

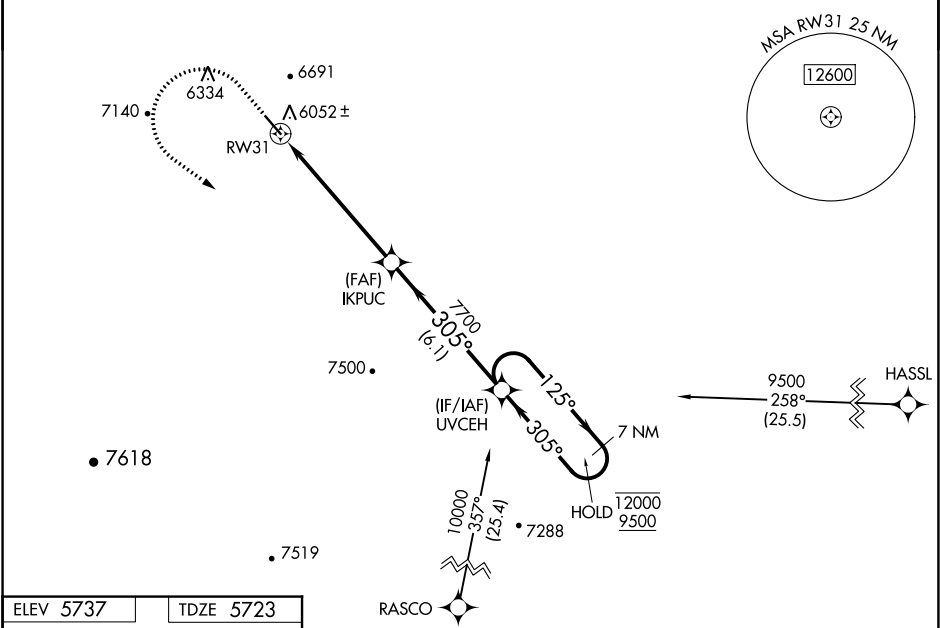
APP CRS	Rwy Idg	5032
305°	TDZE	5723
	Apt Elev	5737

RNAV (GPS) RWY 31

ESCALANTE MUNI (1L7)

RNP APCH - GPS.	MISSED APPROACH: Climb to 7600 then climbing left turn to 9500 direct UVCEH and hold, continue climb-in-hold to 9500. *Missed approach requires minimum climb of 328 feet per NM to 8000. #Missed approach requires minimum climb of 306 feet per NM to 7900.
Baro-VNAV NA. Rwy 31 helicopter visibility reduction below ¾ SM NA. Circling NA northeast of Rwy 13-31. Procedure NA at night. Use Page altimeter setting.	

PGA ASOS 120.625	SALT LAKE CENTER 133.6 269.25	UNICOM 122.8 (CTAF) 0
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ELEV 5737	TDZE 5723
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	7600	9500	UVCEH	UVCEH	7 NM Holding Pattern
	IKPUC	7700	305°	125°	12000 9500
	RW31	7700	305°	305°	GP 3.00° TCH 36
	6.1 NM	6.1 NM			
	CATEGORY	A	B	C	D
	LNAV/VNAV DA*	6534-2½	811 (800-2½)	NA	NA
LNAV MDA#	6720-1¼ 997 (1000-1¼)	6720-1½ 997 (1000-1½)	NA	NA	
LNAV/VNAV					

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

24025

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. An entry may also be listed that contains only Takeoff Obstacle Notes. 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.

BATTLE MOUNTAIN, NV

BATTLE MOUNTAIN (BAM)

TAKEOFF MINIMUMS AND (OBSTACLE)



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



24025

BEAVER, UT

BEAVER MUNI (U52)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

ORIG-A 03JAN19 (19003) (FAA)

TAKEOFF MINIMUMS:

Rwys 7, 25, NA - Obstacles

Rwys 13, 31, 2600-2% for VCOA.

VCOA:

Rwys 13, 31, obtain ATC approval for VCOA when requesting IFR clearance. Climb in visual conditions to cross Beaver Muni at or above 8300, then climb to 10100 on MLF VORTAC R-102 to MLF VORTAC. Do not exceed 210K until established on MLF VORTAC R-102.

TAKEOFF OBSTACLE NOTES:

Rwy 13, vegetation 429' from DER, 46' right of centerline, 5877' MSL.
Tree 642' from DER, 49' right of centerline, 5886' MSL.
Terrain 1344' from DER, 802' right of centerline, 5899' MSL.
Terrain 1725' from DER, 938' left of centerline, 5909' MSL.
Terrain 1729' from DER, 762' right of centerline, 5913' MSL.
Terrain beginning 1854' from DER, 7' left of centerline, up to 5913' MSL.
Terrain 1857' from DER, 559' right of centerline, 5916' MSL.
Terrain beginning 1981' from DER, 209' left of centerline, up to 5922' MSL.
Terrain beginning 1984' from DER, 357' right of centerline, up to 5919' MSL.
Terrain beginning 2109' from DER, 412' left of centerline, up to 5929' MSL.
Terrain beginning 2112' from DER, 154' right of centerline, up to 5926' MSL.
Terrain 2240' from DER, 47' left of centerline, 5932' MSL.
Terrain 2366' from DER, 817' left of centerline, 5936' MSL.
Terrain 2367' from DER, 250' left of centerline, 5939' MSL.
Terrain beginning 2369' from DER, 316' right of centerline, up to 5932' MSL.
Terrain beginning 2494' from DER, 452' left of centerline, up to 5942' MSL.
Terrain beginning 2496' from DER, 114' right of centerline, up to 5939' MSL.
Terrain beginning 2623' from DER, 88' left of centerline, up to 5949' MSL.
Terrain beginning 2750' from DER, 291' left of centerline, up to 5955' MSL.
Terrain beginning 2753' from DER, 275' right of centerline, up to 5942' MSL.
Terrain beginning 2879' from DER, 493' left of centerline, up to 5962' MSL.
Terrain beginning 2881' from DER, 73' right of centerline, up to 5949' MSL.
Terrain beginning 3007' from DER, 129' left of centerline, up to 5965' MSL.
Terrain

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

24025

BEAVER, UT (CON'T)

BEAVER MUNI (U52) (CON'T)

Rwy 13 (CON'T), terrain beginning 4807' from DER, 234' right of centerline, up to 6083' MSL.

Tree, terrain beginning 4892' from DER, 332' left of centerline, up to 6024' MSL.

Terrain, tree beginning 4935' from DER, 31' right of centerline, up to 6093' MSL.

Tree, terrain beginning 5122' from DER, 170' left of centerline, up to 6026' MSL.

Terrain, tree beginning 5191' from DER, 152' right of centerline, up to 6100' MSL.

Terrain, tree beginning 5444' from DER, 9' left of centerline, up to 6037' MSL.

Terrain beginning 5828' from DER, 49' left of centerline, up to 6050' MSL.

Terrain beginning 5961' from DER, 111' right of centerline, up to 6109' MSL.

Terrain beginning 1 NM from DER, 273' right of centerline, up to 6115' MSL.

Terrain beginning 1 NM from DER, 71' right of centerline, up to 6116' MSL.

Tree, terrain beginning 1 NM from DER, 435' right of centerline, up to 6117' MSL.

Terrain beginning 1 NM from DER, 232' right of centerline, up to 6126' MSL.

Tree, terrain beginning 1.1 NM from DER, 30' right of centerline, up to 6142' MSL.

Terrain, tree beginning 1.1 NM from DER, 192' right of centerline, up to 6146' MSL.

Terrain beginning 1.1 NM from DER, 10' left of centerline, up to 6070' MSL.

Terrain beginning 1.1 NM from DER, 151' right of centerline, up to 6159' MSL.

Terrain, tree beginning 1.2 NM from DER, 110' right of centerline, up to 6182' MSL.

Terrain beginning 1.2 NM from DER, 51' left of centerline, up to 6090' MSL.

Terrain, tree beginning 1.2 NM from DER, 272' right of centerline, up to 6201' MSL.

Terrain beginning 1.3 NM from DER, 91' left of centerline, up to 6109' MSL.

Terrain, tree beginning 1.3 NM from

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

24025

BLANDING, UT (CON'T)

BLANDING MUNI (BDG) (CON'T)

Rwy 35, vegetation, fence beginning 148' from DER, 247' right of centerline, up to 5880' MSL.
 Vehicle on road 173' from DER, 197' left of centerline, 5879' MSL.
 Tree, terrain beginning 276' from DER, 262' right of centerline, up to 5883' MSL.
 Tree, terrain, vehicle on road beginning 432' from DER, 16' right of centerline, up to 5887' MSL.
 Vehicle on road 467' from DER, 187' left of centerline, 5880' MSL.
 Vehicle on road 516' from DER, 37' left of centerline, 5882' MSL.
 Terrain, vehicle on road beginning 670' from DER, 194' right of centerline, up to 5889' MSL.
 Vehicle on road, terrain beginning 822' from DER, 363' right of centerline, up to 5893' MSL.
 Tree 1382' from DER, 822' right of centerline, 5909' MSL.
 Tree 2261' from DER, 1018' right of centerline, 5928' MSL.
 Trees beginning 2447' from DER, 1114' right of centerline, up to 5942' MSL.
 Pole 3149' from DER, 1300' right of centerline, 30' AGL/5956' MSL.
 Pole, building beginning 3242' from DER, 836' right of centerline, up to 46' AGL/5971' MSL.
 Tree 3651' from DER, 790' left of centerline, 5971' MSL.
 Pole, tree beginning 3889' from DER, 609' left of centerline, up to 33' AGL/5980' MSL.
 Pole beginning 3988' from DER, 65' right of centerline, up to 32' AGL/5987' MSL.
 Windmill, pole beginning 4135' from DER, 10' left of centerline, up to 5986' MSL.
 Pole, tree beginning 4174' from DER, 299' left of centerline, up to 36' AGL/5990' MSL.
 Pole 4199' from DER, 1272' right of centerline, 33' AGL/5979' MSL.
 Pole 4426' from DER, 1361' right of centerline, 34' AGL/5982' MSL.
 Pole 4467' from DER, 619' left of centerline, 29' AGL/5992' MSL.
 Pole 4492' from DER, 1264' right of centerline, 34' AGL/5984' MSL.
 Tree 4558' from DER, 739' left of centerline, 5998' MSL.
 Stadium, pole beginning 4594' from DER, 323' left of centerline, up to 6016' MSL.
 Pole beginning 4723' from DER, 1256' right of centerline, up to 32' AGL/5988' MSL.
 Pole 5080' from DER, 1356' right of centerline, 32' AGL/5996' MSL.
 Pole, tree beginning 5484' from DER, 370' left of centerline, up to 33' AGL/6019' MSL.
 Pole beginning 5494' from DER, 83' left of centerline, up to 37' AGL/6022' MSL.
 Tree 5561' from DER, 349' right of centerline, 6015' MSL.
 Tree, building beginning 5757' from DER, 189' left of centerline, up to 6026' MSL.
 Tree 1.1 NM from DER, 310' left of centerline, 6042' MSL.
 Building 1.1 NM from DER, 1517' right of centerline, 61' AGL/6054' MSL.
 Tower, pole beginning 1.2 NM from DER, 389' left of centerline, up to 65' AGL/6090' MSL.
 Tower 1.3 NM from DER, 104' right of centerline, 40' AGL/6070' MSL.
 Tower 1.3 NM from DER,

