

**FEDERAL AVIATION ADMINISTRATION
FLIGHT STANDARDS SERVICE
RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE
TITLE 14 CFR PART 97.33**

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> 3D2	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 14	<u>ORIGINAL/AMENDMENT</u> 1	<u>CITY</u> EPHRAIM	<u>STATE</u> WI		
<u>AIRPORT ELEVATION</u> 763	<u>TDZE</u> 763	<u>SUPERSEDED</u> RNAV (GPS) RWY 14	<u>ORIGINAL/AMENDMENT</u> ORIG-B	<u>DATED</u> 01/30/2020	<u>MAG VAR</u> 4W	<u>EPOCH YEAR</u> 2000
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 8 SEPTEMBER 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>
MNM DME	IAF	OPHUN		TF	FB	1.00	070.71	13.10	2300
LOGIF	IAF	OPHUN		TF	FB	1.00	136.37	6.80	2300
OPHUN	IF	JULRI		TF	FB	1.00	140.11	6.62	2300
JULRI	FAF	RW14	MAP	TF	FO	0.30	140.20	4.03	
RW14	MAP	1163 MSL		CA			140.20		
1163 MSL		MNM DME		DF	FO	1.00			3000

MISSED APPROACH

MAP:

LNAV: RW14

MISSED APPROACH INSTRUCTIONS:

CLIMBING RIGHT TURN TO 3000 DIRECT MNM DME AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:



PROFILE:

1. PT SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)

2. PROFILE STARTS AT OPHUN

3. FAF: 140.20 FAF: JULRI DIST FAF TO MAP: 4.03 DIST FAF TO THLD: 4.03

4. MIN ALT: OPHUN 2300, JULRI 2300

5. DIST TO THLD FROM FAF: 4.03 MM: IM: 150 HAT: GS ANT: MM: IM:

6. MIN GP INCPT: GP ALT AT FAF : OM: MM: IM:

7. GP ANGLE: 34:1: IS NOT CLEAR 20:1: IS CLEAR TCH:

8. MSA FROM: RW14 2400

PBN REQUIREMENTS NOTE:

RNP APCH - GPS.

NOTES:

CHART NOTE: RWY 14 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED.

ADDITIONAL FLIGHT DATA:

HOLD N, RT, 174.00 INBOUND.
FAS OBST: 940 AAO 450908N/0871340W.
CHART VDP AT 1.11 NM TO RW14.
CHART PROFILE NOTE: VISUAL SEGMENT - OBSTACLES.

MINIMUMS:

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

ALTERNATE: NA ☐ STANDARD - NA WHEN LOCAL WEATHER NOT AVAILABLE.

<u>CATEGORY:</u>	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
LNAV MDA	1200	1	437	1200	1	437	1200	1 1/4	437		NA				

QUALITY
22
CHECKED

CHANGES - REASONS

1. INCORPORATED P-NOTAM AMENDMENTS: AMDT ORIG-A/ NOTAM 8/7956 HELICOPTER VISIBILITY, AMDT ORIG-B/ NOTAM 9/7917 DELETE CIRCLING MINIMUMS.
2. AMENDED TDZE FROM "762" TO "763". - UPDATED AIRNAV DATA.
3. AMENDED TERMINAL ROUTES FROM "MNM VOR/DME" TO "MNM DME" - MNM VORMON.
4. OPHUN TO JULRI RNP VALUE CHANGED FROM "0.50" TO "1.00" - UPDATED TO CURRENT CRITERIA.
5. AMENDED MISSED APPROACH INSTRUCTIONS FROM "CLIMBING RIGHT TURN TO 3000 DIRECT MNM VOR/DME AND HOLD" TO "CLIMBING RIGHT TURN TO 3000 DIRECT MNM DME AND HOLD" - MNM VORMON.
6. AMENDED PBN REQUIREMENTS NOTE FROM "RNP APCH" TO "RNP APCH - GPS" - IAW 8260.19I, 8-6-8.B (2).
7. REMOVED NOTE "CHART NOTE: USE DOOR COUNTY CHERRYLAND ALTIMETER SETTING; WHEN NOT RECEIVED, USE MENOMINEE ALTIMETER SETTING AND INCREASE ALL MDA 20 FEET" - LOCAL WEATHER AVAILABLE WITH WMSCR.
8. ADDED "CHART VDP AT 1.11 NM TO RW14" - IAW 8260.19I, 8-6-10.M.
9. AMENDED ADDITIONAL FLIGHT DATA FROM "FAS OBST: 979 AAO 450924N/0871153W" TO "FAS OBST: 940 AAO 450908N/0871340W" - UPDATED OBSTACLE EVALUATION.
10. AMENDED LNAV CAT A MDA/HAT FROM "1300/538" TO "1200/437" - UPDATED OBSTACLE EVALUATION.
11. AMENDED LNAV CAT C VISIBILITY FROM "1 1/2" TO "1 1/4" - UPDATED VISCHECK.
12. AMENDED INTERMEDIATE SEGMENT COURSE FROM "140.12" TO "140.11"; FINAL AND CA SEGMENT COURSES FROM "140.19" TO "140.20" -- UPDATED TARGETS 6.4 CALCULATION.
13. AMENDED INTERMEDIATE SEGMENT DISTANCE FROM "6.01" TO "6.62"; FINAL SEGMENT DISTANCE FROM "4.64" TO "4.03" -- RELOCATED FIX JULRI IAW 8260.3E, 2-6-4.A.
14. ADDED "20:1 IS CLEAR" -- IAW 8260.19I, 8-6-7.G(3)(A).
15. CHANGED DISTANCE FAF TO MAP/THLD FROM "4.64" TO "4.03" -- FIX JULRI RELOCATED.
16. ADDED "DISTANCE TO THLD FROM FAF: 4.03" -- IAW 8260.19I, 8-6-7.E.

COORDINATED WITH:

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

FLIGHT CHECKED BY

SCOTT WIEBE

*Digitally signed by***JASON KRETSCHMER**

Jul 08, 2022

OFFICE

FPO

DATE

06/28/2022

DEVELOPED BY

JASON KRETSCHMER (CURTIS MALONE)

*Digitally signed by***JASON KRETSCHMER**

Jun 01, 2022

OFFICE

AJV-A421

DATE

04/05/2022

APPROVED BY

MARLON ROBINSON

*Digitally signed by***JASON KRETSCHMER**

Jun 01, 2022

OFFICE

AJV-A420

DATE**TITLE**
MANAGER