

**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
GREYBULL, WY	SOUTH BIG HORN COUNTY	12 OCTOBER 2017	2

TAKEOFF MINIMUMS:

RWY 08: STANDARD WITH MINIMUM CLIMB OF 310 FT PER NM TO 4800 OR 1600-3 FOR VCOA.
RWY 16: STANDARD WITH MINIMUM CLIMB OF 310 FT PER NM TO 4800 OR 1600-3 FOR VCOA.
RWY 26: STANDARD WITH MINIMUM CLIMB OF 310 FT PER NM TO 4800 OR 1600-3 FOR VCOA.
RWY 34: STANDARD WITH MINIMUM CLIMB OF 465 FT PER NM TO 4800 OR 1600-3 FOR VCOA.

TEXTUAL DEPARTURE PROCEDURES:

RWY 08: CLIMB TO 4800 THEN CLIMBING RIGHT TURN THENCE...
RWY 16: CLIMB TO 4800 THEN CLIMBING RIGHT TURN THENCE...
RWY 26: CLIMB TO 4800 THEN CLIMBING LEFT TURN THENCE...
RWY 34: CLIMBING LEFT TURN THENCE...

...PROCEED DIRECT GEY NDB. CLIMB IN GEY HOLDING PATTERN (HOLD SOUTHEAST, LEFT TURNS, 323.88 INBOUND) TO CROSS GEY NDB AT OR ABOVE 8500 BEFORE PROCEEDING ON COURSE.

VISUAL CLIMB OVER AIRPORT:

OBTAIN ATC APPROVAL FOR VCOA WHEN REQUESTING IFR CLEARANCE. CLIMB IN VISUAL CONDITIONS TO CROSS THE GEY NDB AT OR ABOVE 5600. CONTINUE CLIMB-IN-HOLD AT GEY NDB (HOLD SOUTHEAST, LEFT TURNS, 323.88 INBOUND) TO CROSS GEY NDB AT OR ABOVE 8500 BEFORE PROCEEDING ON COURSE.

TAKEOFF OBSTACLE NOTES:

NOTE: RWY 08: TREE ABEAM DER, 313 FT LEFT OF CENTERLINE, 3921 FT MSL. VEHICLE ON ROAD AND BUSH BEGINNING 8 FT FROM DER, 299 FT LEFT OF CENTERLINE, UP TO 15 FT AGL/3932 FT MSL. FENCE BEGINNING 15 FT FROM DER, 438 FT RIGHT OF CENTERLINE, UP TO 6 FT AGL/3925 FT MSL. FENCE BEGINNING 74 FT FROM DER, 443 FT RIGHT OF CENTERLINE, UP TO 11 FT AGL/3928 FT MSL. BUILDINGS BEGINNING 279 FT FROM DER, 408 FT RIGHT OF CENTERLINE, UP TO 19 FT AGL/3935 FT MSL. AIRCRAFT AND VEHICLE ON ROAD BEGINNING 337 FT FROM DER, 379 FT LEFT OF CENTERLINE, UP TO 3940 FT MSL. BUILDING 398 FT FROM DER, 492 FT RIGHT OF CENTERLINE, 22 FT AGL/3937 FT MSL. POLES BEGINNING 425 FT FROM DER, 594 FT RIGHT OF CENTERLINE, UP TO 33 FT AGL/3950 FT MSL.

NOTE: RWY 16: ELECTRICAL SYSTEM 9 FT FROM DER, 54 FT LEFT OF CENTERLINE, 10 FT AGL/3917 FT MSL. LIGHT SUPPORT STRUCTURE 9 FT FROM DER, 55 FT RIGHT OF CENTERLINE, 2 FT AGL/3917 FT MSL.

NOTE: RWY 26: FENCE BEGINNING 3 FT FROM DER, 450 FT LEFT OF CENTERLINE, UP TO 7 FT AGL/3951 FT MSL. TREE 84 FT FROM DER, 178 FT RIGHT OF CENTERLINE, 3944 FT MSL. TREE 171 FT FROM DER, 298 FT RIGHT OF CENTERLINE, 14 FT AGL/3954 FT MSL. FENCE BEGINNING 181 FT FROM DER, 439 FT LEFT OF CENTERLINE, UP TO 3953 FT MSL. FENCE 411 FT FROM DER, 436 FT LEFT OF CENTERLINE, 7 FT AGL/3954 FT MSL. TRANSMISSION LINE TOWER AND TREES BEGINNING 523 FT FROM DER, 439 FT LEFT OF CENTERLINE, UP TO 22 FT AGL/3969 FT MSL. POLE 594 FT FROM DER, 300 FT RIGHT OF CENTERLINE, 11 FT AGL/3959 FT MSL. TREES BEGINNING 2110 FT FROM DER, 958 FT LEFT OF CENTERLINE, UP TO 4028 FT MSL. RIDGELINE AND BUSH BEGINNING 4119 FT FROM DER, 1513 FT RIGHT OF CENTERLINE, UP TO 4102 FT MSL. VEHICLE ON ROAD ON RIDGELINE BEGINNING 1.1 NM FROM DER, 2309 FT RIGHT OF CENTERLINE, UP TO 4131 FT MSL. VEHICLE ON ROAD ON RIDGELINE BEGINNING 1.1 NM FROM DER, 1750 FT RIGHT OF CENTERLINE, UP TO 4136 FT MSL. VEHICLE ON ROAD ON RIDGELINE BEGINNING 1.2 NM FROM DER, 1865 FT RIGHT OF CENTERLINE, UP TO 4140 FT MSL.