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

24025

BOULDER CITY, NV (CON'T)

BOULDER CITY MUNI (BVU) (CON'T)

Rwy 9 (CON'T), trees beginning 1956' from DER, 294' left of centerline, up to 48' AGL/2221' MSL.
 Catenaries beginning 2205' from DER, 1083' left of centerline, up to 79' AGL/2259' MSL.
 Catenaries, transmission lines beginning 3391' from DER, 208' left of centerline, up to 76' AGL/2267' MSL.
 Transmission line, catenary beginning 3730' from DER, 3' right of centerline, up to 98' AGL/2254' MSL.
 Tower 3984' from DER, 227' right of centerline, 118' AGL/2275' MSL.
 Transmission line 3989' from DER, 228' right of centerline, 119' AGL/2276' MSL.
 Tower 5076' from DER, 1016' left of centerline, 112' AGL/2301' MSL.
 Tower 5545' from DER, 1916' left of centerline, 110' AGL/2330' MSL.
Rwy 15, terrain 3' from DER, 395' left of centerline, 2103' MSL.
 Terrain, vertical point beginning 3' from DER, 112' left of centerline, up to 2105' MSL.
Rwy 27, terrain 5' from DER, 395' right of centerline, 2119' MSL.
 Terrain, sign, buildings beginning 15' from DER, 187' right of centerline, up to 2121' MSL.
 Fence, tree beginning 206' from DER, 170' right of centerline, up to 2' AGL/2123' MSL.

BRIGHAM CITY, UT

BRIGHAM CITY RGNL (BMC)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 7 15JUN23 (23166) (FAA)

DEPARTURE PROCEDURE:

Use OGDEN DEPARTURE.

TAKEOFF OBSTACLE NOTES:

Rwy 17, pole, vehicle on road beginning 265' from DER, 559' right of centerline, up to 33' AGL/4259' MSL.
 Pole 1063' from DER, 720' right of centerline, 36' AGL/4260' MSL.
 Poles beginning 1494' from DER, 588' right of centerline, up to 50' AGL/4274' MSL.
 Pole 2216' from DER, 1084' right of centerline, 82' AGL/4305' MSL.
Rwy 35, pole 9' from DER, 29' right of centerline, 6' AGL/4231' MSL.

BRYCE CANYON, UT

BRYCE CANYON (BCE)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES



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



24025

BULLHEAD CITY, AZ (CON'T)

LAUGHLIN/BULLHEAD INTL (IFP) (CON'T)

Rwy 16 (CON'T), grd beginning 2915' from DER, 1166' left of centerline, up to 800' MSL.

Grd beginning 3022' from DER, 1185' left of centerline, up to 804' MSL.

Grd beginning 3123' from DER, 1221' left of centerline, up to 809' MSL.

Grd beginning 3219' from DER, 1257' left of centerline, up to 814' MSL.

Grd beginning 3325' from DER, 1284' left of centerline, up to 818' MSL.

Grd beginning 3428' from DER, 1210' left of centerline, up to 821' MSL.

Grd beginning 3528' from DER, 1241' left of centerline, up to 824' MSL.

Grd, bush, tank beginning 3632' from DER, 1157' left of centerline, up to 825' MSL.

Tank 4810' from DER, 1528' left of centerline, 848' MSL.

Grd 5412' from DER, 1872' left of centerline, 852' MSL.

Grd, bushes beginning 5511' from DER, 926' left of centerline, up to 865' MSL.

Bushes beginning 5742' from DER, 1483' left of centerline, up to 883' MSL.

Grd, bushes beginning 5774' from DER, 793' left of centerline, up to 891' MSL.

Bush 5852' from DER, 1933' left of centerline, 904' MSL.

Grd, pole, bushes beginning 5856' from DER, 24' left of centerline, up to 920' MSL.

Trees, bushes, grd, tank beginning 1.2 NM from DER, left and right of centerline, up to 962' MSL.

Trees, bushes, grd beginning 1.3 NM from DER, 1' left of centerline, up to 985' MSL.

Bush 1.4 NM from DER, 1941' left of centerline, 993' MSL.

Bushes, grd, tank, pole beginning 1.5 NM from DER, 1919' left of centerline, up

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

24025

CEDAR CITY, UT (CON'T)

CEDAR CITY RGNL (CDC) (CON'T)

Rwys 20, 26, climbing right turn direct EHK VOR/DME, thence...

...continue climb on EHK VOR/DME R-278 until reaching the MEA/MCA for direction of flight.

VCOA:

Rwys 8, 20, 26, obtain ATC approval for VCOA when requesting IFR clearance. Climb in visual conditions to cross Cedar City Rgnl airport at or above 9700, then proceed on EHK VOR/DME R-180 direct EHK VOR/DME, then on EHK VOR/DME R-278 until reaching the MEA/MCA for direction of flight.

TAKEOFF OBSTACLE NOTES:

Rwy 2, sign abeam DER, 313' right of centerline, 3' AGL/5604' MSL.

Terrain and bush beginning 145' from DER, 420' right of centerline, up to 5608' MSL.

Rwy 8, terrain 3' from DER, 112' right of centerline, 5622' MSL.

Terrain 18' from DER, 221' right of centerline, 5623' MSL.

Terrain beginning 30' from DER, 178' right of centerline, up to 5624' MSL.

Terrain 122' from DER, 473' right of centerline, 5626' MSL.

Bush 125' from DER, 234' left of centerline, 5628' MSL.

Terrain 193' from DER, 491' right of centerline, 5627' MSL.

Fence and vehicles on road beginning 638' from DER, 33' right of centerline, up to 10' AGL/5639' MSL.

Vehicles on road 686' from DER, 136' right of centerline, 5640' MSL.

Vehicles on road 701' from DER, 242' right of centerline, 5641' MSL.

Transmission tower 2865' from DER, 369' right of centerline, 51' AGL/5707' MSL.



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



24025

CHANDLER, AZ (CON'T)

CHANDLER MUNI (CHD) (CON'T)

DIVERSE VECTOR AREA (RADAR VECTORS)

AMDT 1 20AUG15 (15232) (FAA)

Rwys 4L/R, 22L/R, heading as assigned by ATC.

STELLAR AIRPARK (P19)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 3 06DEC18 (18340) (FAA)

DEPARTURE PROCEDURE:

Rwy 17, climbing left turn heading 150° thence...

Rwy 35, climbing right turn heading 190° thence...

... Intercept TFD VORTAC R-350 southbound to TFD VORTAC.

TAKEOFF OBSTACLE NOTES:

Rwy 17, pole 648' from DER, 482' left of centerline, 52' AGL/1212' MSL.

Pole 656' from DER, 190' left of centerline, 52' AGL/1213' MSL.

Poles beginning 661' from DER, 39' right of centerline, up to 34' AGL/1196' MSL.

Poles beginning 671' from DER, 420' right of centerline, up to 52' AGL/1216' MSL.

Transmission line, sign beginning 869' from DER, 288' right of centerline, up to 50' AGL/1224' MSL.

Sign 906' from DER, 260' left of centerline, 42' AGL/1214' MSL.

Rwy 35, pole 72' from DER, 357' left of centerline, 30' AGL/1208' MSL.

Building 777' from DER, 300' right of centerline, 30' AGL/1218' MSL.

Building 1282' from DER, 767' right of centerline, 45' AGL/1233' MSL.

CLIFTON/MORENCI, AZ

GREENLEE COUNTY (CFT)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

ORIG 29JUL10 (10210) (FAA)



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



24025

DAVIS-MONTHAN AFB (KDMA)

TUCSON, AZ

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 4 07SEP23 (23250) (USAF)

DEPARTURE PROCEDURE:

Rwy 12, climb to 5700 and track 125°, intercept DMA R-119 to WUDAR (DMA R-119/16 DME) expect RADAR vectors.**Rwy 30**, climb to 5500 and track 305°, intercept DMA R-310 to OTUKE (DMA R-310/16.4 DME) expect RADAR vectors.

TAKEOFF OBSTACLE NOTES:

Rwy 12, terrain 0' from DER, 500' left of centerline, 2707' MSL.**Rwy 30**, terrain 0' from DER, 500' right of centerline, 2592' MSL.

Terrain 0' from DER, 484' right of centerline, 2592' MSL.

DELTA, UT

DELTA MUNI (DTA)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 1 02DEC21 (21336) (FAA)

DEPARTURE PROCEDURE:

Use DELTA DEPARTURE.

TAKEOFF OBSTACLE NOTES:

Rwy 17, lighting beginning 41' from DER, 76' right of centerline, 3' AGL/4754' MSL.

Tree 609' from DER, 596' right of centerline, 4780' MSL.

Rwy 35, vegetation, lighting beginning 9' from DER, 77' right of centerline, up to 4763' MSL.

Vegetation 47' from DER, 349' left of centerline, 4763' MSL.

Fence 76' from DER, 390' right of centerline, 10' AGL/4769' MSL.

Vehicles on road 177' from DER, 477' right of centerline, 4770' MSL.

Vehicles on road 227' from DER, 458' right of centerline, 4771' MSL.

DOUGLAS BISBEE, AZ



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



24025

ELKO, NV

ELKO RGNL (EKO)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 6 26MAY16 (16147) (FAA)

TAKEOFF MINIMUMS:

Rwy 12, 30, NA-ATC.**Rwy 6**, std. w/min. climb of 500' per NM to 7200, or 2000-3 for climb in visual conditions.**Rwy 24**, std. w/min. climb of 390' per NM to 8400, or 2000-3 for climb in visual conditions.

DEPARTURE PROCEDURE:

Rwy 6, climb heading 057° to 6500, then climbing right turn direct BQU VOR/DME, thence. . .**Rwy 24**, climb heading 237° to 6100, then climbing left turn direct BQU VOR/DME, thence. . .

. . . Continue climb in BQU VOR/DME holding pattern (hold south, left turns, 340° inbound) to cross BQU VOR/DME at or above MEA/MCA for route of flight.

VCOA:

Rwy 6, 24, obtain ATC approval for climb in visual conditions when requesting IFR clearance. Climb in visual conditions to cross Elko Rgnl airport at or above 7000, then proceed to BQU VOR/DME and continue climb in BQU VOR/DME holding pattern (hold south, left turns, 340° inbound) to cross BQU VOR/DME at or above MEA/MCA for route of flight.

TAKEOFF OBSTACLE NOTES:

Rwy 6, OL on ltd wsk 253' from DER, 155' right of centerline, 5095' MSL.

Lt poles, beginning 277' from DER, 332' right of centerline, up to 5097' MSL.

Trees, buildings, and ants on ol buildings, beginning 676' from DER, 209' right of centerline, up to 5111' MSL.

Pole 765' from DER, 422' left of centerline, 5110' MSL.

Ols on poles, beginning 903' from DER, 435' left of centerline, up to 5130' MSL.

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

24025

FALLON, NV

FALLON MUNI (FLX)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 1A 20JUN19 (19171) (FAA)

TAKEOFF MINIMUMS:

Rwys 13, 31, NA - Environmental

DEPARTURE PROCEDURE:

Rwy 3, climbing left turn, thence...**Rwy 21**, climbing right turn, thence...

... to 9300 direct HZN VORTAC, continue climb in HZN VORTAC holding pattern (hold west, left turn 075° inbound) cross HZN VORTAC at or above 9300 before proceeding on course, continue climb to MEA or assigned altitude.

TAKEOFF OBSTACLE NOTES:

Rwy 3, sign, trees beginning 9' from DER, 37' left of centerline, up to 5' AGL/3966' MSL.

Tree 121' from DER, 173' right of centerline, 3966' MSL.

Traverse way beginning 134' from DER, 357' right of centerline, up to 3972' MSL.

Trees beginning 146' from DER, 469' left of centerline, up to 6' AGL/3969' MSL.

Traverse way, tree beginning 315' from DER, 232' right of centerline, up to 3974' MSL.

Tree 1068' from DER, 199' left of centerline, 37' AGL/3995' MSL.

Trees beginning 1086' from DER, 208' left of centerline, up to 4002' MSL.

Tree 1093' from DER, 193' right of centerline, 38' AGL/3992' MSL.

Trees, pole beginning 1214' from DER, 306' left of centerline, up to 61' AGL/4018' MSL.

Trees beginning 2148' from DER, 819' left of centerline, up to 4023' MSL.

Tree 2319' from DER, 763' left of centerline, 58' AGL/4024' MSL.

Trees



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



24025

FILLMORE, UT (CON'T)

FILLMORE MUNI (FOM) (CON'T)

Rwy 22, fence 97' from DER, 302' left of centerline, 15' AGL/4916' MSL.

Vehicle on road beginning 228' from DER, 398' left of centerline, up to 9' AGL/4928' MSL.

FLAGSTAFF, AZ

FLAGSTAFF PULLIAM (FLG)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 2A 06FEB14 (23222) (FAA)

DEPARTURE PROCEDURE:

Rwy 3, turn right, aircraft departing FLG VOR/DME R-160 CW R-175 climb on course. All others climb southbound on FLG VOR/DME R-172 to 9000, then climbing left turn direct FLG VOR/DME.

Rwy 21, turn left, aircraft departing FLG VOR/DME R-160 CW R-175 climb on course. All others climb southbound on FLG VOR/DME R-172 to 9000, then climbing left turn direct FLG VOR/DME.

TAKEOFF OBSTACLE NOTES:

Rwy 21, trees beginning 73' from DER, left and right of centerline, up to 85' AGL/7065' MSL.

FORT HUACHUCA SIERRA VISTA, AZ

SIERRA VISTA MUNI-LIBBY AAF (FHU)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 4 13SEP18 (18256) (FAA)

TAKEOFF MINIMUMS:

Rwy 21, NA-terrain.

Rwy 26, std. w/min. climb of 335' per NM to 7300', or 2800-3 for VCOA

DEPARTURE

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

24025

GLOBE, AZ

SAN CARLOS APACHE (P13)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 2 10APR08 (08101) (FAA)

DEPARTURE PROCEDURE:

Use IZTIR DEPARTURE.

GOODYEAR, AZ

PHOENIX GOODYEAR (GYR)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 2 24MAY18 (18144) (FAA)

DEPARTURE PROCEDURE:

Use POTER (RNAV) DEPARTURE.

TAKEOFF OBSTACLE NOTES:

Rwy 3, poles beginning 159' from DER, 267' right of centerline, up to 47' AGL/1,015' MSL.

Building 1512' from DER, 828' right of centerline, 48' AGL/1,014' MSL.

Tree 1,957' from DER, 551' right of centerline, up to 49' AGL/1,019' MSL.

Rwy 21, transmission tower 2610' from DER, 1,078' left of centerline, 125' AGL/1,047' MSL.

Transmission tower 3,190' from DER, 311' left of centerline, 112' AGL/1,031' MSL.

Pole 3,193' from DER, 308' left of centerline, 112' AGL/1,030' MSL.

DIVERSE VECTOR AREA (RADAR VECTORS)

AMDT 1 21JUL16 (16203) (FAA)

Rwy 3, 21, heading as assigned by ATC.

GRAND CANYON, AZ

GRAND CANYON NTL PARK (GCN)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

ORIG 30AUG07 (21168) (FAA)

TAKEOFF MINIMUMS:

Rwy



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



24025

HEBER, UT

HEBER VALLEY (HCR)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 4A 15AUG19 (19227) (FAA)

TAKEOFF MINIMUMS:

Rwys 4, 22, 5800-5 for VCOA. VCOA NA at night.

VCOA:

Rwys 4, 22, obtain ATC approval for VCOA when requesting IFR clearance. Climb in visual conditions to cross Heber Valley airport at or above 11300 before proceeding on course.

TAKEOFF OBSTACLE NOTES:

Rwy 4, fence abeam DER, 301' left of centerline, 16' AGL/5647' MSL.

Pole 24' from DER, 404' left of centerline, up to 33' AGL/5659' MSL.

Bush 23' from DER, 61' left of centerline, up to 5639' MSL.

Terrain 109' from DER, 428' right of centerline, 5642' MSL.

Multiple poles, tree, beginning 200' from DER, 269' left of centerline, up to 36' AGL/5666' MSL.

Tree, fence beginning 252' from DER, 249' right of centerline, up to 5659' MSL.

Pole 319' from DER, 404' left of centerline, up to 5670' MSL.

Tree, pole beginning 662' from DER, 404' left of centerline, up to 5681' MSL.

Tree, sign, pole beginning 710' from DER, 281' left of centerline, up to 5682' MSL.

Building beginning 1066' from DER, 42' right of centerline, up to 5674' MSL.

Tree, pole beginning 1120' from DER, 181' right of centerline, up to 5689' MSL.

Tree, pole beginning 1281' from DER, 278' right of centerline, up to 5690' MSL.

Trees beginning 1773' from DER, 23



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



24025

KINGMAN, AZ

KINGMAN (IGM)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 1A 16JUL20 (21168) (FAA)

TAKEOFF MINIMUMS:

Rwys 3, 35, 2000-2 or std. w/min. climb of 275' per NM to 5500.**Rwys 17, 21**, NA.

DEPARTURE PROCEDURE:

Climb northbound on IGM R-010 until reaching 6000; reverse course to the left and continue climb to 9000 direct to IGM. If unable to cross IGM at 9000 continue climb in IGM holding pattern (SW, left turns, 027° inbound).

TAKEOFF OBSTACLE NOTES:

Rwy 3, terrain and vegetation beginning 171' from DER, 264' right of centerline, up to 3402' MSL.**Rwy 35**, terrain beginning 32' from DER, 172' right of centerline, up to 3363' MSL.

Fence 306' from DER, 392' right of centerline, 6' AGL/3368' MSL.

Traverse way 441' from DER, 274' right of centerline, up to 15' AGL/3372' MSL.

LAGUNA AAF (KLGf)

YUMA PROVING GROUND, AZ

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 3 05OCT23 (23278) (USA)

TAKEOFF MINIMUMS:

Rwy 6, std w/min climb of 284' per NM to 2700.**Rwy 18**, std w/min climb of 248' per NM to 1200.**Rwy 36**, 300-2 or std w/min climb of 222' per NM to 1200.



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



24025

LAS VEGAS, NV

HARRY REID INTL (LAS)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 8 17AUG17 (23138) (FAA)

TAKEOFF MINIMUMS:

- Rwy 1L**, 300-1 or std. w/min. climb of 269' per NM to 2300.
Rwy 19L, std. w/min. climb of 256' per NM to 3400.
Rwy 19R, std. w/min. climb of 242' per NM to 3400.
Rwy 26L, 300-2½ or std. w/min. climb of 214' per NM to 2400.
Rwy 26R, 400-2½ or std. w/min. climb of 270' per NM to 2400.

DEPARTURE PROCEDURE:

- Rwys 1L/R**, climbing right turn direct BLD VORTAC before proceeding on course.
Rwys 8L/R, climb heading 079° to 3700, then climbing right turn direct BLD VORTAC before proceeding on course.
Rwys 19L/R, climb heading 194° to 2800, then climbing left turn heading 120° and BLD R-257 to BLD VORTAC before proceeding on course.
Rwys 26L/R, climb heading 259° to 2800, then climbing right turn direct BLD VORTAC before proceeding on course.

