

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 ID</u> KMDT	<u>PROCEDURE NAME</u> VOR RWY 31	<u>ORIGINAL/AMENDMENT</u> 2C	<u>CITY</u> HARRISBURG	<u>STATE</u> PA		
<u>AIRPORT ELEVATION</u> 310	<u>TDZE</u> 308	<u>SUPERSEDED</u> VOR RWY 31	<u>ORIGINAL/AMENDMENT</u> 2B	<u>DATED</u> 09/15/2016	<u>MAG VAR</u> 9W	<u>EPOCH YEAR</u> 1975
<u>FACILITY</u> LRP	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 3 NOVEMBER 2022	<u>REQUIRED EFFECTIVE DATE</u> ROUTINE	<u>CANCEL/SUSPEND</u>		

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>
LRP VOR/DME	IAF	KOORT INT/LRP 10.33 DME					290.12	10.33	2000
KOORT INT/LRP 10.33 DME	IF	BROML INT/LRP 16.33 DME					290.12	6.00 (LRP R-290)	2000

MISSED APPROACH

MAP:

4.30 NM AFTER BROML INT/LRP 16.33 DME OR AT XILWE/LRP 20.63 DME

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 1500 THEN CLIMBING RIGHT TURN TO 3000 ON HEADING 090 AND RAV VORTAC R-193 TO BAARN INT/LRP 17.95 DME AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:

PROFILE:

1. PT SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)
2. PROFILE STARTS AT KOORT
3. FAC: 290.12 FAF: BROML INT/LRP 16.33 DME DIST FAF TO MAP: 4.30 DIST FAF TO THLD: 5.16
4. MIN ALT: KOORT INT/LRP 10.33 DME 2000, BROML INT/LRP 16.33 DME 2000
8. MSA FROM: LRP VOR/DME 060-240 2600, 240-060 3000

EQUIPMENT REQUIREMENTS NOTES:

NOTES:

CHART NOTE: CIRCLING NA S OF RWY 13-31.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL ON LRP VOR/DME AIRWAY RADIALS 248 CW 296.
CHART NOTE: RWY 31 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED.



ADDITIONAL FLIGHT DATA:
HOLD SE, RT, 314.06 INBOUND.
FAS OBST: 1125 AAO 401257N/0764039W.
BROML TO RW31: 3.00/51.0.

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

ALTERNATE: NA ☐ CAT A, B 1000-2, CAT C 1000-3, CAT D 1200-3

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-31	1260	1 1/4	952	1260	1 1/2	952	1260	3	952	1260	3	952			
CIRCLING	1260	1 1/4	950	1260	1 1/2	950	1260	3	950	1440	3	1130			

CHANGES - REASONS

1. INCREASED S-31 MDA/HAT FROM 1160/852 TO 1260/952 - NEW CONTROLLING OBSTACLE.
2. INCREASED S-31 VISIBILITY FROM CAT A RVR 55 TO 1 1/4, CAT B RVR 60 TO 1 1/2 AND CAT C/D 2 1/2 TO 3 - CORRESPONDING CHANGE WITH INCREASE IN THE SI MDA.
3. INCREASED CIRCLING CAT A/B/C MDA/HAA FROM 1160/850 TO 1260/950 AND CAT D MDA/HAA FROM 1160/850 TO 1440/1130 - NEW CIRCLING RADIUS CRITERIA APPLIED.
4. INCREASED CIRCLING VISIBILITY FROM CAT B 1 1/4 TO 1 1/2, CAT C 2 1/2 TO 3 AND CAT D 2 3/4 TO 3 - CORRESPONDING CHANGE WITH INCREASE OF CIRCLING MDA FROM THE APPLICATION OF THE NEW CIRCLING RADIUS CRITERIA.
5. UPDATED ALTERNATE MINIMUMS: FROM CAT A/B 900-2, CAT C 900-2 1/2, AND CAT D 900-2 3/4 TO CAT A/B 1000-2, CAT C 1000-3, CAT D 1200-3 - AS REQUIRED WITH CHANGE OF PRIMARY MINIMUMS.

COORDINATED WITH:

A4A ☒ ALPA ☒ AOPA ☒ APA ☒ HAI ☐ NBAA ☒ OTHER: ZNY, MDT APP CON, AMGR

FLIGHT CHECKED BY STEPHEN BAUER	<i>Digitally signed by</i> JASON KRETSCHMER Aug 29, 2022	OFFICE FPO	DATE 08/25/2022	
DEVELOPED BY ANDRE MARSH	<i>Digitally signed by</i> JASON KRETSCHMER Jul 08, 2022	OFFICE AJV-A421	DATE 07/28/2021	
APPROVED BY MARLON ROBINSON	<i>Digitally signed by</i> JASON KRETSCHMER Jul 08, 2022	OFFICE AJV-A420	DATE	TITLE MANAGER

