405' per NM to 1300, or 1200-2½ for climb in visual conditions. **Rwy 25,** std. w/ a min. climb of 230' per NM to 600, or 1200-2½ for climb in visual conditions.

DEPARTURE PROCEDURE: **Rwy 7,** climbing right turn via heading 102° and TAL VOR/DME R-081 to SATUE/TAL 12 DME, or climb in visual conditions to cross Ralph M. Calhoun Memorial at or above 1300 then climb via TAL VOR/DME R081 to SATUE. **Rwy 25,** climbing left turn via heading 078° and TAL VOR/DME R-081 to SATUE, or climb in visual conditions to cross Ralph M. Calhoun Memorial at or above 1300 then climb via TAL VOR/DME R-081 to SATUE. All aircraft continue climb in SATUE/12 DME holding pattern (hold east, left turn, 261° inbound) to cross SATUE at or above 4000 before proceeding on course.

NOTE: **Rwy 7,** multiple trees beginning 9000' from DER, 2149' left of centerline, up to 60' AGL/809' MSL. **Rwy 25,** trees 845' from DER, 1156' right of centerline, up to 60' AGL/459' MSL.

TATALINA LRRS (PATL)

TAKOTNA, AK

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

ORIG, 14149

Diverse departures not authorized.

CAUTION: Uncontrolled Airspace below 1200' AGL within 4 NM of Tatalina airport.

DEPARTURE PROCEDURE: **Rwy 17,** use TATALINA DEPARTURE (RNAV1). **Rwy 35,** NA.

TATITLEK, AK

TATITLEK (7KA) (PAKA)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

ORIG-A 13010 (FAA)

TAKEOFF MINIMUMS: **Rwy 13,** std. w/min. climb of 358' per NM to 2500 or 3400-2 for climb in visual conditions. **Rwy 31,** std. w/min. climb of 370' per NM to 900 or 3400-2 for climb in visual conditions.

DEPARTURE PROCEDURE: **Rwy 13,** climbing right turn heading 146° and JOH R-338 to JOH VOR/DME before proceeding on course or. ..

Rwy 31, climbing left turn heading 252° to intercept JOH R-316 to JOH VOR/DME before proceeding on course. Do not exceed 180 KIAS until established on JOH R-316 or. ..

Rwys 13, 31, ... for climb in visual conditions: cross Tatitlek airport at or above 3300 then via JOH R-336 to JOH VOR/DME before proceeding on course. Do not exceed 180 KIAS until established on JOH R-336 to JOH VOR/DME.

Note: rapidly rising terrain northwest of procedure.

NOTE: **Rwy 13,** trees 335' from DER, 411' right of centerline, 39' AGL/79' MSL. Trees 11' from DER, 467' left of centerline, 34' AGL/74' MSL. Bush 429' from DER, 48' right of centerline, 12' AGL/52' MSL. Vent on building 1172' from DER, 767' left of centerline, 58' AGL/98' MSL. Pole 3072' from DER, 194' left of centerline, 99' AGL/139' MSL. **Rwy 31,** trees beginning 23' from DER, 339' right of centerline, up to 100' AGL/703' MSL.

TELLER, AK

TELLER (TER) (PATE)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

ORIG 09239 (FAA)

TAKEOFF MINIMUMS: **Rwy 7,** 500-2 w/ min. climb of 201' per NM to 1100 or std. w/ min. climb of 310' to 1100 or 1500-3 for climb in visual conditions. **Rwy 25,** 300-2 or std. w/ min. climb of 220' per NM to 700.

DEPARTURE PROCEDURE: **Rwy 7,** climb heading 075° to 1400 before turning right. For climb in visual conditions cross Teller Airport at or above 1600 before proceeding on course. **Rwy 25,** climb heading 255° to 1200 before turning left.

NOTE: **Rwy 7,** vehicles and vegetation beginning 57' from DER, 500' left of centerline, up to 15' AGL/314' MSL. **Rwy 25,** vegetation and terrain beginning 1052' from DER, 276' right of centerline, up to 10' AGL/359' MSL.

