

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

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City, State	Airport	Effective Date	Amdt. No.
SIOUX FALLS, SD	JOE FOSS FIELD	22 AUGUST 2013	8

TAKEOFF MINIMUMS:

RWY 3, 9, 15, 21, 27 STANDARD.

RWY 33, 200 - 1 1/4 OR STANDARD WITH A MINIMUM CLIMB OF 343 FT PER NM TO 1700.

TEXTUAL DEPARTURE PROCEDURES:

RWY 3 - CLIMB HEADING 029.89 TO 2300 BEFORE TURNING EASTBOUND.

RWY 9 - CLIMB HEADING 098.17 TO 2000, THEN LEFT TURN DIRECT FSD VORTAC, CONTINUE CLIMB IN FSD VORTAC HOLDING PATTERN (HOLD NW, LEFT TURNS, 147.00 INBOUND) TO CROSS FSD VORTAC AT OR ABOVE MEA FOR ROUTE OF FLIGHT.

RWY 15 - CLIMB HEADING 149.94 TO 2000, THEN RIGHT TURN DIRECT FSD VORTAC, CONTINUE CLIMB IN FSD VORTAC HOLDING PATTERN (HOLD NW, LEFT TURNS 147.00 INBOUND) TO CROSS FSD VORTAC AT OR ABOVE MEA FOR ROUTE OF FLIGHT.

RWY 21 - CLIMB HEADING 209.90 TO 2200 BEFORE TURNING EASTBOUND.

RWY 27 - CLIMB HEADING 278.17 TO 2300 BEFORE TURNING EASTBOUND.

RWY 33 - CLIMB HEADING 329.95 TO 2300 BEFORE TURNING EASTBOUND.

TAKEOFF OBSTACLE NOTES:

NOTE: RWY 3, VEHICLES ON ROAD 20 FT FROM DER, 448 FT LEFT OF CENTERLINE, 21 FT AGL/1441 FT MSL. LIGHT SUPPORT 24 FT FROM DER, 85 FT LEFT OF CENTERLINE, 11 FT AGL/1431 FT MSL. TREES BEGINNING 1200 FT FROM DER, 682 FT LEFT OF CENTERLINE, UP TO 42 FT AGL/1462 FT MSL. TREES BEGINNING 2085 FT FROM DER, 908 FT RIGHT OF CENTERLINE, UP TO 64 FT AGL/1493 FT MSL.

NOTE: RWY 9, VEHICLES ON ROAD BEGINNING 50 FT FROM DER, 474 FT LEFT OF CENTERLINE, 18 FT AGL/1438 FT MSL. MULTIPLE POLES BEGINNING 1257 FT FROM DER, 22 FT LEFT OF CENTERLINE, UP TO 56 FT AGL/1476 FT MSL. NAVAID AND WINDSOCK BEGINNING 324 FT FROM DER, 460 FT RIGHT OF CENTERLINE, UP TO 13 FT AGL/1433 FT MSL. MULTIPLE POLES BEGINNING 1806 FT FROM DER, 136 FT RIGHT OF CENTERLINE, UP TO 55 FT AGL/1475 FT MSL. CRANE, BUILDINGS, ANTENNA ON BUILDING, TREES, AND MULTIPLE TRANSMISSION TOWERS BEGINNING 1949 FT FROM DER, 462 FT RIGHT OF CENTERLINE, UP TO 122 FT AGL/1562 FT MSL.

NOTE: RWY 15, LIGHT SUPPORT 10 FT FROM DER, 39 FT LEFT OF CENTERLINE, 4 FT AGL/1424 FT MSL. MULTIPLE POLES, BUILDINGS, TREES, AND TRANSMISSION TOWERS BEGINNING 553 FT FROM DER, 220 FT LEFT OF CENTERLINE, UP TO 100 FT AGL/1559 FT MSL. VEHICLES ON ROAD BEGINNING 194 FT FROM DER, 551 FT RIGHT OF CENTERLINE, 16 FT AGL/1436 FT MSL. MULTIPLE POLES AND TREES BEGINNING 1330 FT FROM DER, 19 FT RIGHT OF CENTERLINE, UP TO 88 FT AGL/1536 FT MSL.

