

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.
LIBERTY, TX	LIBERTY MUNI	29 MAY 2014	1

TAKEOFF MINIMUMS:

RWY 16, 34 STANDARD.

TEXTUAL DEPARTURE PROCEDURES:

RWY 16 - CLIMB HEADING 160.77 TO 1700 BEFORE TURNING LEFT.

RWY 34 - CLIMB HEADING 340.78 TO 1000 BEFORE TURNING RIGHT.

TAKEOFF OBSTACLE NOTES:

NOTE: RWY 16, HANGARS BEGINNING 4 FT FROM DER, 340 FT RIGHT OF CENTERLINE, UP TO 21 FT AGL/91 FT MSL. TREE 273 FT FROM DER, 401 FT RIGHT OF CENTERLINE, 28 FT AGL/96 FT MSL. TREES BEGINNING 1067 FT FROM DER, 122 FT LEFT OF CENTERLINE, UP TO 76 FT AGL/146 FT MSL. TREES AND POLES BEGINNING 1166 FT FROM DER, 48 FT RIGHT OF CENTERLINE, UP TO 85 FT AGL/155 FT MSL.

NOTE: RWY 34, TREES BEGINNING 176 FT FROM DER, 262 FT LEFT OF CENTERLINE, UP TO 52 FT AGL/117 FT MSL. POLES BEGINNING 427 FT FROM DER, 318 FT RIGHT OF CENTERLINE, UP TO 40 FT AGL/105 FT MSL. POLES BEGINNING 451 FT FROM DER, 236 FT LEFT OF CENTERLINE, UP TO 39 FT AGL/106 FT MSL. TREES BEGINNING 758 FT FROM DER, 101 FT RIGHT OF CENTERLINE, UP TO 101 FT AGL/166 FT MSL. TREES BEGINNING 1953 FT FROM DER, 40 FT LEFT OF CENTERLINE, UP TO 96 FT AGL/161 FT MSL.

CONTROLLING OBSTACLES:

OBSTACLES MANDATING ODP ROUTE DEVELOPMENT: RWY 16 – 2049 FT MSL TOWER 300102.20N/0943247.89W, 2042 FT MSL TOWER 300306.00N/0943138.00W, 2040 FT MSL TOWER 295609.78N/0943039.38W. RWY 34 – 2049 FT MSL TOWER 300102.20N/0943247.89W, 2042 FT MSL TOWER 300306.00N/0943138.00W.



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REMARKS:

FLIGHT INSPECTED BY:

Anthony D. Valleria *[Signature]*

12/18/13

REQUIRED EFFECTIVE DATE:

ROUTINE

DEVELOPED BY:

MARK BURTON *[Signature]*

AJV-353

03/08/2013

APPROVED BY:

LARRY STROTT *[Signature]*

AJV-353

2.27.14

COORDINATED WITH:

ALPA, AOPA, NBAA, ZHU, AMGR.

CHANGES:

1. CHANGED BOTH RUNWAY TAKEOFF MINIMUMS FROM 2000-3 OR STD WITH A MINIMUM CLIMB OF 270' PER NM TO 2100 TO STANDARD.
2. CHANGED RWY 16 TEXTUAL DEPARTURE PROCEDURE FROM CLIMB HEADING 161 TO 2700 BEFORE TURNING LEFT TO CLIMB HEADING 160.77 TO 1700 BEFORE TURNING LEFT.
3. CHANGED RWY 34 TEXTUAL DEPARTURE PROCEDURE FROM CLIMB HEADING 341 TO 2700 BEFORE TURNING RIGHT TO CLIMB HEADING 340.78 TO 1000 BEFORE TURNING RIGHT.
4. ADDED LOW CLOSE IN OBSTACLES.
5. UPDATED CONTROLLING OBSTACLES.

REASONS:

1. OBSTRUCTIONS CAN BE MITIGATED WITH A TEXTUAL DEPARTURE PROCEDURE WITHOUT A CLIMB GRADIENT OR CEILING AND VISIBILITY RESTRICTION.
- 2,3. CURRENT EVALUATION OF PREVIOUS/EXISTING OBSTRUCTIONS ALLOWS THE CLIMB TO ALTITUDE TO BE LOWERED FOR BOTH RUNWAY ENDS.
4. NEW SURVEYED OBSTACLES.
5. PER EVALUATION.