TAKEOFF OBSTACLE NOTES:

- Rwy 1L**, REIL 23' from DER, 153' left of centerline, 3' AGL/2090' MSL.
 Sign 1037' from DER, 695' left of centerline, 41' AGL/2125' MSL.
 Building 1556' from DER, 552' left of centerline, 2129' MSL.
 Building 1779' from DER, 649' left of centerline, 2147' MSL.
 Buildings beginning 1907' from DER, 186' left of centerline, up to 2150' MSL.
 Buildings beginning 1977' from DER, 214' left of centerline, up to 2150' MSL.
 Buildings beginning 2095' from DER, 275' left of centerline, up to 83' AGL/2153' MSL.
 Buildings beginning 3953' from DER, 1397' left of centerline, up to 162' AGL/2226' MSL.
 Building 4126' from DER, 1090' left of centerline, 2229' MSL.
 Building 4542' from DER, 1400' left of centerline, 183' AGL/2240' MSL.
 Building 4604' from DER, 1367' left of centerline, 186' AGL/2243' MSL.
Rwy 1R, building 609' from DER, 538'



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



24025

LAS VEGAS, NV (CON'T)

HARRY REID INTL (LAS) (CON'T)

Rwy 19R, ground 60' from DER, 475' right of centerline, 2186' MSL.
Ground 151' from DER, 529' right of centerline, 2190' MSL.
Building 194' from DER, 444' right of centerline, 9' AGL/2199' MSL.
NAVAID 262' from DER, 408' right of centerline, 14' AGL/2206' MSL.
Vehicles on road, ground, control box beginning 348' from DER, 42' right of centerline, up to 2208' MSL.
Pole, vehicles on road beginning 503' from DER, 434' right of centerline, up to 2218' MSL.
Pole, sign, vehicles on road, flag pole, fence beginning 592' from DER, 277' right of centerline, up to 37' AGL/2234' MSL.
Signs, parking lot, vehicles on road, building, pole, tree beginning 844' from DER, 266' right of centerline, up to 41' AGL/2240' MSL.
Tower, fence, vehicles on road, sign beginning 961' from DER, 175' right of centerline, up to 41' AGL/2243' MSL.
T-L tower, vehicles on road, railroad, pole, railroad crossing signal control box, parking lot beginning 1132' from DER, 8' right of centerline, up to 47' AGL/2249' MSL.
Railroad 1219' from DER, 701' left of centerline, 2222' MSL.
Railroad 1230' from DER, 656' left of centerline, 2223' MSL.
Railroad 1240' from DER, 585' left of centerline, 2224' MSL.
Railroad 1246' from DER, 448' left of centerline, 2225' MSL.
Railroad, pole beginning 1247' from DER, 76' left of centerline, up to 2226' MSL.
Poles, tree, vehicles on road, sign beginning 1392' from DER, 15' left of centerline, up to 36' AGL/2238' MSL.
Poles, tree, parking lot, building beginning 1726' from DER, 11' right of centerline, up to 2254' MSL.
Pole, tree beginning 1823' from DER, 78' left of centerline, up to 34' AGL/2242' MSL.
Pole 1933' from DER, 313' left of centerline, 34' AGL/2243' MSL.
Pole, tree beginning 1935' from DER, 12' left of centerline, up to 36' AGL/2245' MSL.
Pole, tree beginning 2036' from DER, 5' left of centerline, up to 35' AGL/2246' MSL.
Poles, building, tree beginning 2043' from DER, 221' right of centerline, up to 2255' MSL.
Pole, tree beginning 2133' from DER, 19' left of centerline, up to 36' AGL/2247' MSL.
Tree, poles, sign, building beginning 2146' from DER, 14' right of centerline, up to 2259' MSL.
Pole, building, tree beginning 2234' from DER, 12' left of centerline, up to 35' AGL/2249' MSL.
Pole, tree beginning 2335' from DER, 88' left of centerline, up to 36' AGL/2250' MSL.
Sign, tree, poles, building beginning 2381' from DER, 37' left of centerline, up to 41' AGL/2257' MSL.<



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



24025

LAS VEGAS, NV (CON'T) HARRY REID INTL (LAS) (CON'T)

Rwy 26R, NAVAIDs, building beginning 533' from DER, 367' left of centerline, up to 14' AGL/2206' MSL.
NAVAIDs beginning 533' from DER, on centerline, up to 5' AGL/2195' MSL.
Vehicles on road beginning 666' from DER, crossing left and right of centerline, up to 2208' MSL.
Pole 785' from DER, 592' left of centerline, 2218' MSL.
Pole, tree beginning 786' from DER, 8' left of centerline, up to 2220' MSL.
Trees beginning 821' from DER, 49' right of centerline, up to 25' AGL/2214' MSL.
Pole, sign, tree, building beginning 873' from DER, 347' left of centerline, up to 37' AGL/2234' MSL.
Trees beginning 952' from DER, 48' right of centerline, up to 2233' MSL.
Pole, tree, railroad beginning 1093' from DER, 531' left of centerline, up to 38' AGL/2237' MSL.
Trees beginning 1559' from DER, 555' right of centerline, up to 2259' MSL.
Tree, building, railroad beginning 1812' from DER, 191' left of centerline, up to 2246' MSL.
Building 2501' from DER, 881' left of centerline, 2254' MSL.
Poles beginning 3002' from DER, 543' left of centerline, up to 44' AGL/2271' MSL.
Poles beginning 3005' from DER, 743' left of centerline, up to 48' AGL/2277' MSL.
Pole 3116' from DER, 1022' right of centerline, 101' AGL/2309' MSL.
Sign 3339' from DER, 278' left of centerline, up to 2286' MSL.
Communication tower 4521' from DER, 704' right of centerline, 2332' MSL.
Sign 1.3 NM from DER, 2649' left of centerline, 80' AGL/2384' MSL.
Pole 1.5 NM from DER, 2801' left of centerline, 100' AGL/2444' MSL.
Pole 1.6 NM from DER, 2832' left of centerline, up to 100' AGL/2455' MSL.
Pole, communication tower beginning 1.7 NM from DER, 2068' left of centerline, up to 100' AGL/2463' MSL.
Pole 1.7 NM from DER, 2845' left of centerline, 135' AGL/2469' MSL.
Transmission tower 2.1 NM from DER, 3453' left of centerline, 134' AGL/2490' MSL.

LAS VEGAS, NV HENDERSON EXEC (HND)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES AMDT 1 22JUN17 (21112) (FAA)

TAKEOFF MINIMUMS:

Rwys 17L/R, std. w/min. climb of 491' per NM to 6000 or 2800-2% for VCOA.

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

24025

LOGAN, UT

LOGAN-CACHE (LGU)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 8 17DEC09 (09351) (FAA)

TAKEOFF MINIMUMS:

Rwys 10, 28, NA-obstacles.

DEPARTURE PROCEDURE:

Rwys 17, 35, use ORNEY DEPARTURE.

LOVELOCK, NV

DERBY FLD (LOL)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 1 03JAN19 (21280) (FAA)

TAKEOFF MINIMUMS:

Rwy 2, std. w/min. climb of 415' per NM to 8200 or 3200-3 for climb in visual conditions.**Rwys 8, 20**, std. w/min. climb of 340' per NM to 8200 or 3200-3 for climb in visual conditions.**Rwy 26**, std. w/min. climb of 400' per NM to 8200 or 3200-3 for climb in visual conditions.

DEPARTURE PROCEDURE:

Rwy 2, climb to 6500 then climbing left turn direct LLC VORTAC, thence...**Rwys 8, 20, 26**, climb to 5700 then climbing left turn direct LLC VORTAC, thence...

...Climb in LLC VORTAC holding pattern (north, left turn, 169° inbound) to depart LLC VORTAC at or above 8800, continue climb on course to MEA or assigned altitude.

VCOA:

Obtain ATC approval for VCOA when requesting IFR clearance. Climb in visual conditions to cross Derby Fld airport at or above 7000 before proceeding on course.

TAKEOFF OBSTACLE NOTES:

Rwy 2, vegetation 13' from DER, 141' right of centerline, 3908' MSL.

Sign 17' from DER, 199' left of centerline, 2' AGL/3909' MSL.

Vegetation 54' from DER, 155' right of centerline, 3909' MSL.



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



24025

MARANA, AZ

MARANA RGNL(AVQ)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

ORIG-A 22AUG13 (13234) (FAA)

TAKEOFF MINIMUMS:

Rwys 3, 12, N/A-Obstacles

DEPARTURE PROCEDURE:

Rwy 21, climb to 6500 via heading 360° and TUS R-308 to TOTEC INT/TUS 57 DME, then as filed.**Rwy 30**, climb to 6500 via heading 303° intercept TUS R-308 above 3500, to TOTEC INT/TUS 57 DME, then as filed.

TAKEOFF OBSTACLE NOTES:

Rwy 21, road 53' from DER, 413' left of centerline, 15' AGL/2035' MSL.

Tree 800' from DER, 695' left of centerline, 32' AGL/2043' MSL.

Multiple trees and poles beginning 518' from DER, 190' right of centerline, up to 38' AGL/2049' MSL.

Rwy 30, multiple trees beginning 148' from DER, 275' right of centerline, up to 19' AGL/2020' MSL.

MESA, AZ

FALCON FLD (FFZ)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 4 29JUL10 (21112) (FAA)

DEPARTURE PROCEDURE:

Use MESA DEPARTURE.

DIVERSE VECTOR AREA (RADAR VECTORS)

AMDT 1 07JAN16 (16007) (FAA)

Rwy 4L, heading as assigned by ATC; requires minimum climb of 480' per NM to 3800.**Rwy 4R**, heading as assigned by ATC; requires minimum climb of 500' per NM to 3700.</



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



24025

MESQUITE, NV

MESQUITE (67L)

Rwy 2 (CON'T), terrain beginning 1.5 NM from DER, 2769' left of centerline, up to 2259' MSL.
Terrain 1.7 NM from DER, 3138' left of centerline, 2244' MSL.
Rwy 20, lighting 1' from DER, 46' left of centerline, 2' AGL/1876' MSL.
Lighting 3' from DER, 89' right of centerline, 2' AGL/1876' MSL.
Traverse way 4' from DER, 355' right of centerline, 1878' MSL.
Transmission line 453' from DER, 308' left of centerline, 70' AGL/1888' MSL.

MICHAEL AAF (KDPG),

DUGWAY PROVING GROUND, UT

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 2 23AUG12 (12236)

DEPARTURE PROCEDURES:

Rwy 12, Climb heading 122° to 5700, then climbing right turn on a heading between 202° CW to 302° to 10,000 before proceeding on course.
Rwy 30, Climbing left turn on a heading between 267° CW to 300° to 10,000 before proceeding on course.

MILFORD, UT

MILFORD MUNI/BEN AND JUDY BRISCOE FLD (MLF)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 2 05APR12 (21112) (FAA)

TAKEOFF MINIMUMS:

Rwy 34, std. w/min. climb of 487' per NM to 6500 or 1500-3 for climb in visual conditions.

DEPARTURE PROCEDURE:

Rwy 16, climb direct MLF VORTAC, thence...

...aircraft departing on V235 or V21 southbound proceed on course.

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

24025

MOAB, UT (CON'T)

CANYONLANDS RGNL (CNY) (CON'T)

TAKEOFF OBSTACLE NOTES:

Rwy 3, terrain 46' from DER, 484' right of centerline, 4559' MSL.
 Tree 63' from DER, 481' left of centerline, 4564' MSL.
 Tree 86' from DER, 509' left of centerline, 4565' MSL.
 Electrical system 135' from DER, 529' right of centerline, 34' AGL/4595' MSL.
 Transmission line 1108' from DER, 589' right of centerline, 51' AGL/4596' MSL.
 Transmission line 1786' from DER, 606' left of centerline, 50' AGL/4603' MSL.
 Terrain 1.5 NM from DER, 1600' right of centerline, 4827' MSL.
 Terrain 2.5 NM from DER, 1185' left of centerline, 4990' MSL.
Rwy 21, bush beginning 60' from DER, 79' left of centerline, up to 10' AGL/4581' MSL.
 Bush beginning 132' from DER, 65' right of centerline, up to 10' AGL/4597' MSL.
 Pole 1658' from DER, 128' left of centerline, 85' AGL/4625' MSL.
 Pole 1710' from DER, 319' right of centerline, 4602' MSL.
 Pole 1827' from DER, 831' right of centerline, 4623' MSL.
 Bush 1.5 NM from DER, 2256' left of centerline, 10' AGL/4797' MSL.
 Bush beginning 1.9 NM from DER, 3289' right of centerline, up to 4868' MSL.
 Terrain 1.9 NM from DER, 2742' right of centerline, 4899' MSL.
 Traverse way beginning 2 NM from DER, 39' left of centerline, up to 10' AGL/4984' MSL.
 Traverse way beginning 2.1 NM from DER, 297' left of centerline, up to 10' AGL/4994' MSL.
 Trees beginning 2.1 NM from DER, 91' left of centerline, up to 10' AGL/5014' MSL.