TIN CITY LRRS (PATC)

TIN CITY, AK

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

ORIG, 15008

Diverse Departures not authorized.

TAKE-OFF MINIMUMS: **Rwy 34,** 2500-3 for climb in visual conditions.

DEPARTURE PROCEDURE: **Rwy 16,** use HONPO DEPARTURE. **Rwy 34,** use JEKLI DEPARTURE.

VCOA: **Rwy 34,** Obtain ATC approval for VCOA when requesting IFR clearance. Climb in visual conditions to cross Tin City airport at or above 2600 before proceeding on course. Remain within 3.0 NM of Tin City airport during climb in visual conditions.

TAKE-OFF OBSTACLES: **Rwy 34,** terrain at the DER, 353' right of centerline, 260' MSL. Terrain 4228' from DER, 1027' left of centerline, 407' MSL. Terrain 4835' from DER, 970' left of centerline, 407' MSL. **Rwy 16,** NA - Terrain.

TOGIAK VILLAGE, AK

TOGIAK (TOG) (PATG)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 1 07018 (FAA)

TAKEOFF MINIMUMS: **Rwys10, 28,** NA-environmental

DEPARTURE PROCEDURE: **Rwy 3,** climb heading 028° to 1000, then climbing right turn to 2800 direct TOG NDB/DME, continue climb in TOG NDB/DME holding pattern (hold southwest, right turn, 023° inbound) to cross TOG NDB/DME at or above 2800 before proceeding on course. **Rwy 21,** climb heading 208° to 1000, then climbing left turn to 2800 direct TOG NDB/DME, continue climb in TOG NDB/DME holding pattern (hold southwest, right turn, 023° inbound) to cross TOG NDB/DME at or above 2800 before proceeding on course.

NOTE: **Rwy 21,** boats beginning 150' from DER, 500' left of centerline, up to 50' AGL/50' MSL.

TOK, AK

TOK JUNCTION (6K8) (PFTO)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

ORIG 06047 (FAA)

TAKEOFF MINIMUMS: **Rwy 7,** std. with a min. climb of 280' per NM to 2700, or 1200-3 for climb in visual conditions. **Rwy 25,** 300-1½ or std. with a min. climb of 360' per NM to 2300 and 230' per NM to 3600, or 1200-3 for climb in visual conditions.

DEPARTURE PROCEDURE: **Rwy 7,** climb to 8000 via heading 070° and ORT VORTAC R-286 direct ORT VORTAC, or for climb in visual conditions: cross Tok Junction Airport at or above 2700, then continue climbing to 8000 via heading 070° and ORT VORTAC R-286 direct ORT VORTAC. **Rwy 25,** climb to 2300 via heading 251°, then climbing right turn to 8000 via heading 060° and ORT VORTAC R-286 direct ORT VORTAC, or for climb in visual conditions: cross Tok Junction Airport at or above 2700, then continue climbing to 8000 via heading 070° and ORT VORTAC R-286 direct ORT VORTAC.

NOTE: **Rwy 25,** tower 1 NM from DER, 2150' left of centerline, 228' AGL/1863' MSL.

TOKSOOK BAY, AK

TOKSOOK BAY (OOK) (PAOO)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 1A 13234 (FAA)

TAKEOFF MINIMUMS: **Rwy 34,** std. w/min. climb of 481' per NM to 1700, or 1600-2½ for climb in visual conditions.

DEPARTURE PROCEDURE: **Rwy 16,** climb heading 165° to 1000 before proceeding on course. **Rwy 34,** for climb in visual conditions: Cross Toksook Bay Airport at or above 1500' MSL before proceeding on course. When executing VCOA notify ATC prior to departure.

NOTE: **Rwy 16,** multiple lights beginning at DER, 40' left of centerline, up to 4' AGL/51' MSL. Light 4' from DER, 78' right of centerline 2' AGL/52' MSL. Lights 50' from DER, 356' right of centerline, 34' AGL/84' MSL. **Rwy 34,** multiple lights beginning at DER, 39' left of centerline, up to 3' AGL/74' MSL. multiple lights beginning at DER, 39' right of centerline, up to 3' AGL/74' MSL.