NOTE: RWY 21, SIGN 7 FT FROM DER, 304 FT LEFT OF CENTERLINE, 6 FT AGL/1426 FT MSL. VEHICLES ON ROAD 393 FT FROM DER, 531 FT LEFT OF CENTERLINE, 15 FT AGL/1435 FT MSL. MULTIPLE TREES BEGINNING 866 FT FROM DER, 149 FT LEFT OF CENTERLINE, UP TO 100 FT AGL/1529 FT MSL. VEHICLES ON ROAD 385 FT FROM DER, 456 FT RIGHT OF CENTERLINE, 17 FT AGL/1437 FT MSL. MULTIPLE TREES BEGINNING 424 FT FROM DER, 25 FT RIGHT OF CENTERLINE, UP TO 84 FT AGL/1504 FT MSL.

NOTE: RWY 27, SIGN 27 FT FROM DER, 240 FT RIGHT OF CENTERLINE, 5 FT AGL/1425 FT MSL. TREES BEGINNING 1423 FT FROM DER, 793 FT RIGHT OF CENTERLINE, UP TO 76 FT AGL/1496 FT MSL. NAVAIDS BEGINNING 1818 FT FROM DER, 831 FT LEFT OF CENTERLINE, 50 FT AGL/1471 FT MSL. TREES BEGINNING 2158 FT FROM DER, 386 FT LEFT OF CENTERLINE, UP TO 76 FT AGL/1496 FT MSL.

NOTE: RWY 33, NAVAID 34 FT FROM DER, 115 FT RIGHT OF CENTERLINE, 11 FT AGL/1431 FT MSL. MULTIPLE POLES AND TREES BEGINNING 3491 FT FROM DER, 15 FT RIGHT OF CENTERLINE, UP TO 100 FT AGL/1579 FT MSL. NAVAID 34 FT FROM DER, 115 FT LEFT OF CENTERLINE, 11 FT AGL/1431 FT MSL. VEHICLES ON ROAD BEGINNING 116 FT FROM DER, 496 FT LEFT OF CENTERLINE, 21 FT AGL/1441 FT MSL. TANK, NAVAIDS, POLES, TREES, AND TOWERS BEGINNING 2295 FT FROM DER, 80 FT LEFT OF CENTERLINE, UP TO 100 FT AGL/1610 FT MSL.

CONTROLLING OBSTACLES:

RWY 33: 1585 FT MSL TOWER 433604.00N/0964518.00W, 1610 FT MSL TREE 433619.64N/0964535.17W, 1594 FT MSL TREE 433623.81N/0964547.21W.

OBSTACLES MANDATING ODP ROUTE DEVELOPMENT: RWY 3/9/15/21/27/33 - 3426 FT MSL TOWER 433018.00N/0963323.00W.



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REMARKS:

FLIGHT INSPECTED BY:

Edward W. Mesa

5/30/13

REQUIRED EFFECTIVE DATE:

ROUTINE

DEVELOPED BY:

DAVID DANNER

AJV-353

12/12/2012

APPROVED BY:

LARRY STROUT

AJV-353

6-21-13

COORDINATED WITH:

ATA, ALPA, AOPA, NBAA, AMGR, ZMP, FSD ATCT, FSD APP CON

CHANGES:

1. ADDED LOW CLOSE IN OBS FOR RWY 3.
2. UPDATED LOW CLOSE IN OBS FOR ALL RUNWAYS.
3. RWY 9 CLIMB HEADING CHANGED FROM 098.18 TO 098.17.
4. REMOVED RWY 15 CEILING, VIS, AND CLIMB GRADIENT.
5. RWY 27 HEADING CHANGED FROM 278.19 TO 278.17.
6. RWY 27 CLIMB TO ALTITUDE RAISED FROM 2100 TO 2300.
7. RWY 33 CLIMB TO ALTITUDE RAISED FROM 2200 TO 2300.
8. ADDED CLIMB IN HOLD INSTRUCTIONS FOR RWY 9 AND 15.

REASONS:

- 1/2. UPDATED SURVEY DATA.
3. RUNWAY ALIGNMENT.
4. UPDATED SURVEY DOES NOT SHOW AN OBSTACLE THAT WOULD REQUIRE CEILING/VIS AND CLIMB GRADIENT.
5. RUNWAY ALIGNMENT.
- 6/7. TO CLEAR OBSTACLES.
8. CLIMB TO AIRWAY MEA ALTITUDE.