MONTICELLO, UT

MONTICELLO (U64)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

ORIG 15JUN23 (23166) (FAA)

TAKEOFF MINIMUMS:

Rwy 16, std. w/min. climb of 240' per NM to 14700 or 4800-5 for VCOA.
Rwy 34, std. w/min. climb of 260' per NM to 14700 or 4800-5 for VCOA.

DEPARTURE PROCEDURE:

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

24025

NOGALES, AZ

NOGALES INTL (OLS)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 3 08NOV18 (18312) (FAA)

TAKEOFF MINIMUMS:

Use NOGALES DEPARTURE.

TAKEOFF OBSTACLE NOTES:

Rwy 3, tree 58' from DER, 455' left of centerline, 3963' MSL.
 Tree 80' from DER, 174' right of centerline, 6' AGL/3958' MSL.
 Trees beginning 97' from DER, 446' left of centerline, up to 15' AGL/3964' MSL.
 Tree 252' from DER, 43' right of centerline, 5' AGL/3962' MSL.
 Tree 261' from DER, 463' left of centerline, 3971' MSL.
 Trees beginning 308' from DER, 37' right of centerline, up to 9' AGL/3964' MSL.
 Trees, fence beginning 334' from DER, 136' left of centerline, up to 3987' MSL.
 Trees beginning 368' from DER, 64' right of centerline, up to 3991' MSL.
 Tree, terrain beginning 603' from DER, 546' right of centerline, up to 3993' MSL.
 Trees, fence, terrain beginning 659' from DER, 13' left of centerline, up to 3995' MSL.
 Trees, terrain, fence beginning 833' from DER, 103' right of centerline, up to 4010' MSL.
 Trees, terrain beginning 1179' from DER, 118' left of centerline, up to 5' AGL/3996' MSL.
 Trees, terrain beginning 1199' from DER, 97' right of centerline, up to 4036' MSL.
 Trees, terrain beginning 1241' from DER, 66' left of centerline, up to 4018' MSL.
 Trees, terrain beginning 1412' from DER, 90' right of centerline, up to 4043' MSL.
 Traverse way, terrain beginning 1624' from DER, 642' left of centerline, up to 4028' MSL.
 Terrain beginning 1637' from DER, 2' right of centerline, up to 4052' MSL.
 Trees, traverse way, terrain beginning 1688' from DER, 45' left of centerline, up to 4035' MSL.
 Terrain beginning 1825' from DER, 38' right of centerline, up to 4067' MSL.
 Pole, traverse way, trees beginning 1853' from DER, 475' left of centerline, up to 21' AGL/4043' MSL.
 Terrain 2033' from DER, 186' left of centerline, 4047' MSL.
 Trees, traverse way, terrain beginning 2041' from DER, 74' left of centerline, up to 7' AGL/4052' MSL.
 Terrain 2221' from DER, 269' left of centerline, 4055' MSL.
 Tree, traverse way, terrain beginning 2253' from DER, 170' left of centerline, up to 18' AGL/4080' MSL.
 Terrain beginning 23



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



24025

OGDEN, UT

OGDEN-HINCKLEY (OGD)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 2B 28FEB19 (23054) (FAA)

DEPARTURE PROCEDURE:

Use EMONT DEPARTURE.

TAKEOFF OBSTACLE NOTES:

Rwy 3, NAVAJA, vehicle on road beginning 195' from DER, 267' right of centerline, up to 17' AGL/4426' MSL.

Pole 241' from DER, 535' left of centerline, 39' AGL/4447' MSL.

Pole 348' from DER, 582' right of centerline, 41' AGL/4451' MSL.

Trees, building beginning 375' from DER, 62' left of centerline, up to 4451' MSL.

Tree, pole beginning 430' from DER, 502' right of centerline, up to 4455' MSL.

Rwy 21, tree 702' from DER, 649' left of centerline, 4492' MSL.

Tree 1133' from DER, 701' left of centerline, 4513' MSL.

Trees, building, pole beginning 2074' from DER, 792' left of centerline, up to 4570' MSL.

Tree 3429' from DER, 421' right of centerline, 4561' MSL.

Rwy 35, tree 209' from DER, 185' left of centerline, 4446' MSL.

Tree 243' from DER, 233' left of centerline, 4447' MSL.

Trees beginning 292' from DER, 87' right of centerline, up to 4454' MSL.

Tree 686' from DER, 397' right of centerline, 4479' MSL.

OWYHEE, NV

OWYHEE (10U)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES



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



24025

PANGUITCH, UT

PANGUITCH MUNI (U55)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

ORIG 02JUN11 (11153) (FAA)

TAKEOFF MINIMUMS:

Rwy 18, std. w/min. climb of 350' per NM to 9200 or 2200-3 for climb in visual conditions.

Rwy 36, std. w/min. climb of 450' per NM to 9500 or 2200-3 for climb in visual conditions.

DEPARTURE PROCEDURE:

Rwy 18, climb heading 185° to 9200 then left turn to intercept BCE VORTAC R-274, continue climb to 12000 to BCE VORTAC, or for climb in visual conditions: cross Panguitch Muni Airport southeast bound at or above 8800' MSL then via BCE R-320 to BCE VORTAC thence ...

Rwy 36, climb heading 005° to 9500 then left turn to intercept BCE VORTAC R-323 (V257), continue climb to 12000 to BCE VORTAC, or for climb in visual conditions: cross Panguitch Muni Airport southeast bound at or above 8800' MSL then via BCE R-320 to BCE VORTAC thence...

...continue climb in BCE VORTAC holding pattern (hold southwest, right turn, 045° inbound) to cross BCE VORTAC at or above MEA for route of flight.

TAKEOFF OBSTACLE NOTES:

Rwy 36, terrain 64' from DER, 426' right of centerline, 6775' MSL.

Terrain 426' from DER, 565' right of centerline, 6779' MSL.

Rwy 18, terrain beginning 114' from DER, 306' left of centerline, 6758' MSL.

Terrain 26' from DER, 229' left of centerline 6756' MSL.

Terrain 388' from DER, 91' left of centerline 6766' MSL.

Terrain 316' from DER, 321' left of centerline 6766' MSL.

PARKER, AZ



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



24025

PHOENIX, AZ

PHOENIX DEER VALLEY (DVT)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 7 23FEB23 (23054) (FAA)

DEPARTURE PROCEDURE:

Use DEER VALLEY DEPARTURE.

TAKEOFF OBSTACLE NOTES:

Rwy 7L, general utility, vertical point beginning 30' from DER, 120' right of centerline, up to 3' AGL/1479' MSL.

Vertical point 33' from DER, 125' left of centerline, 2' AGL/1479' MSL.

Sign 89' from DER, 160' left of centerline, 3' AGL/1480' MSL.

Pole, NAVAID beginning 340' from DER, 315' right of centerline, up to 13' AGL/1488' MSL.

Tree 665' from DER, 537' left of centerline, 1498' MSL.

Trees beginning 746' from DER, 499' left of centerline, up to 1499' MSL.

Tree 913' from DER, 338' left of centerline, 1502' MSL.

Tree 3574' from DER, 381' left of centerline, 13' AGL/1569' MSL.

Terrain 3610' from DER, 165' left of centerline, 1579' MSL.

Terrain, tree beginning 3611' from DER, 253' left of centerline, up to 1587' MSL.

Vegetation 3686' from DER, 38' right of centerline, 3' AGL/1570' MSL.

Trees beginning 3693' from DER, 380' left of centerline, up to 10' AGL/1602' MSL.

Terrain, tree, vegetation beginning 3713' from DER, 9' left of centerline, up to 1624' MSL.

Trees beginning 3824' from DER, 0' right of centerline, up to 1596' MSL.

Tree, terrain beginning 1 NM from DER, 1748' left of centerline, up to 1670' MSL.

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

24025

PHOENIX, AZ (CON'T)

PHOENIX DEER VALLEY (DVT) (CON'T)

Rwy 25L (CON'T), tree, building, antenna, pole beginning 542' from DER, 502' right of centerline, up to 39' AGL/1475' MSL.

Tree, building, pole beginning 630' from DER, 505' left of centerline, up to 1467' MSL.

Pole 1070' from DER, 375' left of centerline, 1468' MSL.

Poles beginning 1077' from DER, 374' left of centerline, up to 39' AGL/1470' MSL.

Pole 1126' from DER, 498' right of centerline, 44' AGL/1478' MSL.

Poles beginning 1183' from DER, 495' left of centerline, up to 41' AGL/1471' MSL.

Signs beginning 1234' from DER, 356' left of centerline, up to 48' AGL/1478' MSL.

Rwy 25R, lighting 30' from DER, 114' left of centerline, 3' AGL/1456' MSL.

Lighting, general utility beginning 30' from DER, 112' right of centerline, up to 2' AGL/1456' MSL.

General utility 31' from DER, 112' left of centerline, 4' AGL/1457' MSL.

Tree 1139' from DER, 798' right of centerline, 1490' MSL.

Terrain 1.3 NM from DER, 2396' right of centerline, 1686' MSL.

Vegetation, tree beginning 1.3 NM from DER, 2270' right of centerline, up to 1697' MSL.

Pole, traverse way beginning 1.3 NM from DER, 1847' right of centerline, up to 30' AGL/1713' MSL.

Antenna 1.3 NM from DER, 2640' right of centerline, 57' AGL/1732' MSL.

Tower, tree, pole, vegetation beginning 1.3 NM from DER, 2073' right of centerline, up to 66' AGL/1741' MSL.

Antenna, tower, traverse way, tree beginning 1.4 NM from DER, 2749' right of centerline, up to 91' AGL/1769' MSL.

Tree 1.6 NM from DER,

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

24025

PHOENIX, AZ (CON'T)

PHOENIX-MESA GATEWAY (IWA)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 2 24MAY18 (18144) (FAA)

DEPARTURE PROCEDURE:

Use PHOENIX DEPARTURE.

