

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 14	<u>ORIGINAL/AMENDMENT</u> 2	<u>CITY</u> DETROIT LAKES	<u>STATE</u> MN		
<u>AIRPORT ELEVATION</u> 1396	<u>TDZE</u> 1393	<u>SUPERSEDED</u> VOR RWY 13	<u>ORIGINAL/AMENDMENT</u> 1A	<u>DATED</u> 08/21/2014	<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 2600 THEN CLIMBING RIGHT TURN TO 3200 DIRECT DTL VOR/DME AND HOLD, CONTINUE CLIMB-IN-HOLD 3200.

ALTERNATE MISSED APPROACH INSTRUCTIONS:

PROFILE:

1. PT L SIDE OF COURSE 324.33 OUTBOUND 3200 FT WITHIN 10 MILES OF DTL VOR/DME (IAF)

2.

3. FAC: 144.33 FAF: DIST FAF TO MAP: DIST FAF TO THLD:

4. MIN ALT: DUVJU/DTL 1.86 DME 2000*

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 CATS C AND D 1/4 SM. DUVJU FIX
MINIMUMS: INCREASE VISIBILITY CATS C AND D 3/8 SM.
*2100 WHEN USING PARK RAPIDS ALTIMETER SETTING.

ADDITIONAL FLIGHT DATA:
HOLD NW, RT, 144.33 INBOUND.
CHART FAS OBST: 1509 TREE 465119N/0955437W.
CHART 1565 TOWER 465048N/0955623W.
CHART VDP AT 1.10 DME
DISTANCE VDP TO THLD 1.02 NM.
FAC CROSSES RWY C/L EXTENDED 4004 FT FROM THLD.
CHART CIRCLING ICON.
DUVJU TO RW14: 3.00/42.7.

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-14	2000	1	607	2000	1	607	2000	1 3/4	607	2000	1 3/4	607			
CIRCLING	2000	1	604	2000	1	604	2080	2	684	2140	2 1/2	744			
DUVJU FIX MINIMUMS															
S-14	1760	1	367	1760	1	367	1760	1	367	1760	1	367			
CIRCLING	1820	1	424	1860	1	464	2080	2	684	2140	2 1/2	744			

