

**FEDERAL AVIATION ADMINISTRATION
FLIGHT STANDARDS SERVICE
TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)
TITLE 14 CFR PART 97.37**

Bearings, headings, courses, tracks and radials are magnetic. Elevations 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
HETTINGER, ND	HETTINGER MUNI	8 NOVEMBER 2018	3

TAKEOFF MINIMUMS:

RWY 17, 35: NA - ENVIRONMENTAL

RWY 30: STANDARD.

RWY 12: 300-1 1/4 OR STANDARD WITH MINIMUM CLIMB OF 301 FT PER NM TO 3000.

TEXTUAL DEPARTURE PROCEDURES:

RWY 30: CLIMB HEADING 307.60 TO 3200 BEFORE TURNING RIGHT.

VISUAL CLIMB OVER AIRPORT:

TAKEOFF OBSTACLE NOTES:

NOTE: RWY 12: FENCE 26 FT FROM DER, 435 FT RIGHT OF CENTERLINE, 2703 FT MSL.
 TREE 1655 FT FROM DER, 857 FT LEFT OF CENTERLINE, 2743 FT MSL.
 TREE 1763 FT FROM DER, 733 FT LEFT OF CENTERLINE, 2754 FT MSL.
 TREE 2443 FT FROM DER, 1095 FT LEFT OF CENTERLINE, 2764 FT MSL.
 TREE 3135 FT FROM DER, 628 FT LEFT OF CENTERLINE, 2779 FT MSL.
 TREE 3137 FT FROM DER, 1028 FT LEFT OF CENTERLINE, 2780 FT MSL.
 TREE 3403 FT FROM DER, 1276 FT LEFT OF CENTERLINE, 2786 FT MSL.
 TREE 3513 FT FROM DER, 1427 FT LEFT OF CENTERLINE, 2792 FT MSL.
 TREE 3527 FT FROM DER, 1216 FT LEFT OF CENTERLINE, 2809 FT MSL.
 TREE 3589 FT FROM DER, 1354 FT LEFT OF CENTERLINE, 2816 FT MSL.
 TREES BEGINNING 3613 FT FROM DER, 1137 FT LEFT OF CENTERLINE, UP TO 2826 FT MSL.
 TREE 4520 FT FROM DER, 1293 FT LEFT OF CENTERLINE, 2838 FT MSL.
 TREES BEGINNING 4569 FT FROM DER, 1262 FT LEFT OF CENTERLINE, UP TO 60 FT AGL/2849 FT MSL.
 TREE 5487 FT FROM DER, 1936 FT LEFT OF CENTERLINE, 60 FT AGL/2869 FT MSL.
 TOWER, TREES BEGINNING 5516 FT FROM DER, 1129 FT LEFT OF CENTERLINE, UP TO 100 FT AGL/2906 FT MSL.
 TREES BEGINNING 5926 FT FROM DER, 1917 FT LEFT OF CENTERLINE, UP TO 60 FT AGL/2859 FT MSL.

NOTE: RWY 30: FENCE 26 FT FROM DER, 401 FT LEFT OF CENTERLINE, 2706 FT MSL.
 TERRAIN 93 FT FROM DER, 252 FT RIGHT OF CENTERLINE, 2709 FT MSL.
 FENCE 199 FT FROM DER, 349 FT RIGHT OF CENTERLINE, 2713 FT MSL.
 TERRAIN 290 FT FROM DER, 569 FT RIGHT OF CENTERLINE, 2714 FT MSL.
 TERRAIN 888 FT FROM DER, 703 FT RIGHT OF CENTERLINE, 2732 FT MSL.
 FENCE 1134 FT FROM DER, 670 FT RIGHT OF CENTERLINE, 2743 FT MSL.

CONTROLLING OBSTACLES:

RWY 12: 2906 FT MSL TOWER 460008.99N/1023751.06W (CLIMB GRADIENT, CLIMB-TO ALTITUDE, CEILING); 2859 FT MSL TREE 460011.54N/1023739.01W (VISIBILITY).

OBSTACLE MANDATING ODP ROUTE DEVELOPMENT: RWY 30: 3393 FT MSL WINDMILL 460419.43N/1023813.06W.

REMARKS:

FLIGHT INSPECTED BY:	<i>Digitally signed by</i> ROBERT G HAMILTON	OFFICE SYMBOL:	DATE:
BRANDON VANDERSCHAAF	Aug 06, 2018	FICO	7/31/18

DEVELOPED BY:	<i>Digitally signed by</i> JEFFREY ROBINSON	OFFICE SYMBOL:	DATE:
JEFFREY ROBINSON	Jun 08, 2018	AJV-5421	05/11/2018

APPROVED BY:	<i>Digitally signed by</i> ROBERT G HAMILTON	OFFICE SYMBOL:	DATE:
JULIE MORGAN	Aug 06, 2018	AJV-5420	

REQUIRED EFFECTIVE DATE:
ROUTINE



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COORDINATED WITH:

<u>A4A</u>	<u>ALPA</u>	<u>AOPA</u>	<u>APA</u>	<u>HAI</u>	<u>NBAA</u>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

OTHER:

ZMP, APT MGR

CHANGES - REASONS:

1. TAKEOFF MINIMUMS, RWY 12, CHANGED CEILING-VIS FROM 300-1 TO 300-1 1/4 - TO ACCOMMODATE 60-FT ADVERSE VEGETATION INSIDE THE ICA AND OUTSIDE THE SURVEY AREA.
2. TAKEOFF MINIMUMS, RWY 12, CHANGED MINIMUM CLIMB GRADIENT FROM 324 TO 301 - RECALCULATED BASED ON CURRENT OBSTACLE SURVEY DATA.
3. ADDED TEXTUAL DEPARTURE PROCEDURE, RWY 30: CLIMB HEADING 307.60 TO 3200 BEFORE TURNING RIGHT - TO MITIGATE NEW SURVEY OBSTACLES LOCATED IN THE DIVERSE A AREA, 3-3.5 NM NE OF THE AIRPORT.
4. UPDATED TAKEOFF OBSTACLE NOTES - TO REFLECT NEW OBSTACLE SURVEY DATA.
5. UPDATED CONTROLLING OBSTACLE DATA - PER CURRENT OBSTACLE DATA AND DOCUMENTATION CRITERIA.

