

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> KDTL	<u>PROCEDURE NAME</u> VOR RWY 32	<u>ORIGINAL/AMENDMENT</u> 2	<u>CITY</u> DETROIT LAKES	<u>STATE</u> MN		
<u>AIRPORT ELEVATION</u> 1396	<u>TDZE</u> 1372	<u>SUPERSEDED</u> VOR RWY 31	<u>ORIGINAL/AMENDMENT</u> 1A	<u>DATED</u> 05/28/2015	<u>MAG VAR</u> 2E	<u>EPOCH YEAR</u> 2025
<u>FACILITY</u> DTL	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 25 FEBRUARY 2021	<u>REQUIRED EFFECTIVE DATE</u> 02/25/2021	<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>
STARR/AXN 42.25 DME		DTL VOR/DME					356.38	19.33	3200
ROLAG INT/AXN 65.62 DME		DTL VOR/DME					082.90	14.37	3200

MISSED APPROACH

MAP:

DTL VOR/DME

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 2500 THEN CLIMBING LEFT TURN TO 3200 DTL VOR/DME AND HOLD, CONTINUE CLIMB-IN-HOLD 3200.

ALTERNATE MISSED APPROACH INSTRUCTIONS:

PROFILE:

1. PT R SIDE OF COURSE 134.10 OUTBOUND 3200 FT WITHIN 10 MILES OF DTL VOR/DME (IAF)

2.

3. FAC: 314.10 FAF: DIST FAF TO MAP: DIST FAF TO THLD:

4. MIN ALT: DUWIZ/DTL 3.28 DME 2200*

8. MSA FROM: DTL VOR/DME 180-270 3600, 270-180 3200

EQUIPMENT REQUIREMENTS NOTES:

NOTES:

CHART NOTE: CIRCLING NA TO RWYS 18 AND 36.
CHART NOTE: VDP NA WITH PARK RAPIDS ALTIMETER SETTING.
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE PARK RAPIDS ALTIMETER SETTING AND INCREASE ALL MDA 100 FEET AND VISIBILITY CAT A 1/4 SM, CATS C AND D 1/2 SM AND CIRCLING CATS A AND C 1/4 SM, CAT D 1/2 SM. DUWIZ FIX MINIMUMS: INCREASE VISIBILITY CATS C AND D 1/4 SM.
CHART NOTE: FOR INOPERATIVE ALS, INCREASE S-32 CATS C AND D VISIBILITY TO 2 1/2 SM.
CHART NOTE: INOPERATIVE TABLE DOES NOT APPLY TO S-32 CATS C AND D WHEN USING PARK RAPIDS ALTIMETER SETTING.

*2300 WHEN USING PARK RAPIDS ALTIMETER SETTING.

ADDITIONAL FLIGHT DATA:

HOLD NW, RT, 144.33 INBOUND.
CHART FAS OBST: 1510 WATER_TOWER 464857N/0955107W.
1697 AAO 464821N/0954706W.
CHART VDP AT 1.89 DME
DISTANCE VDP TO THLD 1.11 NM.
FAC CROSSES RWY C/L EXTENDED 3000 FT FROM THLD.
CHART CIRCLING ICON.
DUWIZ TO RW32: 3.00/42.2.

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

ALTERNATE: NA ☒

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-32	2200	3/4	828	2200	1	828	2200	2	828	2200	2	828			
CIRCLING	2200	1	804	2200	1 1/4	804	2200	2 1/2	804	2200	2 1/2	804			
DUWIZ FIX MINIMUMS															
S-32	1760	3/4	388	1760	3/4	388	1760	7/8	388	1760	7/8	388			
CIRCLING	1820	1	424	1860	1	464	2080	2	684	2140	2 1/2	744			

