

U.S. DEPARTMENT OF TRANSPORTATION – FEDERAL AVIATION ADMINISTRATION
TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)

Bearings, headings, courses, tracks and radials are magnetic. Elevation and altitudes are in feet MSL. Altitudes are minimum altitudes unless otherwise indicated.
Ceilings are in feet above airport elevation. Distances are in nautical miles. Visibilities are in statute miles or feet RVR unless otherwise indicated.

City, State	Airport	Effective Date	Amdt. No.
ALPINE, TX	ALPINE-CASPARIS MUNI		5

TAKEOFF MINIMUMS:

RWY 23, NA - OBSTACLES.

RWY 1, 5, STANDARD.

RWY 19, STANDARD WITH MINIMUM CLIMB OF 432 FT PER NM TO 6900 OR 1800-2 1/2 FOR CLIMB IN VISUAL CONDITIONS.

TEXTUAL DEPARTURE PROCEDURES:

RWY 1: CLIMB HEADING 028.67 TO 5300 THEN CLIMBING LEFT TURN DIRECT BWR NDB, CONTINUE CLIMB IN BWR NDB HOLDING PATTERN (HOLD N, LT, 193.52 INBOUND) TO 8600 BEFORE PROCEEDING ON COURSE. (ADF REQUIRED)

RWY 5: CLIMBING LEFT TURN DIRECT BWR NDB, CONTINUE CLIMB IN BWR NDB HOLDING PATTERN (HOLD N, LT, 193.52 INBOUND) TO 8600 BEFORE PROCEEDING ON COURSE. (ADF REQUIRED)

RWY 19: CLIMBING LEFT TURN DIRECT BWR NDB, CONTINUE CLIMB IN BWR NDB HOLDING PATTERN (HOLD N, LT, 193.52 INBOUND) TO 8600 BEFORE PROCEEDING ON COURSE. FOR CLIMB IN VISUAL CONDITIONS, CROSS ALPINE-CASPARIS MUNI AIRPORT NORTHEAST BOUND AT OR ABOVE 6200 FT MSL THEN DIRECT BWR NDB, CONTINUE CLIMB IN BWR NDB HOLDING PATTERN (HOLD N, LT, 193.52 INBOUND) TO 8600 BEFORE PROCEEDING ON COURSE. DO NOT EXCEED 200 KIAS UNTIL ESTABLISHED DIRECT BWR NDB. WHEN EXECUTING VCOA, NOTIFY ATC PRIOR TO DEPARTURE. (ADF REQUIRED)

TAKEOFF OBSTACLE NOTES:

NOTE: RWY 1, POLES, SIGN AND TREE BEGINNING 13 FT FROM DER, 228 FT RIGHT OF CENTERLINE, UP TO 33 FT AGL/4472 FT MSL. VEHICLES ON ROAD AND FENCE BEGINNING 10 FT FROM DER, 274 FT LEFT OF CENTERLINE, UP TO 15 FT AGL/4463 FT MSL.

NOTE: RWY 5, VEHICLES ON ROAD, POLES, TREE, SIGN AND ANTENNA BEGINNING 18 FT FROM DER, 165 FT RIGHT OF CENTERLINE, UP TO 38 FT AGL/4477 FT MSL. POLES, TREES AND SIGN BEGINNING 13 FT FROM DER, 240 FT LEFT OF CENTERLINE, UP TO 37 FT AGL/4476 FT MSL.

NOTE: RWY 19, VEHICLES ON ROAD, POLES AND TERRAIN BEGINNING 32 FT FROM DER, 60 FT RIGHT OF CENTERLINE, UP TO 43 FT AGL/4562 FT MSL. VEHICLES ON ROAD, POLES, TREES, SIGN AND WINDMILL BEGINNING 2 FT FROM DER, 153 FT LEFT OF CENTERLINE, UP TO 37 FT AGL/4556 FT MSL.

CONTROLLING OBSTACLES:

RWY 19: 6039 FT MSL AAO 301756.67N/1034005.13W. 6239 FT MSL AAO 301710.19N/1034000.70W.

RWY 19: (VCOA) 5859 FT MSL AAO 302412.00N/1034415.00W.

OBSTACLES MANDATING ODP ROUTE DEVELOPMENT:

RWY 19: 6329 FT MSL AAO 301926.29N/1034318.65W, 5399 FT MSL AAO 301919.77N/1034209.67W, 5550 FT MSL TREE 301940.80N/1034318.13N.

REMARKS:

QUALITY
3
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: BREWSTER COUNTY NDB STATE: TX COUNTRY: US

LATITUDE/LONGITUDE: 302729.53N/1033848.53W TYPE:

AIRSPACE DOCKET: FIX TYPE OF ACTION: NO CHANGE

FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM FAC	MRA	MAA
								NM FEET		
1	BREWSTER COUNTY	BWR	NDB	MH						17500

HOLDING: HOLDING TYPE OF ACTION: MODIFY

PATTERNS:

PAT	DIR	IDENT	TYPE	RAD/CRS/BRG	CRS INBOUND	TURN (L OR R)	LEG LENGTH TIME	HOLDING DME	ALTITUDES MIN	ALTITUDES MAX	TEMPLATES MIN	TEMPLATES MAX
1	N	BWR	NDB	013.52	193.52	L	1		7000	10000	8	9

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	230	AAO	303833.00N/1033730.00W	5666	4E
1	310	AAO	301939.00N/1033048.00W	6405	4E

REASON FOR NONSTANDARD HOLDING:

PAT 1 TERRAIN W OF NDB

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERN.

PROCEDURES REQUIRING CLIMB-IN-HOLD:

PAT	PROCEDURE TITLE	AIRPORT IDENT	CITY	STATE
1	TAKEOFF MINIMUMS AND ODP	KE38	ALPINE	TX (US)

REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	TAKEOFF MINIMUMS AND ODP		1	KE38	ALPINE	TX (US)
IAP	NDB RWY 19		1	KE38	ALPINE	TX (US)

REQUIRED CHARTING: IAP, CONTROLLER, EN ROUTE LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 4 DATE OF REVISION: 07/26/2012

REASON FOR REVISION:

UPDATED FIX LAT/LONG. FIX MOVED 2.20 FT NORTH.
 UPDATED PAT 1 RAD/CRS/BRG 013.69 TO 013.52 AND CRS INBOUND 193.69 TO 193.52.
 UPDATED 230 CONTROLLING OBSTRUCTION AND ADDED 310 CONTROLLING OBSTRUCTION.
 MOVED HOLDING LIMITED TO ESTABLISHED PATTERN FROM REMARKS TO HOLDING RESTRICTIONS.
 ADDED PROCEDURE REQUIRING CLIMB-IN-HOLD.
 ADDED PRECIPITOUS TERRAIN COMPLETED TO REMARKS.
 UPDATED FIX USE.

DEVELOPED BY: DATE: 02/15/2012 OFFICE: AJV-353 NAME: PABLO ORTIZ
 APPROVED BY: DATE: OFFICE: AJV-353 NAME: LARRY STROUT
 SIGNATURE:

DISTRIBUTION: NFDC
 FPO: CEN
 ARTCC: ZAB
 ATC FACILITY:
 OTHER:

