

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.

<u>CITY, STATE</u>	<u>AIRPORT</u>	<u>EFFECTIVE DATE</u>	<u>AMDT NO</u>
VERNAL, UT	VERNAL RGNL	12/07/2017	2

**TAKEOFF MINIMUMS:**

**RWY 17:** STANDARD WITH MINIMUM CLIMB OF 210 FT PER NM TO 6000, OR ALTERNATIVELY WITH STANDARD TAKEOFF MINIMUMS AND A NORMAL 200 FT PER NM CLIMB GRADIENT, TAKEOFF MUST OCCUR NO LATER THAN 1800 FT PRIOR TO DER OR 2200-3 FOR VCOA.

**RWY 35:** STANDARD WITH MINIMUM CLIMB OF 410 FT PER NM TO 7700 OR 2200-3 FOR VCOA.

**TEXTUAL DEPARTURE PROCEDURES:**

**RWY 17:** CLIMBING LEFT TURN DIRECT VEL VOR/DME, THENCE...

**RWY 35:** CLIMBING RIGHT TURN DIRECT VEL VOR/DME, THENCE...

...ON VEL VOR/DME R-142.48 TO ENSEN INT/VEL 9.70 DME AND HOLD (HOLD SE, RT, 322.48 INBOUND). CONTINUE CLIMB-IN-HOLD TO THE MEA/MCA FOR ROUTE OF FLIGHT.

**VISUAL CLIMB OVER AIRPORT:**

**RWY 17, 35:** OBTAIN ATC APPROVAL FOR VCOA WHEN REQUESTING IFR CLEARANCE: CLIMB IN VISUAL CONDITIONS TO CROSS VERNAL RGNL AIRPORT AT OR ABOVE 7300, THEN CONTINUE CLIMB ON VEL VOR/DME R-142.48 UNTIL REACHING THE MEA/MCA FOR ROUTE OF FLIGHT.

**TAKEOFF OBSTACLE NOTES:**

**NOTE: RWY 17:** TERRAIN BEGINNING 19 FT FROM DER, 140 FT RIGHT OF CENTERLINE, UP TO 5290 FT MSL. TERRAIN AND AGRICULTURAL EQUIPMENT BEGINNING 118 FT FROM DER, 15 FT LEFT OF CENTERLINE, UP TO 6 FT AGL/5284 FT MSL. TREE 1333 FT FROM DER, 295 FT LEFT OF CENTERLINE, 5315 FT MSL. TREE 1378 FT FROM DER, 221 FT LEFT OF CENTERLINE, 5317 FT MSL. TREE 1456 FT FROM DER, 112 FT LEFT OF CENTERLINE, 5318 FT MSL. TREE 1498 FT FROM DER, 32 FT LEFT OF CENTERLINE, 5320 FT MSL. POLES BEGINNING 1948 FT FROM DER, 46 FT RIGHT OF CENTERLINE, UP TO 35 FT AGL/5334 FT MSL. TREES BEGINNING 2411 FT FROM DER, 19 FT LEFT OF CENTERLINE, UP TO 5370 FT MSL. TREE 2439 FT FROM DER, 296 FT RIGHT OF CENTERLINE, 5339 FT MSL. TREE 2468 FT FROM DER, 288 FT RIGHT OF CENTERLINE, 5341 FT MSL. TREES BEGINNING 2497 FT FROM DER, 290 FT RIGHT OF CENTERLINE, UP TO 5344 FT MSL. TREES BEGINNING 2511 FT FROM DER, 105 FT LEFT OF CENTERLINE, UP TO 5374 FT MSL. TREE 2534 FT FROM DER, 361 FT RIGHT OF CENTERLINE, 5355 FT MSL. TREE 2553 FT FROM DER, 355 FT RIGHT OF CENTERLINE, 5362 FT MSL. TREES BEGINNING 2573 FT FROM DER, 323 FT RIGHT OF CENTERLINE, UP TO 5370 FT MSL. TREES BEGINNING 4620 FT FROM DER, 71 FT LEFT OF CENTERLINE, UP TO 5397 FT MSL. TREE 4749 FT FROM DER, 184 FT RIGHT OF CENTERLINE, 5401 FT MSL. TREE 4895 FT FROM DER, 65 FT LEFT OF CENTERLINE, 5403 FT MSL.

**NOTE: RWY 35:** POLE 178 FT FROM DER, 153 FT LEFT OF CENTERLINE, 5290 FT MSL. TREE AND POLE BEGINNING 934 FT FROM DER, 625 FT RIGHT OF CENTERLINE, UP TO 5302 FT MSL.

**CONTROLLING OBSTACLES:**

**RWY 17:** 5799 FT MSL AAO 402216.40N/1093104.30W.

**RWY 35:** 7079 FT MSL AAO 403205.30N/1092719.20W.

**RWY 17, 35 (VCOA):** 6870 FT MSL TOWER (49-020235) 402631.50N/1093634.52W (VISUAL CLIMB AREA).

**OBSTACLES MANDATING ODP ROUTE DEVELOPMENT**

**RWY 17, 35:** 12402 FT MSL AAO 404239.00N/1094942.00W.

**RWY 17, 35 (VCOA):** 12402 FT MSL AAO 404239.00N/1094942.00W.



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VERNAL, UT	VERNAL RGNL	12/07/2017	2