CHANGES - REASONS

1. UPDATED RWY NUMBERING FROM 31 TO 32- MAGVAR AND RUNWAY RENUMBERING.
2. UPDATED PROCEDURE TURN OUTBOUND COURSE FROM 130.07 TO 134.10- MAGVAR AND NEW STEPDOWN LOCATION.
3. UPDATED COURSE FROM STARR TO DTL VOR/DME FROM 353.38 TO 356.38- MAGVAR.
4. UPDATED COURSE FROM ROLAG TO DTL VOR/DME FROM 79.89 TO 82.90- MAGVAR.
5. UPDATED FINAL COURSE FROM 310.07 TO 314.10- MAGVAR AND NEW STEPDOWN LOCATION.
6. UPDATED DISTANCE FROM DUWIZ TO MAP FROM 2.39NM TO 3.28- NEW SDF LOCATION.
7. UPDATED MISSED APPROACH FROM "CLIMB TO 2500 THEN CLIMBING LEFT TURN TO 3200 DIRECT DTL VOR/DME AND HOLD" TO "CLIMB TO 2500 THEN CLIMBING LEFT TURN TO 3100 OR DTL VOR/DME DIRECT DTL VOR/DME AND HOLD, CONTINUE CLIMB-IN-HOLD 3200"- NEW EVALUATION SHOWS CLIMB-IN-HOLD REQUIRED.
8. UPDATED S-32 HAT FROM 730 TO 828 AND CAT A VISIBILITY FROM 1 TO 3/4 AND CAT B FROM 1 1/4 TO 1- NEW CONTROLLER.
9. UPDATED CIRCLING HAT CATS A-C FROM 2120/723 TO 2200/804 AND CAT D MDA/HAA FROM 2120/723 TO 2200/804 AND CAT C/D VISIBILITY FROM 2 AND 2 1/4 TO 2 1/2- NEW CONTROLLING OBSTACLES.
10. UPDATED STEPDOWN MINIMUM MDA/HAT FROM 1880/490 TO 1760/388 AND CATS A-B VISIBILITY FROM 1 TO 3/4 AND C-D VISIBILITY FROM 1 3/8 TO 7/8- NEW CONTROLLER AND VIS CHECK.
11. UPDATED STEPDOWN CIRCLING MINIMUM CMDA/HAA FROM CAT A 1880/483 TO 1820/424, CAT B FROM 1940/543 TO 1860/464 CAT C FROM 1940/543 TO 2080/684 AND CAT D FROM 2080/683 TO 2140/744 D UPDATED CAT C VISIBILITY FROM 1 1/2 TO 2 AND CAT D FROM 2 1/4 TO 2 1/2- UPDATED CONTROLLING OBSTACLES AND VIS CHECK.
12. ADDED CHART NOTE: CIRCLING NA TO RWYS 18 AND 36- TURF RUNWAY NA.
13. ADDED CHART NOTE: VDP NA WITH PARK RAPIDS ALTIMETER SETTING- 8260.19H 8-6-9 E (9).
14. ADDED ADDITIONAL FLIGHT DATA NOTES "CHART VDP AT 1.89 DME AND DISTANCE VDP TO THLD 1.11 NM- 8260.19H 8-6-10N.
15. ADDED ADDITIONAL FLIGHT DATA NOTE FAC CROSSES RWY C/L EXTENDED 3000 FT FROM THLD- 8062.19H 8-6-10(2).
16. ADDED CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE PARK RAPIDS ALTIMETER SETTING AND INCREASE ALL MDA 100 FEET AND VISIBILITY CAT A 1/4 SM, CATS C AND D 1/2 SM AND CIRCLING CATS A AND C 1/4 SM, CAT D 1/2 SM. DUWIZ FIX MINIMUMS: INCREASE VISIBILITY CATS C AND D 1/4 SM. - BACK UP WEATHER MINIMUMS.
17. UPDATED MIN ALT IN PROFILE VIEW FROM DUWIZ/DTL 2.80 DME 2120* TO DUWIZ/DTL 3.28 DME 2220* AND *2300 WHEN USING PARK RAPIDS ALTIMETER SETTING- NEW DUWIZ LOCATION.
18. UPDATED FAS OBS FROM 1572 WATER TOWER 464904N/0955039W TO CHART FAS OBST: 1510 WATER_TOWER 464857N/0955107W- 8260.19H 8-6-10 C.
19. UPDATED AIRPORT ELEVATION FROM 1397 TO 1396 AND TDZE FROM 1362 TO 1372- NEW SURVEY.
20. ADDED CHART NOTE: FOR INOPERATIVE ALS, INCREASE S-32 CATS C AND D VISIBILITY TO 2 1/2 SM- 8260.19I 8-6-11 O(E)
21. ADDED CHART NOTE: INOPERATIVE TABLE DOES NOT APPLY TO S-32 CATS C AND D WHEN USING PARK RAPIDS ALTIMETER SETTING- 8260.19I 8-6-11.



COORDINATED WITH:

A4A

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ALPA

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AOPA

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APA

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HAI

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NBAA

☒

OTHER:

ZMP, AMGR

FLIGHT CHECKED BY

PENDING

Digitally signed by

JON DENTON

Dec 18, 2020

OFFICE

DATE

DEVELOPED BY

WARDELL HENNING (CASEY HILL)

Digitally signed by

JON DENTON

Dec 18, 2020

OFFICE

AJV-A432

DATE

10/12/2020

APPROVED BY

LONNIE EVERHART

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JON DENTON

Dec 18, 2020

OFFICE

AJV-A430

DATE

TITLE

MANAGER