TAKEOFF OBSTACLE NOTES:

Rwy 30L/C/R, trees beginning 351' from DER, 351' left of centerline, up to 20' AGL/1,359' MSL.
Trees beginning 689' from DER, 398' right of centerline, up to 20' AGL/1,359' MSL.

DIVERSE VECTOR AREA (RADAR VECTORS)

AMDT 1 20AUG15 (15232) (FAA)

Rwys 12L, 12C, 12R, as assigned by ATC; requires minimum climb of 250' per NM to 3100.**Rwys 30L, 30C, 30R**, heading as assigned by ATC.

PRESCOTT, AZ

PRESCOTT RGNL - ERNEST A LOVE FLD (PRC)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 5A 20JUN19 (21224) (FAA)

DEPARTURE PROCEDURE:

Use PRESCOTT DEPARTURE.

TAKEOFF OBSTACLE NOTES:

Rwy 3L, lighting 8' from DER, 19' right of centerline, 1' AGL/4939' MSL.

Sign 15' from DER, 126' left of centerline, 3' AGL/4939' MSL.

Tree 20' from DER, 408' left of centerline, 4949' MSL.

Tree 184' from DER, 404'



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



24025

PRICE, UT

CARBON COUNTY RGNL/BUCK DAVIS FLD (PUC)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 5 05MAR15 (21280) (FAA)

TAKEOFF MINIMUMS:

Rwy 1, std. w/min. climb of 400' per NM to 6800 or 3300-3 for climb in visual conditions.**Rwy 8**, NA-Obstacles.**Rwy 33**, std. w/min. climb of 370' per NM to 6700 or 3300-3 for climb in visual conditions.

DEPARTURE PROCEDURE:

Rwy 1, climb to 6400 then climbing right turn on a heading between 144° CW to 187°, maintain 210 KIAS until completion of turn, thence ...**Rwy 15**, climb on a heading between 129° CW to 196°, thence ...**Rwy 19**, climb on a heading between 195° CCW to 128°, thence ...**Rwy 26**, climb on a heading between 179° CCW to 127°, thence ...**Rwy 33**, climb to 6300 then climbing left turn on a heading between 178° CCW to 148°, thence ...

... continue climb to assigned altitude for direction of flight.

VCOA:

Rwys 1, 33, obtain ATC approval for climb in visual conditions when requesting IFR clearance. Climb in visual conditions to cross Carbon County Rgnl/Buck Davis Fld airport at or above 9100 before proceeding on course.

TAKEOFF OBSTACLE NOTES:

Rwy 1, multiple trees and poles beginning 164' from DER, left and right of centerline, up to 64' AGL/6207' MSL.

PROVO, UT

PROVO MUNI (PVU)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 6 30SEP04 (04274) (FAA)

DEPARTURE PROCEDURE:



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



24025

RENO, NV (CON'T)

RENO/TAHOE INTL (RNO) (CON'T)

Rwy 17R (CON'T), tree 746' from DER, 379' left of centerline, 4435' MSL.
Trees beginning 1156' from DER, 772' left of centerline, up to 4456' MSL.
Tree 1306' from DER, 840' left of centerline, 4457' MSL.
Trees beginning 1409' from DER, 818' left of centerline, up to 4466' MSL.
Trees beginning 1593' from DER, 658' left of centerline, up to 4474' MSL.
Tree 1873' from DER, 936' left of centerline, 4475' MSL.
Tree 2164' from DER, 653' left of centerline, 4478' MSL.
Trees beginning 2783' from DER, 172' right of centerline, up to 4501' MSL.
Tree 3135' from DER, 590' right of centerline, 4507' MSL.
Tree 3285' from DER, 504' right of centerline, 4510' MSL.
Rwy 26, lighting 9' from DER, 54' left of centerline, 1' AGL/4410' MSL.
Lighting 10' from DER, 54' right of centerline, 1' AGL/4410' MSL.
Pole 119' from DER, 464' left of centerline, 32' AGL/4440' MSL.
Pole, transmission line, fence beginning 142' from DER, 270' right of centerline, up to 30' AGL/4438' MSL.
Pole 499' from DER, 466' left of centerline, 39' AGL/4452' MSL.
Pole 1274' from DER, 469' left of centerline, 39' AGL/4458' MSL.
Pole 1369' from DER, 387' right of centerline, 27' AGL/4447' MSL.
Sign 1501' from DER, 206' right of centerline, 30' AGL/4448' MSL.
Tree 1618' from DER, 42' right of centerline, 4473' MSL.
Signs, trees beginning 1656' from DER, 66' left of centerline, up to 59' AGL/4482' MSL.
Tree 1663' from DER, 15' right of centerline, 4475' MSL.
Trees beginning 1664' from DER, 16' right of centerline, up to 4484' MSL.
Tree 1878' from DER, 28' left of centerline, 4483' MSL.
Trees beginning 1913' from DER, 162' left of centerline, up to 4484' MSL.
Trees beginning 1916' from DER, 20' left of centerline, up to 4487' MSL.
Trees beginning 2053' from DER, 25' left of centerline, up to 4497' MSL.
Tree 2099' from DER, 206' right of centerline, 4490' MSL.
Trees beginning 2102' from DER, 12' right of centerline, up to 4493' MSL.
Trees beginning 2255' from DER, 45' right of centerline, up to 4500' MSL.
Trees beginning 2268' from DER, 5' left of centerline, up to 4506' MSL.
Pole, tree beginning 2635' from DER, 114' right of centerline, up to 100' AGL/4527' MSL.
Antenna 3413' from DER, 298' left of centerline, 80' AGL/4514' MSL.
Rwy 35L, lighting 10' from DER, 85' left of centerline, 2' AGL/4416' MSL



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



24025

ROOSEVELT, UT

ROOSEVELT MUNI (74V)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 2 10NOV16 (16315) (FAA)

TAKEOFF MINIMUMS:

Rwy 7, std.**Rwy 25**, std. w/min. climb of 300' per NM to 6100 or 1300-3 for VCOA.

DEPARTURE PROCEDURE:

Rwy 7, turn right.**Rwy 25**, turn left.

All aircraft, climb direct MTU VOR/DME. Aircraft departing MTU VOR/DME R-040 CW R-150, climb on course. All others continue climb in MTU holding pattern (NE, right turns, 213° inbound) to cross MTU VOR/DME; R-151 CW R-290 at or above 8000; R-291 CW R-039 at or above 10000. Then climb on course.

VCOA:

Rwy 25, obtain ATC approval for VCOA when requesting IFR clearance. Climb in visual conditions to cross Roosevelt Muni airport southbound at or above 6300 on MTU R-010 to MTU VOR/DME, continue climb in hold (NE, right turns, 213° inbound) to MEA for direction of flight.

TAKEOFF OBSTACLE NOTES:

Rwy 7, NAVAID 38' from DER, 110' left of centerline, 5' AGL/5111' MSL.

Vehicles on road beginning 76' from DER, 250' left of centerline, up to 15' AGL/5122' MSL.

Rwy 25, NAVAID 39' from DER, 112' left of centerline, 2' AGL/5177' MSL.

Tree 95' from DER, 384' left of centerline, 9' AGL/5179' MSL.

Trees beginning 180' from DER, 403' left and right of centerline, up to 22' AGL/5192' MSL.

Tree, building, vehicle on road, pole beginning 5668' from DER, 1461' right of centerline, up to 45' AGL/5345' MSL.

Trees, poles, buildings, vehicle on road beginning



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



24025

ST JOHNS, AZ (CON'T)

ST JOHNS INDUSTRIAL AIR PARK (SJN) (CON'T)

TAKEOFF OBSTACLE NOTES:

Rwy 3, sign 15' from DER, 125' left of centerline, 3' AGL/5736' MSL.

Rwy 14, vehicle on road 1' from DER, 113' right of centerline, up to 15' AGL/5750' MSL.

Tree, fence, post, obstruction light on building, ant on building and transmission line tower beginning 27' from DER, 94' left of centerline, up to 5780' MSL.

Airport beacon lighted, tower, pole, windsock, building, obstruction light on building, light pole, transmission light tower and tree, beginning 58' from DER, 88' right of centerline, up to 57' AGL/5793' MSL.

Vehicle on road 67' from DER, crossing centerline, 15' AGL/5752' MSL.

Trees and poles beginning 515' from DER, 73' left of centerline, up to 76' AGL/5784' MSL.

Vehicle on road 559' from DER, crossing centerline, 15' AGL/5762' MSL.

Rwy 32, vehicle on road and generator utility beginning 34' from DER, 3' right of centerline, up to 15' AGL/5745' MSL.

Generator utility 40' from DER, 79' left of centerline, 10' AGL/5736' MSL.

Vehicle on road 102' from DER, crossing centerline, 15' AGL/5741' MSL.

Buildings beginning 201' from DER, 327' left of centerline up to 5743' MSL.

Pole 307' from DER, 570' left of centerline, up to 30' AGL/5757' MSL.

Rwy 21, tree and fence 15' from DER, 248' left of centerline, 5767' MSL.

Trees and buildings beginning 23' from DER, 276' right of centerline, up to 5798' MSL.

Trees beginning 92' from DER, 27' left of centerline, up to 5778' MSL.

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

24025

SALT LAKE CITY, UT (CON'T)

SOUTH VALLEY RGNL (U42)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 6 01FEB18 (18032) (FAA)

TAKEOFF MINIMUMS:

Rwy 16, std. w/ min. climb of 300' per NM to 10700.**Rwy 34**, std. w/ min. climb of 330' per NM to 9000.

DEPARTURE PROCEDURE:

Rwy 16, climbing left turn to 10700 on FFU VORTAC R-341 to FFU VORTAC, continue climb in FFU VORTAC holding pattern (hold S, right turn, 008° inbound) to cross FFU VORTAC at or above MEA/MCA for route of flight.**Rwy 34**, climbing right turn to 9000 on TCH VORTAC R-161 to TCH VORTAC, continue climb in TCH VORTAC holding pattern (hold NW, right turn, 120° inbound) to cross TCH VORTAC at or above MEA/MCA for route of flight.

TAKEOFF OBSTACLE NOTES:

Rwy 16, NAVAID abeam DER, 99' right of centerline, 4602' MSL.

Terrain, sign beginning 34' from DER, 207' right of centerline, up to 4606' MSL.

Vehicle on road 83' from DER, 252' left of centerline, 4611' MSL.

Vehicle on road 171' from DER, 132' left of centerline, 4614' MSL.

Pole 551' from DER, 631' right of centerline, 15' AGL/4626' MSL.

Vehicle on road, vegetation beginning 672' from DER, 490' right of centerline, up to 4629' MSL.

Pole 1000' from DER, 638' right of centerline, 4638' MSL.

Pole 1008' from DER, 466' right of centerline, 31' AGL/4640' MSL.