NOTE: RWY 34: ELECTRICAL SYSTEM AND LIGHT SUPPORT STRUCTURE 7 FT FROM DER, 55 FT LEFT OF CENTERLINE, UP TO 12 FT AGL/3906 FT MSL. LIGHT SUPPORT STRUCTURE 7 FT FROM DER, 54 FT RIGHT OF CENTERLINE, 2 FT AGL/3906 FT MSL. RIDGELINE BEGINNING 2.1 NM FROM DER, 3251 FT RIGHT OF CENTERLINE, UP TO 4454 FT MSL. RIDGELINE BEGINNING 2.2 NM FROM DER, 2356 FT RIGHT OF CENTERLINE, UP TO 4554 FT MSL. RIDGELINE BEGINNING 2.3 NM FROM DER, 1356 FT RIGHT OF CENTERLINE, UP TO 4704 FT MSL.

CONTROLLING OBSTACLES:

RWY 8, 16, 26, 34: 5014 MSL GRD 444459.89N/1080528.46W (CLIMB GRADIENT). 5160 MSL AAO 443506.58N/1080525.12W (VCOA CEILING AND VIS)

OBSTACLE MANDATING ODP ROUTE DEVELOPEMENT: RWY 8, 16, 26, 34: 10362 FEET MSL AAO 444340.11N/1074522.29W
RWY 34: 4919 FEET MSL GRD 443400.00N/1080338.36W

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EFFECTIVE DATE **AMDT NO**
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REMARKS:

SECOND OBSTACLE MANDATING ROUTE DEVELOPEMENT EFFECTS RWY 34 ONLY AND REQUIRES LEFT TURN AS SOON AS PRACTICAL AFTER TAKEOFF.
CHART NOTE: NDB REQUIRED.

FLIGHT INSPECTED BY:

Digitally signed by
JOEL F HAWKLEY **DONALD H LANIER**
Jul 28, 2017

OFFICE SYMBOL:

FICO

DATE:

07/21/2017

DEVELOPED BY:

Digitally signed by
LIAM DONAHUE **LIAM DONAHUE**
Jun 01, 2017

OFFICE SYMBOL:

AJV-5431

DATE:

04/28/2017

APPROVED BY:

Digitally signed by
PATRICK MULQUEEN **DONALD H LANIER**
Jul 28, 2017

OFFICE SYMBOL:

AJV-5430

DATE:

REQUIRED EFFECTIVE DATE:
ROUTINE

COORDINATED WITH:

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

OTHER:

APT MGR, ZLC.

CHANGES - REASONS:

1. LOWERED THE CLIMB GRADIENT CLIMB TO ALTITUDE FROM 5700 TO 4800. -NEW CONTROLLING OBSTACLE 5014 MSL GRD. OLD OBSTACLE WAS A 5205 AAO PLACED INSIDE THE AAO EXEMPT AREA.
2. LOWERED CEILING FOR THE VCOA FROM 4600 TO 1600 AND ADDED CLIMB-IN-HOLD - CLEAR 10362 AAO DERIVED FROM MAP STUDY 18.78 NM FROM FIELD WITHOUT EXCESSIVE CEILING REQUIREMENT.
3. CHANGED CLIMB-IN-HOLD AT GEY NDB INBOUND COURSE FROM 317.88 TO 323.88. - AIRPORT AND NDB MAGNETIC VARIATION CHANGED FROM 14E TO 10E (EPOCH YEAR 2020)
4. INCREASED GEY NDB CLIMB-IN-HOLD ALTITUDE FROM 8000 AND VCOA CLIMB TO ALTITUDE FROM 8400 TO 8500.- CLEAR 10362 AAO DERIVED FROM MAP STUDY 19.04 NM FROM GEY NDB AND 18.78 NM FROM THE FIELD.
5. UPDATED TAKEOFF OBSTACLE NOTES FOR ALL RUNWAYS - PER TARGETS AND OBSTACLE GROUPER.
6. UPDATED CONTROLLING OBSTACLES. - MAP STUDY
7. ADDED REMARK: SECOND OBSTACLE MANDATING ROUTE DEVELOPEMENT EFFECTS RWY 34 ONLY AND REQUIRES LEFT TURN AS SOON AS PRACTICAL AFTER TAKEOFF. - EXPLAINS OBSTACLE MANDATING ROUTE.
8. CHANGED RWY 08, 16, 26, 34 TAKEOFF MINIMUMS FROM "...4800 OR 1600-3 FOR CLIMB IN VISUAL CONDITIONS" TO "...4800 OR 1600-3 FOR VCOA" - PER 8260.46F DOCUMENTATION CRITERIA.