**REMARKS:**

1. PRECIPITIOUS TERRAIN DOES NOT EXIST IN VISUAL CLIMB AREA.
2. HARD DATE FOR RUNWAY CONSTRUCTION.

<b>FLIGHT INSPECTED BY:</b>	<i>Digitally signed by</i>	<b>OFFICE SYMBOL:</b>	<b>DATE:</b>
PENDING	<b>ROBERT G HAMILTON</b>		
	Sep 18, 2017		

<b>DEVELOPED BY:</b>	<i>Digitally signed by</i>	<b>OFFICE SYMBOL:</b>	<b>DATE:</b>
PETER GUIMOND	<b>PETER R GUIMOND</b>	AJV-5422	07/27/2017
	Jul 27, 2017		

<b>APPROVED BY:</b>	<i>Digitally signed by</i>	<b>OFFICE SYMBOL:</b>	<b>DATE:</b>
JULIE MORGAN	<b>ROBERT G HAMILTON</b>	AJV-5420	
	Aug 04, 2017		

**REQUIRED EFFECTIVE DATE:**  
12/07/2017

**COORDINATED WITH:**

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

**OTHER:**  
ZLC, AMGR

**CHANGES - REASONS:**

1. DELETED ALL REFERENCES TO RWY 7/25 - WESTERN FPT REQUEST, RWYS BEING DECOMMISSIONED.
2. AMENDED ALL REFERENCES TO RWY 16/34 TO READ RWY 17/35 - RWYS BEING RENUMBERED CONCURRENT WITH AIRPORT MAGVAR UPDATE FROM 13E (2000) TO 10E (2020).
3. AMENDED RWY 17 TAKEOFF MINIMUMS FROM 1500-2 OR STANDARD WITH MINIMUM CLIMB OF 250 FT PER NM TO 7000 TO STANDARD WITH MINIMUM CLIMB OF 210 FT PER NM TO 6000, OR ALTERNATIVELY WITH STANDARD TAKEOFF MINIMUMS AND A NORMAL 200 FT PER NM CLIMB GRADIENT, TAKEOFF MUST OCCUR NO LATER THAN 1800 FT PRIOR TO DER OR 2200-3 FOR VCOA - NEW OBSTACLE STUDY USING RELOCATED POSITION OF DEPARTURE END OF RWY AND WITH THE APPLICATION OF AAO IN ACCORDANCE WITH FAO 8260.19G.
4. AMENDED RWY 35 TAKEOFF MINIMUMS FROM 1600-2 OR STANDARD WITH MINIMUM CLIMB OF 330 FT PER NM TO 7000 TO STANDARD WITH MINIMUM CLIMB OF 410 FT PER NM TO 7700 OR 2200-3 FOR VCOA - NEW OBSTACLE STUDY USING RELOCATED POSITION OF DEPARTURE END OF RWY AND WITH THE APPLICATION OF AAO IN ACCORDANCE WITH FAO 8260.19G.
5. AMENDED RWY 17 TEXTUAL DP PROCEDURE FROM TURN LEFT THEN CLIMB DIRECT VEL VOR/DME TO CLIMBING LEFT TURN DIRECT VEL VOR/DME, THENCE - FORMATTED IN ACCORDANCE WITH FAO 8260.46F, APPENDIX D, PARA 7.
6. AMENDED RWY 35 TEXTUAL DP PROCEDURE FROM TURN RIGHT THEN CLIMB DIRECT VEL VOR/DME TO CLIMBING RIGHT TURN DIRECT VEL VOR/DME, THENCE - FORMATTED IN ACCORDANCE WITH FAO 8260.46F, APPENDIX D, PARA 7.
7. AMENDED THENCE INSTRUCTIONS FROM AIRCRAFT DEPARTING V391 S-BOUND PROCEED ON COURSE, ALL OTHERS CLIMB IN HOLDING PATTERN (HOLD SE, RT, 322 INBOUND), AIRCRAFT SW-BOUND V208 DEPART VEL VOR/DME AT OR ABOVE 8400, ALL OTHERS DEPART VEL VOR/DME HOLDING PATTERN AT OR ABOVE 9500, CONTINUE CLIMB ON COURSE TO MEA OR ASSIGNED ALTITUDE TO READ ON VEL VOR/DME R-142.48 TO ENSEN INT/VEL 9.70 DME AND HOLD (HOLD SE, RT, 322.48 INBOUND). CONTINUE CLIMB-IN-HOLD TO THE MEA/MCA FOR ROUTE OF FLIGHT - WESTERN FPT REQUEST.
8. ADDED VISUAL CLIMB OVER AIRPORT (VCOA) INSTRUCTIONS - IN ACCORDANCE WITH FAO 8260.46F, TABLE 2-1-1, SITUATION 3B.
9. ADDED CONTROLLING OBSTACLES AND OBSTACLES MANDATING ODP ROUTE DEVELOPMENT FOR RWY 17, RWY 35, AND THE VCOA - FORMATTED IN ACCORDANCE WITH FAO 8260.46F, APPENDIX D, PARA 10.
10. ADDED TAKEOFF OBSTACLES NOTES FOR RWY 17 AND RWY 35 - IN ACCORDANCE WITH FAO 8260.46F, APPENDIX D, PARA 9. GROUPED AND FORMATTED IN ACCORDANCE WITH DEPARTURE OBSTACLES GROUPER (1.0) STANDARD OPERATING PROCEDURE.

QUALITY  
18  
CHECKED