Pole beginning 1092' from DER, 687' right of centerline, up to 31' AGL/4644' MSL.

Rwy 34, NAVAID 10' from DER, 96' left of centerline, 4606' MSL.



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



24025

SHOW LOW, AZ

SHOW LOW RGNL (SOW)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 2 19JUL18 (22139) (FAA)

DEPARTURE PROCEDURE:

Rwy 4, climbing left turn heading 360° to 7800 before proceeding on course.**Rwy 7**, climbing left turn heading 360° to 8100 before proceeding on course.**Rwy 22**, climbing right turn heading 255° to 7700 before proceeding on course.**Rwy 25**, climb on heading 246° to 7600 before proceeding on course.

TAKEOFF OBSTACLE NOTES:

Rwy 4, sign, building, fence, pole beginning 44' from DER, 183' right of centerline, up to 6' AGL/6406' MSL.

Tree 88' from DER, 488' left of centerline, 6411' MSL.

Trees beginning 185' from DER, 428' left of centerline, up to 6417' MSL.

Pole 240' from DER, 222' right of centerline, 16' AGL/6411' MSL.

Rwy 7, general utility 39' from DER, 92' right of centerline, 19' AGL/6402' MSL.

General utility 40' from DER, 88' left of centerline, 20' AGL/6402' MSL.

Rwy 22, tree 94' from DER, 197' left of centerline, 6424' MSL.

Trees beginning 133' from DER, 87' right of centerline, up to 6420' MSL.

Pole 397' from DER, 141' left of centerline, 23' AGL/6426' MSL.

Pole 469' from DER, 166' left of centerline, 27' AGL/6430' MSL.

Building 677' from DER, 423' left of centerline, 24' AGL/6433' MSL.

Elevator, tank, pole beginning 1191' from DER,

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

24025

SPANISH FORK, UT (CON'T)

SPANISH FORK MUNI/WOODHOUSE FLD (SPK) (CON'T)

Rwy 12 (CON'T), pole 5162' from DER, 1194' right of centerline, 4664' MSL.

Pole 2 NM from DER, 3639' left of centerline, 4853' MSL.

Rwy 30, lighting 9' from DER, 29' right of centerline, 2' AGL/4525' MSL.

Vegetation 36' from DER, 145' right of centerline, 9' AGL/4527' MSL.

Tree 750' from DER, 557' left of centerline, 4546' MSL.

Pole 1182' from DER, 595' left of centerline, 50' AGL/4570' MSL.

Pole beginning 1479' from DER, 268' left of centerline, up to 60' AGL/4579' MSL.

Tree 1505' from DER, 550' right of centerline, 49' AGL/4565' MSL.

SPRINGERVILLE, AZ

SPRINGERVILLE MUNI (JTC)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

ORIG-A 02DEC21 (21336) (FAA)

TAKEOFF MINIMUMS:

Rwy 3, std. w/min. climb of 240' per NM to 7800 or 3300-5 for VCOA.

Rwy 11, std. w/min. climb of 440' per NM to 8200 or 3300-5 for VCOA.

Rwy 21, std. w/min. climb of 365' per NM to 8600 or 3300-5 for VCOA.

Rwy 29, 400-2½ or std. w/min. climb of 280' per NM to 7300.

DEPARTURE PROCEDURE:

Rwy 3, climbing left turn to 9100 on heading 360° before proceeding on course.



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



24025

SPRINGVILLE, AZ (CON'T)

SPRINGVILLE MUNI (JTC) (CON'T)

Rwy 29 (CON'T), trees beginning 1 NM from DER, 18' right of centerline, up to 100' AGL/7204' MSL.
Trees beginning 1 NM from DER, 135' left of centerline, up to 100' AGL/7217' MSL.
Trees beginning 1.1 NM from DER, 288' left of centerline, up to 100' AGL/7220' MSL.
Trees beginning 1.1 NM from DER, 442' left of centerline, up to 100' AGL/7223' MSL.
Trees beginning 1.1 NM from DER, 989' left of centerline, up to 100' AGL/7230' MSL.
Tree 1.2 NM from DER, 2479' left of centerline, 100' AGL/7233' MSL.
Tree 2 NM from DER, 1412' right of centerline, 100' AGL/7361' MSL.

TAYLOR, AZ

TAYLOR (TYL)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 2 02DEC21 (21336) (FAA)

TAKEOFF MINIMUMS:

Rwy 21, 300-1 or std. w/min. climb of 260' per NM to 6100, or alternatively, with standard takeoff minimums and a normal 200' per NM climb gradient, takeoff must occur no later than 2100' prior to DER.

TAKEOFF OBSTACLE NOTES:

Rwy 3, buildings beginning 42' from DER, 339' right of centerline, up to 14' AGL/5728' MSL.
Tree 44' from DER, 113' left of centerline, 5723' MSL.
Building 745' from DER, 694' left of centerline, 23' AGL/5739' MSL.
Pole 852' from DER, 705' left of centerline, 24' AGL/5741' MSL.
Power lines crossing departure course 1000' from DER, pole 1309' from DER, 465' left of centerline, 15' AGL/5758' MSL.
Pole 1460' from DER, 597' left of centerline, 42' AGL/5764' MSL.
Rwy 21, utility lights, fence beginning 40' from DER, 113' right of centerline, up to 5' AGL/5828' MSL.
Trees beginning 86' from DER, 316' right of centerline, up to 5835' MSL.
Trees beginning 247' from DER, 268' right of centerline, up to 5836' MSL.
Tree 447' from DER, 248' right of centerline, 5838' MSL.
Trees beginning



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



24025

TONOPAH, NV

TONOPAH (TPH)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 2 17AUG17 (17229) (FAA)

TAKEOFF MINIMUMS:

Rwys 11, 29, NA - ATC.**Rwy 15**, std. with a min. climb of 320' per NM to 9100 or 2500-3 for VCOA.**Rwy 33**, std. with a min. climb of 352' per NM to 9100 or 2500-3 for VCOA.

DEPARTURE PROCEDURE:

Rwy 15, climbing left turn direct TONOPAH (TPH) VORTAC thence...**Rwy 33**, climbing right turn direct TONOPAH (TPH) VORTAC thence...

...continue climb in TPH holding pattern (NE, RT, 246° inbound) to cross TPH VORTAC at or above 9300 before proceeding on course.

VCOA:

Rwy 15, 33, obtain ATC approval for VCOA when requesting IFR clearance. Climb in visual conditions to cross Tonopah airport at or above 7800 direct TONOPAH VORTAC, continue climb in TPH holding pattern (NE, RT, 246° inbound) to cross TPH VORTAC at or above 9300 before proceeding on course.

TAKEOFF OBSTACLE NOTES:

Rwy 15, transmission line tower 515' from DER, 473' left of centerline, 23' AGL/5418' MSL.**Rwy 33**, fence beginning 173' from DER, 401' right of centerline, 6' AGL/5438' MSL.

TONOPAH TEST RANGE (KTNX)

TONOPAH, NV

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 1 19JUL18 (18200)

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

24025

TUCSON, AZ

RYAN FLD (RYN)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 3 29JUL10 (21168) (FAA)

TAKEOFF MINIMUMS:

Rwys 6L, 15, 24R, 33, NA, ATC.

DEPARTURE PROCEDURE:

Rwys 6R, 24L, use ALMON DEPARTURE.

TUCSON INTL (TUS)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 6 30NOV23 (23334) (FAA)

TAKEOFF MINIMUMS:

Rwy 4, 300-2 or std w/min climb of 230'/NM to 3000.

DEPARTURE PROCEDURE:

Rwy 4, climb on heading 036° to 3000 then climbing right turn on heading 172° and TUS R-018 to TUS VORTAC, continue climb in TUS VORTAC holding pattern (hold NW, right turns, 128° inbound) to 9000 before proceeding on course.

Rwy 12, climb on heading 126° to 4000 then climbing left turn direct TUS VORTAC, continue climb in TUS VORTAC holding Pattern (hold NW, right turns, 128° inbound) to 9000 before proceeding on course.

Rwy 22, climb on heading 216° to 3000 then climbing left turn on heading 078° and TUS VORTAC R-227 to TUS VORTAC, continue climb in TUS VORTAC holding pattern (hold NW, right turns, 128° inbound) to 9000 before proceeding on course.

Rwy 30, climbing right turn direct TUS VORTAC, continue climb in TUS VORTAC holding pattern (hold NW, right turns, 128° inbound) to 9000 before proceeding on course.

TAKEOFF OBSTACLE NOTES:

Rwy 4, light poles beginning 5' from DER, 5

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

24025

TUCSON, AZ (CON'T)

TUCSON INTL (TUS) (CON'T)

Rwy 12 (CON'T), trees, vegetation beginning 893' from DER, 412' left of centerline, up to 2674' MSL.
 Trees beginning 1046' from DER, 527' left of centerline, up to 2677' MSL.
 Tree 1573' from DER, 909' right of centerline, 2684' MSL.
 Tree 1708' from DER, 899' right of centerline, 2686' MSL.
 Tree 1726' from DER, 705' left of centerline, 2687' MSL.
 Tree 1756' from DER, 918' right of centerline, 2690' MSL.
 Transmission lines beginning 4721' from DER, 984' left of centerline, up to 66' AGL/2765' MSL.
 Transmission line 4969' from DER, 997' left of centerline, 77' AGL/2775' MSL.
Rwy 22, vegetation, light poles beginning 8' from DER, 53' right of centerline, up to 10' AGL/2568' MSL.
 Light poles 10' from DER, 51' left of centerline, 2' AGL/2561' MSL.
 Tree 30' from DER, 380' right of centerline, 2572' MSL.
 Vehicle on road, tree, fence beginning 32' from DER, 324' right of centerline, up to 2580' MSL.
 Trees, vegetation, fence beginning 45' from DER, 255' left of centerline, up to 2573' MSL.
 Vehicle on road, trees, vegetation, poles beginning 60' from DER, 74' right of centerline, up to 2581' MSL.
 Trees beginning 267' from DER, 479' left of centerline, up to 2577' MSL.
 Trees, vegetation, vehicle on road, pole beginning 288' from DER, 8' left of centerline, up to 2590' MSL.
 Vehicle on road 357' from DER, 140' right of centerline, 2582' MSL.
 Pole, trees, vehicle on road beginning 362' from DER, 17' right of centerline, up to 33' AGL/2585' MSL.
 Poles, trees, vehicle on road beginning 401' from DER, 42' right of centerline, up to 34' AGL/2586' MSL.
 Tree, poles beginning 580' from DER, 35' right of centerline, up to 2600' MSL.
 Poles, tree beginning 1029' from DER, 84' left of centerline, up to 46' AGL/2599' MSL.
 Pole 1282' from DER, 781' left of centerline, 43' AGL/2602' MSL.
 Poles, buildings beginning 1298' from DER, 138' left of centerline, up to 57' AGL/2616' MSL.
 Buildings, poles beginning 1301' from DER, 158' right of centerline, up to 2611' MSL.

