

**FEDERAL AVIATION ADMINISTRATION
FLIGHT STANDARDS SERVICE
VOR STANDARD INSTRUMENT APPROACH PROCEDURE**

TITLE 14 CFR PART 97.23

Bearings, headings, courses, tracks and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated.
Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or feet RVR.

<u>AIRPORT</u> ABERDEEN RGNL	<u>AIRPORT ID</u> KABR	<u>PROCEDURE NAME</u> VOR RWY 13	<u>ORIGINAL/AMENDMENT</u> 13B	<u>CITY</u> ABERDEEN	<u>STATE</u> SD
<u>AIRPORT ELEVATION</u> 1302	<u>TDZE</u> 1302	<u>SUPERSEDED</u> VOR/DME RWY 13	<u>ORIGINAL/AMENDMENT</u> 13A	<u>DATED</u> 11/19/2009	<u>MAG VAR</u> 7E
<u>FACILITY</u> ABR	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 28 FEBRUARY 2019	<u>REQUIRED EFFECTIVE DATE</u> ROUTINE	<u>CANCEL/SUSPEND</u>	<u>EPOCH YEAR</u> 1985

TERMINAL ROUTES

<u>FROM</u>	<u>FIX TYPE</u>	<u>TO</u>	<u>FIX TYPE</u>	<u>LEG TYPE</u>	<u>FO/FB</u>	<u>RNP</u>	<u>COURSE</u>	<u>DISTANCE</u>	<u>ALTITUDE</u>
ABR VOR/DME		DASHL/8.00 DME					305.23	8.00	3000
OPILY/16.00 DME CCW	IAF	HAKRE/16.00 DME	NOPT				16.00 DME ARC (ABR LR-313)		3000
OPJIM/16.00 DME CW	IAF	HAKRE/16.00 DME	NOPT				16.00 DME ARC (ABR LR-298)		3000
HAKRE/16.00 DME	IF	DASHL/8.00 DME					125.23	8.00 (ABR R-305)	3000

MISSED APPROACH

MAP:

ABR 3.38 DME

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 3000 DIRECT ABR VOR/DME AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:

PROFILE:

1. PT **SIDE OF COURSE** **OUTBOUND** **FT WITHIN** **MILES OF (IAF)**
2. HOLD NW DASHL, RT, 125.23 INBOUND, 3000 FT. IN LIEU OF PT (IAF), MAX 6000.
3. **FAC:** 125.23 **FAF:** DASHL/8.00 DME **DIST FAF TO MAP:** **DIST FAF TO THLD:** 4.62
4. **MIN ALT:** DASHL/8.00 DME 3000
8. **MSA FROM:** ABR VOR/DME 330-150 3400, 150-330 3000

EQUIPMENT REQUIREMENTS NOTES:

DME REQUIRED.

NOTES:

CHART PROFILE NOTE: VGSI AND DESCENT ANGLES NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}).
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL ON ABR VOR/DME AIRWAY RADIALS 256 CW 345.



ADDITIONAL FLIGHT DATA:

CHART CIRCLING ICON.
DASHL TO RW13: 3.36/51.
CHART ABR R-031 AT OPILY.
CHART ABR R-225 AT OPJIM.
CHART VDP AT 4.79 DME
DISTANCE VDP TO THLD 1.40 NM
CHART FAS OBST: 1531 TOWER 452912N/0982951W.
HOLD SE, RT, 305.00 INBOUND

MINIMUMS:

TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT

ALTERNATE: NA ☐ STANDARD - CAT D 900-2 3/4

CATEGORY:	A			B			C			D			E		
FINAL TYPE	DA/MDA	VIS	HAT/HAA	DA/MDA	VIS	HAT/HAA	DA/MDA	VIS	HAT/HAA	DA/MDA	VIS	HAT/HAA	DA/MDA	VIS	HAT/HAA
S-13	1800	1	498	1800	1	498	1800	1 3/8	498	1800	1 3/8	498			
CIRCLING	1800	1	498	1860	1	558	1960	1 3/4	658	2160	2 3/4	858			