CHANGES - REASONS

1. PROCEDURE TURN OUTBOUND COURSE FROM 321.33 TO 324.33- MAGVAR UPDATE AND NEW PFAF LOCATION.
2. PT ALTITUDE UPDATED FROM 3100 TO 3200- NEW CONTROLLING OBSTACLE.
3. UPDATED MAGVAR FROM 5E/1995 TO 2E/2025- MAGVAR
4. UPDATED RUNWAY NUMBER FROM 13 TO 14 - MAGVAR RUNWAY RENUMBERING.
5. UPDATED FEEDER COURSE FROM ROLAG FROM 079.89 TO 082.90- MAGVAR
6. UPDATED FEEDER COURSE FROM STARR FROM 353.38 TO 356.38- MAGVAR
7. UPDATED DME DISTANCE FROM DTL VOR TO DUVJU FROM 2.06 NM TO 1.86 NM - NEW STEPDOWN FIX LOCATION.
8. UPDATED FINAL COURSE FROM 141.33 TO 144.33- MAGVAR AND UPDATED STEPDOWN LOCATION.
9. UPDATED MISSED APPROACH FROM CLIMB TO 2400 THEN CLIMBING RIGHT TURN TO 3100 DIRECT DTL VOR/DME AND HOLD TO CLIMB TO 2600 THEN CLIMBING RIGHT TURN TO 3200 DIRECT DTL VOR/DME AND HOLD, CONTINUE CLIMB-IN-HOLD 3200- NEW EVALUATION REQUIRES HIGHER CLIMB TO ALTITUDE AND CLIMB-IN-HOLD AND INCREASED HOLDING ALTITUDE FOR CONTINUITY.
10. REMOVED CHART NOTE VISIBILITY REDUCTION BY HELICOPTERS NA - PENETRATIONS REMOVED.
11. REMOVED CHART NOTE: PROCEDURE NA AT NIGHT- PENETRATIONS REMOVED.
12. ADDED ADDITIONAL FLIGHT DATA NOTES CHART VDP AT 1.10 DME AND DISTANCE FROM VDP TO THLD 1.02 NM -8260.19H 8-6-10 N.
13. ADDED CHART NOTE: VDP NA WHEN USING PARK RAPIDS ALTIMETER SETTING AND *2100 WHEN USING PARK RAPIDS ALTIMETER SETTING - 8260.19H 8-6-9 E (9).
14. UPDATED VOR HAT MINIMUMS FROM 623 TO 607 - NEW CONTROLLER.
15. UPDATED CIRCLING MINIMUM HAA FROM CATS A/B 623 TO 604, CAT C FROM 623 TO 684 CAT D FROM 683 TO 744 - NEW CONTROLLING OBSTACLES AND NEW CIRCLING CRITERIA.
16. UPDATED STEP DOWN MINIMUM HAT FROM 423 TO 367 - NEW CONTROLLER AND STEPDOWN LOCATION.
17. UPDATED STEP DOWN CIRCLING MINIMUM HAA FROM CATS A 483, CAT B 543, CAT C 543, CAT D 683 TO CAT A 424, CAT B 464, CAT C 684, CAT D 744- NEW CONTROLLERS AND STEPDOWN LOCATION AND NEW CIRCLING CRITERIA APPLIED.
18. UPDATED CIRCLING VISIBILITY CAT C FROM 1 3/4 TO 2 AND CAT D FROM 2 1/4 TO 2 1/2- 8260.19I 8-6-11.
19. UPDATED CIRCLING CAT C STEPDOWN VISIBILITY FROM 1 1/2 TO 2 AND CAT D FROM 2 1/4 TO 2 1/2- 8260.19I 8-6-11.
20. UPDATED BACK UP WEATHER MINIMUMS NOTE FROM "CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE PARK RAPIDS ALTIMETER SETTING AND INCREASE ALL MDAS 100 FEET, INCREASE S-13 AND CIRCLING CATS C/D VISIBILITY 1 1/4 MILE. INCREASE DUVJU FIX MINIMUMS S-13 AND CIRCLING CATS C/D VISIBILITY 1/4 MILE" TO "CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE PARK RAPIDS ALTIMETER SETTING AND INCREASE ALL MDA 100 FEET AND VISIBILITY CATS C AND D 1/4 SM. DUVJU FIX MINIMUMS: INCREASE VISIBILITY CATS C AND D 3/8 SM- UPDATED RUNWAY NUMBERING AND 8260.19H 8-6-11 N.
21. UPDATED CHART NOTE CIRCLING TO RWY 18 AND 36 NA - UPDATED RUNWAY NUMBERING 8-6-11 O (2) G.
22. UPDATED VGSI INFO FROM 45 TO 42.7- FPT REQUEST FOR NEW DESIGN TO MATCH VGSI.
23. ADDED CHART FAS OBS: 1509 TREE 465119N/0955437W- 8260.19H 8-6-10 C.
24. UPDATED AIRPORT ELEVATION FROM 1397 TO 1396 AND TDZE FROM 1397 TO 1393- NEW SURVEY.

COORDINATED WITH:

A4A ☒ **ALPA** ☒ **AOPA** ☒ **APA** ☐ **HAI** ☐ **NBAA** ☒ **OTHER:** ZMP, AMGR

FLIGHT CHECKED BY

PENDING

Digitally signed by

JON DENTON

OFFICE

DATE

Dec 18, 2020

DEVELOPED BY

WARDELL HENNING (CASEY HILL)

Digitally signed by

JON DENTON

OFFICE

AJV-A432

DATE

09/30/2020

APPROVED BY

LONNIE EVERHART

Digitally signed by

JON DENTON

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AJV-A430

DATE

TITLE

MANAGER

Dec 18, 2020