UNALAKLEET, AK

UNALAKLEET (UNK) (PAUN)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 1 09183 (FAA)

TAKEOFF MINIMUMS: **Rwy 8,** 600-2¾ or std. w/ a min. climb of 380' per NM to 800. **Rwy 33,** 500-2 or std. w/ a min. climb of 380' per NM to 700.

DEPARTURE PROCEDURE: **Rwy 8,** climbing right turn to 1800 via heading 175° and UNK R-210, then climbing right turn to intercept UNK R-240 to UNK VOR/DME before proceeding on course. **Rwy 15,** climbing right turn to 1600 via heading 175° and UNK R-210, then climbing right turn to intercept UNK R-235 to UNK VOR/DME before proceeding on course. **Rwy 26,** climb to 1600 via heading 263° and UNK R-250, then climbing left turn to intercept UNK R-229 to UNK VOR/DME before proceeding on course. **Rwy 33,** climbing left turn to 1600 via heading 250 and UNK R-265, then climbing left turn to intercept UNK R -238 to UNK VOR/DME before proceeding on course.

NOTE: **Rwy 8,** tower 2.1 NM from DER, 2981' left of centerline, 308' AGL/608' MSL. Tree 2.4 NM from DER, 2858' left of centerline, 35' AGL/434' MSL. Vehicle on road 100' from DER, 152' left of centerline, 15' AGL/24' MSL. **Rwy 15,** antenna 1280' from DER, 133' left of centerline, 38' AGL/62' MSL. **Rwy 33,** trees beginning 1.4 NM from DER, 1877' right of centerline, up to 35' AGL/484' MSL. Vehicles on road beginning 18' from DER, 146' right of centerline, up to 15' AGL/33' MSL.

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UNALASKA, AK

UNALASKA (DUT) (PADU)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
AMDT 5 16203 (FAA)

TAKEOFF MINIMUMS: **Rwy 13,** 1000-3. NA at night-obstacles. **Rwy 31,** 600-2.

DEPARTURE PROCEDURE: **Rwys 13, 31,** climb in visual conditions until established on DUT NDB/DME 360° bearing over JADPI/DUT 2 DME (visual conditions must be maintained from TAKEOFF until established over JADPI at or above 400). Crss JADPI at or above 400 then climb on the 360° bearing from DUT NDB/DME to 5500 before proceeding on course.

NOTE: Rapidly rising terrain to above 2000' MSL east, south, and west of airport.

VALDEZ, AK

VALDEZ PIONEER FIELD (VDZ) (PAVD)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
AMDT 6 12040 (FAA)

DEPARTURE PROCEDURE: **Rwys 6, 24,** use JMAAL DEPARTURE.

VENETIE, AK

VENETIE (VEE) (PAVE)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
ORIG-A 14093 (FAA)

DEPARTURE PROCEDURE: **Rwy 4,** climbing right turn to intercept FYU VORTAC R-299 to FYU VORTAC. **Rwy 22**, climbing left turn to intercept FYU VORTAC R-292 to FYU VORTAC.

WALES, AK

WALES (IWK) (PAIW)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
ORIG 04218 (FAA)

TAKEOFF MINIMUMS: **Rwy 18,** 400-1½ or std. with a min. climb of 445' per NM to 600.

DEPARTURE PROCEDURE: **Rwy 18,** climb via heading 177° until crossing TNC NDB/DME bearing 228° then turn left heading 018° to intercept the 048° course to TNC NDB/DME. **Rwy 36,** climb via heading 357° to 2000 then turn right heading 183° to intercept the 153° course to TNC NDB/DME.

NOTE: **Rwy 18,** trees 1.2 NM from DER, 2334' left of centerline, 50' AGL/349' MSL.