DIVERSE VECTOR AREA (RADAR VECTORS)

AMDT 1 30NOV23 (23334) (FAA)

Rwy 4, heading as assigned by ATC; requires min climb of 228' per NM to 3000.

Rwy 12, heading as assigned by ATC.

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

24025

WENDOVER, UT

WENDOVER (ENV)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 7 31MAR16 (16091) (FAA)

TAKEOFF MINIMUMS:

Rwy 26, std. w/min. climb of 300' per NM to 5900.**Rwy 30**, NA-ATC.

DEPARTURE PROCEDURE:

Rwys 8, 12, 26, climbing left turn direct BVL VORTAC, thence...

...continue climb in holding pattern (hold NE, right turns, 253° inbound) to cross BVL VORTAC at/above MEA for route of flight.

TAKEOFF OBSTACLE NOTES:

Rwy 12, bush 92' from DER, 258' left of centerline, 4' AGL/4227' MSL.**Rwy 26**, tree 100' from DER, 500' right of centerline, 11' AGL/4240' MSL.

Bush 90' from DER, 278' left of centerline, 4' AGL/4233' MSL.

WILLCOX, AZ

COCHISE COUNTY (P33)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 1A 03NOV22 (22307) (FAA)

DEPARTURE PROCEDURE:

Use COCHISE DEPARTURE (OBSTACLE).

WILLIAMS, AZ

H A CLARK MEML FLD (CMR)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

ORIG 05OCT23 (23278) (FAA)

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

24025

WILLIAMS, AZ (CON'T)

H A CLARK MEML FLD (CMR) (CON'T)

Rwy 18 (CON'T), tree 4954' from DER, 781' left of centerline, 6821' MSL.
 Tree 5223' from DER, 1377' left of centerline, 6841' MSL.
 Tree 1 NM from DER, 810' left of centerline, 6860' MSL.
 Tree 1.1 NM from DER, 2194' right of centerline, 6865' MSL.
 Tree 1.1 NM from DER, 2128' right of centerline, 6873' MSL.
 Trees beginning 1.1 NM from DER, 2138' right of centerline, up to 6886' MSL.
 Trees beginning 1.1 NM from DER, 1975' right of centerline, up to 6887' MSL.
 Trees beginning 1.1 NM from DER, 2078' right of centerline, up to 6898' MSL.
 Trees beginning 1.2 NM from DER, 1525' right of centerline, up to 6913' MSL.
 Trees beginning 1.2 NM from DER, 1865' right of centerline, up to 6933' MSL.
 Trees beginning 1.2 NM from DER, 1139' right of centerline, up to 6963' MSL.
 Trees beginning 1.2 NM from DER, 1009' right of centerline, up to 6966' MSL.
 Trees beginning 1.2 NM from DER, 1710' right of centerline, up to 6973' MSL.
 Trees beginning 1.2 NM from DER, 1580' right of centerline, up to 6980' MSL.
 Tree 1.2 NM from DER, 2039' right of centerline, 6986' MSL.
 Tree, terrain beginning 1.2 NM from DER, 1309' right of centerline, up to 7007' MSL.
 Trees beginning 1.3 NM from DER, 1013' right of centerline, up to 7030' MSL.
 Tree 1.3 NM from DER, 1992' right of centerline, 7040' MSL.
 Trees beginning 1.3 NM from DER, 903' right of centerline, up to 7055' MSL.
 Trees beginning 1.3 NM from DER, 1023' right of centerline, up to 7067' MSL.
 Trees beginning 1.3 NM from DER, 1128' right of centerline, up to 7073' MSL.
 Trees beginning 1.3 NM from DER, 1540' right of centerline, up to 7100' MSL.
 Trees beginning 1.3 NM from DER, 891' right of centerline, up to 7156' MSL.
 Tree, terrain beginning 1.3 NM from DER, 1104' right of centerline, up to 7160' MSL.
 Tree, terrain beginning 1.3 NM from DER, 1' right of centerline, up to 56' AGL/7193' MSL.
 Tree 1.3 NM from DER, 577' left of centerline, 6898' MSL.
 Trees beginning 1.3 NM from DER, 81' left of centerline, up to 6912' MSL.
 Trees beginning 1.4 NM from DER, 233' left of centerline, up to 6929' MSL.
 Trees beginning 1.4 NM from DER, 121' left of centerline, up to 6934' MSL.
 Trees beginning 1.4 NM from DER, 194' left of centerline, up to 6940' MSL.
 Trees beginning 1.4 NM from DER, 68' left of centerline, up to 6956' MSL.
 Tree, terrain beginning 1.4 NM from DER, 22' left



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



24025

WINDOW ROCK, AZ (CON'T)

WINDOW ROCK (RQE) (CON'T)

Rwy 3 (CON'T), pole 3356' from DER, 457' left of centerline, 31' AGL/6840' MSL.

Tree 3532' from DER, 613' left of centerline, 6850' MSL.

Tree 3801' from DER, 682' left of centerline, 6871' MSL.

Vertical structure, poles beginning 3832' from DER, 57' right of centerline, up to 6926' MSL.

Pole 4044' from DER, 310' left of centerline, 44' AGL/6874' MSL.

Tree 4616' from DER, 625' left of centerline, 6888' MSL.

Vertical structure 5938' from DER, 147' right of centerline, 7024' MSL.

Pole, vertical structures, towers beginning 1 NM from DER, 59' left of centerline, up to 6' AGL/7083' MSL.

Tower, tree beginning 1.1 NM from DER, 102' right of centerline, up to 103' AGL/7096' MSL.

Trees beginning 1.3 NM from DER, 2063' right of centerline, up to 50' AGL/7309' MSL.

Vertical structures beginning 1.4 NM from DER, 1852' left of centerline, up to 7127' MSL.

Trees beginning 1.4 NM from DER, 121' right of centerline, up to 50' AGL/7369' MSL.

Vertical structure, tree beginning 1.5 NM from DER, 628' left of centerline, up to 50' AGL/7139' MSL.

Trees beginning 1.6 NM from DER



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



24025

WINSLOW, AZ (CON'T)

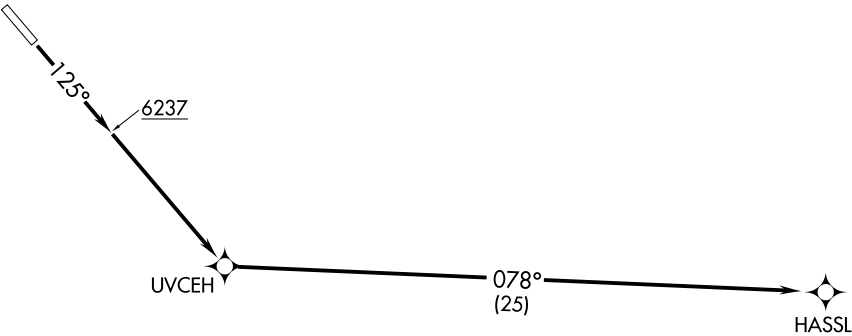
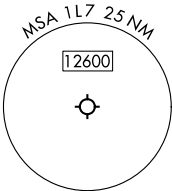
WINSLOW-LINDBERGH RGNL (INW) (CON'T)

Rwy 29, tree 332' from DER, 589' left of centerline 100' AGL/4915' MSL.
Trees beginning 385' from DER, 124' right of centerline, 100' AGL/4923' MSL.
Vehicle on road beginning 31' from DER, 389' right of centerline 15' AGL/4920' MSL.
REIL abeam DER, 139' left of centerline, up to 4904' MSL.
Bush 38' from DER, 179' right of centerline, up to 4903' MSL.
Pole 2132' from DER, 1052' right of centerline, up to 4956' MSL.
Vertical point 241' from DER, 318' right of centerline, up to 4907' MSL.
Ground 71' from DER, 456' left of centerline, up to 4902' MSL.
Rwy 4, light 4' from DER, 425' left of centerline, up to 4920' MSL.
Obstruction light on lighted windsock 12' from DER, 424' left of centerline, up to 4918' MSL.
Tree 34' from DER, 263' left of centerline, 100' AGL/4901' MSL.
Tower 2740' from DER, 1086' left of centerline, up to 4968' MSL.
Ground 42' from DER, 455' left of centerline, up to 4892' MSL.
Rwy 22, poles beginning 1575' from DER, 360' right of centerline, up to 5010' MSL.
Antenna 1867' from DER 360' right of centerline up to 5019' MSL.
Vehicle on road beginning 198' from DER, 12' right of centerline, 15' AGL/4994' MSL.
Vehicle on road beginning 499' from DER, 93' left of centerline, 15' AGL/4962' MSL.
Tree 1746' from DER, 581' right of centerline, 100' AGL/4993' MSL.
Vertical point 31' from DER, 479' left of centerline, up to 4946' MSL.
Building 525' from DER, 528' right of centerline, up to 4956' MSL.
Light support structures 10' from DER, 54' right of centerline, up to 4942' MSL.

YUMA MCAS/YUMA INTL (KNYL)

SALT LAKE CENTER
133.6 269.25

RNAV 1 - GPS



TAKEOFF MINIMUMS

Rwy 31: NA - Terrain.
Rwy 13: Standard.

TAKEOFF OBSTACLE NOTES

Rwy 13: Light poles 10' from DER, 19' left of centerline, 4' AGL/5721' MSL.
Tree 32' from DER, 353' left of centerline, 5730' MSL.
Trees beginning 67' from DER, 198' left of centerline, up to 15' AGL/5734' MSL.
Trees beginning 381' from DER, 473' left of centerline, up to 5735' MSL.
Trees beginning 703' from DER, 277' left of centerline, up to 5744' MSL.
Tree 798' from DER, 481' left of centerline, 5747' MSL.
Trees beginning 811' from DER, 336' left of centerline, up to 5752' MSL.
Trees beginning 881' from DER, 441' left of centerline, up to 5756' MSL.
Trees beginning 996' from DER, 361' left of centerline, up to 5765' MSL.
Tree, terrain beginning 1119' from DER, 509' left of centerline, up to 5772' MSL.
Tree, vehicles on road beginning 1228' from DER, 160' left of centerline, up to 5774' MSL.
Trees beginning 1332' from DER, 402' left of centerline, up to 5775' MSL.
Transmission lines, trees, vehicle on road beginning 1439' from DER, 208' left of centerline, up to 5786' MSL.

NOTE: Chart not to scale.

DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAY 13: Climb on heading 125° to 6237, then direct UVCEH, then on track 078° to HASSL.