CHANGES - REASONS

1. CHANGED PROCEDURE NAME FROM VOR/DME RWY 13 TO VOR RWY 13 - IN ACCORDANCE WITH FAAO 8260.3C, PARA 1-6-2.
2. ADDED EQUIPMENT REQUIREMENT NOTE DME REQUIRED - IN ACCORDANCE WITH FAAO 8260.19H, PARA 8-6-8.
3. AMENDED S-13 MDA/HAT FROM 1780/478 TO 1800/498 - CONTROLLING OBSTACLE (46-000006) IS NOW 1531 MSL VICE 1530 MSL IN AIRNAV.
4. AMENDED S-13 CATS C/D VISIBILITY FROM 1 1/4 TO 1 3/8 - COMPUTED USING HIGHER HAT AND IN ACCORDANCE WITH FAAO 8260.3C, TABLE 3-3-1.
5. AMENDED FAS OBST HEIGHT FROM 1530 MSL TO 1531 MSL IN ADDITIONAL FLIGHT DATA - MATCH CURRENT AIRNAV VALUE FOR OBSTACLE 46-000006.
6. ADDED CHART CIRCLING ICON IN ADDITIONAL FLIGHT DATA - IN ACCORDANCE WITH FAAO 8260.19H, PARA 8-6-10T. THE RNAV (GPS) RWY 13 AT THE AIRPORT HAS A CIRCLING ICON PUBLISHED.
7. AMENDED CAT A CIRCLING MDA/HAA FROM 1780/478 TO 1800/498 - MATCH HIGHER S-13 MDA.
8. AMENDED CAT B CIRCLING MDA/HAA FROM 1760/458 TO 1860/558 - NEW CONTROLLING OBSTACLE IDENTIFIED IN LARGER CIRCLING AREA (MATCHES CAT B CIRCLING MINIMUMS ON THE RNAV (GPS) RWY 13).
9. AMENDED CAT C CIRCLING MDA/HAA FROM 1760/458 TO 1960/658 AND VISIBILITY FROM 1 1/2 TO 1 3/4 - NEW CONTROLLING OBSTACLE IDENTIFIED IN LARGER CIRCLING AREA (MATCHES CAT C CIRCLING MINIMUMS ON THE RNAV (GPS) RWY 13).
10. AMENDED CAT D CIRCLING MDA/HAA FROM 1860/558 TO 2160/858 AND VISIBILITY FROM 2 TO 2 3/4 - NEW CONTROLLING OBSTACLE IDENTIFIED IN LARGER CIRCLING AREA (MATCHES CAT D CIRCLING MINIMUMS ON THE RNAV (GPS) RWY 13).
11. AMENDED VDP FROM 4.73 DME, 1.34 NM TO THLD TO 4.79 DME, 1.40 NM TO THLD - COMPUTED USING AMENDED S-13 MDA.
12. DELETED NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA - NO LONGER NEEDED, VISUAL SURFACES ARE CLEAR OF PENETRATIONS.
13. DELETED NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE WATERTOWN ALTIMETER SETTING AND INCREASE ALL MDA 220 FEET, INCREASE S-13 CATS C AND D VISIBILITY 3/4 MILE AND CIRCLING CATS C AND D VISIBILITY 1/2 MILE - LOCAL ASOS IS ON WMSCR. BACK-UP ALTIMETER ADJUSTMENTS AND NOTES MOVED TO FAA FORM 8260-9 FOR CONTINGENCY USE DURING KABR ASOS OUTAGES.
14. DELETED NOTE: VDP NA WHEN USING WATERTOWN ALTIMETER SETTING - LOCAL ASOS IS ON WMSCR. BACK-UP ALTIMETER ADJUSTMENTS AND NOTES MOVED TO FAA FORM 8260-9 FOR CONTINGENCY USE DURING KABR ASOS OUTAGES.
15. ADDED PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL ON ABR VOR/DME AIRWAY RADIALS 256 CW 345 - IN ACCORDANCE WITH FAAO 8260.3C, PARA 2-3-1A(1), TURNS EXCEED 120 DEGREES.
16. DELETED ALTERNATE MINIMUMS RESTRICTION NA WHEN LOCAL WEATHER NOT AVAILABLE - NO LONGER REQUIRED, LOCAL ASOS IS ON WMSCR.
17. AMENDED CAT D ALTERNATE MINIMUMS FROM STANDARD TO 900-2 3/4 - COMPUTED USING HIGHER CAT D CIRCLING MINIMUMS.
18. AMENDED MSA SECTOR 330 CW 150 MINIMUM ALTITUDE FROM 4100 TO 3400 - NEW OBSTACLE STUDY.
19. INCORPORATED CHANGES FROM AMDT 13A - IN ACCORDANCE WITH FAAO 8260.19H, PARA 8-3-4C(2).



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<u>COORDINATED WITH:</u> A4A <input checked="" type="checkbox"/> ALPA <input checked="" type="checkbox"/> AOPA <input checked="" type="checkbox"/> APA <input checked="" type="checkbox"/> HAI <input type="checkbox"/> NBAA <input checked="" type="checkbox"/> <u>OTHER:</u> ZMP, AMGR					
<u>FLIGHT CHECKED BY</u> FLIGHT INSPECTION REVIEW NOT REQUIRED - PROCESSED IAW AIRCRAFT OPERATIONS GROUP (AJW-33) MEMO, DEC 22, 2017.			<u>OFFICE</u>	<u>DATE</u> <i>Digitally signed by</i> ROBERT G HAMILTON Sep 06, 2018	
<u>DEVELOPED BY</u> PETER R. GUIMOND <i>Digitally signed by</i> PETER R GUIMOND Aug 14, 2018			<u>OFFICE</u> AJV-5422	<u>DATE</u> 08/14/2018	
<u>APPROVED BY</u> JULIE MORGAN			<u>OFFICE</u> AJV-5420	<u>DATE</u> <i>Digitally signed by</i> ROBERT G HAMILTON Sep 06, 2018	<u>TITLE</u> MANAGER