WASILLA, AK

WASILLA (IYS) (PAWS)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
AMDT 2A 16203 (FAA)

DEPARTURE PROCEDURE: **Rwy 4,** climbing left turn direct BGQ VORTAC. Do not exceed 180 KIAS until passing BGQ VORTAC, thence ...
Rwy 22, climbing right turn direct BGQ VORTAC, thence ...
... aircraft departing BGQ VORTAC on radials 161° CW 336° climb on course. All other aircraft climb in holding pattern (hold N, right turns, 175° inbound) to cross BGQ VORTAC at or above appropriate MCA before proceeding on course.

NOTE: **Rwy 4,** trees beginning 150' from DER, left and right of centerline, up to 60' AGL/504' MSL. **Rwy 22,** trees beginning 9' from DER, left and right of centerline, up to 60' AGL/470' MSL.

WHITE MOUNTAIN, AK

WHITE MOUNTAIN (WMO) (PAWM)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
ORIG 13346 (FAA)

TAKEOFF MINIMUMS: **Rwy 33,** std. w/min. climb of 275' per NM to 1000 or 1000-2½ for climb in visual conditions.

DEPARTURE PROCEDURE: **Rwy 33**, climb heading 332° to 800 before turning right or for climb in visual conditions, cross White Mountain airport at or above 1100 before proceeding on course. When executing VCOA, notify ATC prior to departure.

NOTE: **Rwy 15**, cross 134' from DER, 323' left of centerline, 23' AGL/273' MSL. **Rwy 33**, trees beginning 32' from DER, 321' left of centerline, up to 55' AGL/255' MSL.

WILLOW, AK

WILLOW (UUO) (PAUO)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
ORIG 06271 (FAA)

DEPARTURE PROCEDURE: Use BIG LAKE DEPARTURE.

WRANGELL, AK

WRANGELL (WRG) (PAWG)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
AMDT 2 11237 (FAA)

DEPARTURE PROCEDURE: **Rwys 10, 28,** use LEVEL ISLAND DEPARTURE.

YAKUTAT, AK

YAKUTAT (YAK) (PAYA)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 5A 14149 (FAA)

DEPARTURE PROCEDURE: **Rwys 2, 11, 20, 29,** all aircraft climb to airway MEA for direction of flight direct YAK VOR/DME or OCC NDB, continue climb to MEA via assigned airway.

NOTE: **Rwy 2,** trees, obstruction light on tacan monitor, tower beginning 372' from DER, 237' left of centerline, up to 89' AGL/114' MSL. Trees beginning 457' from DER 317' right of centerline up to 74' AGL/99' MSL. Tree 4347' from DER, 1617' left of centerline, 148' AGL/167' MSL. **Rwy 11,** trees beginning 94' from DER, 344' right of centerline, up to 75' AGL/98' MSL. Trees beginning 121' from DER, 376' left of centerline, up to 63' AGL/86' MSL. Trees beginning 1658' from DER, 442' left of centerline, up to 92' AGL/115' MSL. **Rwy 20**, tree beginning 78' from DER, 364' left of centerline, up to 67' AGL/181' MSL. Trees beginning 129' from DER, 471' right of centerline, up to 50' AGL/60' MSL. Trees beginning 1013' from DER, 283' left of centerline, up to 86' AGL/96' MSL. Trees beginning 1087' from DER, 340' right of centerline, up to 50' AGL/64' MSL. Trees beginning 3657' from DER, 497' left of centerline, up to 137' AGL/147' MSL. Trees beginning 4184' from DER, 296' right of centerline, up to 148' AGL/158' MSL. **Rwy 29,** tree 50' from DER, 280' left of centerline, 27' AGL/54' MSL. Tree 122' from DER, 389' right of centerline, 52' AGL/79' MSL. Tree 1268' from DER, 696' left of centerline, 42' AGL/69' MSL. Trees beginning 1676' from DER, 729' right of centerline, up to 90' AGL/120' MSL. Trees 2675' from DER, 860' left of centerline, up to 108' AGL/138' MSL. Trees beginning 3303' from DER, 1050' right of centerline, up to 123' AGL/153' MSL.

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