

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> PLN	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 32	<u>ORIGINAL/AMENDMENT</u> 1	<u>CITY</u> PELLSTON	<u>STATE</u> MI
<u>AIRPORT ELEVATION</u> 721	<u>TDZE</u> 712	<u>SUPERSEDED</u> RNAV (GPS) RWY 32	<u>DATED</u> 09/09/2021	<u>MAG VAR</u> 6W
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ORIGINAL/AMENDMENT</u> ORIG-D	<u>REQUIRED EFFECTIVE DATE</u> 09/05/2024	<u>EPOCH YEAR</u> 1985
		<u>ACTUAL EFFECTIVE DATE</u> 5 SEPTEMBER 2024	<u>CANCEL/SUSPEND</u>	

TERMINAL ROUTES

FROM	FIX TYPE	TO	FIX TYPE	LEG TYPE	FO/FB	RNP	COURSE	DISTANCE	ALTITUDE
JUPUN	IAF	EDDIS		TF	FB	1.00	240.37	9.08	2600
RONDO	IAF	EDDIS		TF	FB	1.00	349.80	8.41	2600
EDDIS	IF	BURET		TF	FB	1.00	320.86	7.32	2500
BURET	FAF	EMHUR/2.70 NM TO RW32		TF	FB	0.30	320.76	2.76	
EMHUR/2.70 NM TO RW32		RW32	MAP	TF	FO	0.30	320.76	2.70	
RW32	MAP	912 MSL		CA			320.76		
912 MSL		VESUY		DF	FB	1.00			
VESUY		TOYUY		TF	FB	1.00	050.66	5.95	
TOYUY		PLN VORTAC		TF	FO	1.00	135.14	6.41	2600

MISSED APPROACH

MAP:

LPV: DA  
LNAV/VNAV: DA  
LNAV: RW32

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 2600 DIRECT VESUY AND ON TRACK 050.66 TO TOYUY AND ON TRACK 135.14 TO PLN VORTAC AND HOLD. (DO NOT EXCEED 200 KIAS UNTIL TOYUY).

ALTERNATE MISSED APPROACH INSTRUCTIONS:

PROFILE:

1. PT	SIDE OF COURSE	OUTBOUND	FT WITHIN	MILES OF	(IAF)
2. PROFILE STARTS AT EDDIS					
3. FAC: 320.76	FAF: BURET		DIST FAF TO MAP: 5.46	DIST FAF TO THLD: 5.46	
4. MIN ALT: EDDIS 2600, BURET 2500, EMHUR/2.70 NM TO RW32 1620					
5. DIST TO THLD FROM OM: MM: IM:	150 HAT:	200 HAT: 0.47	GS ANT: MM:	IM:	
6. MIN GP INCPT: 2500	GP ALT AT PFAF: BURET 2500		OM:		
7. GP ANGLE: 3.00	34:1: IS CLEAR	20:1: IS CLEAR	TCH: 53.8		
8. MSA FROM: RW32 3200					



**PBN REQUIREMENTS NOTE:**

RNP APCH - GPS.

**NOTES:**

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT RONDO ON V609 SOUTHBOUND.

CHART NOTE: CIRCLING RWY 5, 14 NA AT NIGHT.

CHART NOTE: BARO-VNAV AND VDP NA WHEN USING MGN ALTIMETER SETTING.

CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -20°C OR ABOVE 54°C.

CHART NOTE: FOR INOPERATIVE ALS, INCREASE LNAV/VNAV ALL CATS AND LNAV CAT C/D VISIBILITY TO 1 SM.

CHART NOTE: FOR INOPERATIVE ALS WHEN USING MGN ALTIMETER SETTING, INCREASE LNAV/VNAV ALL CATS VISIBILITY TO 1 SM AND LNAV CAT C/D VISIBILITY TO 1 1/8 SM. CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE MGN ALTIMETER SETTING AND INCREASE LPV DA TO 942 FEET; INCREASE LNAV/VNAV DA TO 1086 FEET; INCREASE ALL MDAS 40 FEET AND LNAV VISIBILITY CAT C/D 1/8 SM.

**ADDITIONAL FLIGHT DATA:**

HOLD NE, RT, 246.00 INBOUND.

CHART FAS OBST: 816 TREE (26-066828) 453254N/0844712W.

CHART VDP AT 1.00 NM TO RW32.

WAAS CHANNEL # 77813

REFERENCE PATH ID: W32A

LTP HAE: 180.4 M

**MINIMUMS:****TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT****ALTERNATE:** NA ☐ STANDARD - CAT C 900-2 1/2, CAT D 1000-3, NA WHEN LOCAL WEATHER NOT AVAILABLE.

<b><u>CATEGORY:</u></b>	<b><u>A</u></b>			<b><u>B</u></b>			<b><u>C</u></b>			<b><u>D</u></b>			<b><u>E</u></b>		
<b><u>FINAL TYPE</u></b>	<b><u>DA/MDA</u></b>	<b><u>VIS</u></b>	<b><u>HAT/HAA</u></b>	<b><u>DA/MDA</u></b>	<b><u>VIS</u></b>	<b><u>HAT/HAA</u></b>	<b><u>DA/MDA</u></b>	<b><u>VIS</u></b>	<b><u>HAT/HAA</u></b>	<b><u>DA/MDA</u></b>	<b><u>VIS</u></b>	<b><u>HAT/HAA</u></b>	<b><u>DA/MDA</u></b>	<b><u>VIS</u></b>	<b><u>HAT/HAA</u></b>
LPV DA	912	1/2	200	912	1/2	200	912	1/2	200	912	1/2	200			
LNAV/VNAV DA	1056	5/8	344	1056	5/8	344	1056	5/8	344	1056	5/8	344			
LNAV MDA	1080	1/2	368	1080	1/2	368	1080	5/8	368	1080	5/8	368			
CIRCLING	1280	1	559	1320	1	599	1560	2 1/2	839	1660	3	939			



CHANGES - REASONS

1. CHANGED FINAL LENGTH FROM 5.38 TO 5.46 - FAF (BURET) MOVED 486 FT SE.
2. SDF (EMHUR) MOVED 1.26 NM SE - FOR STABILIZED DESCENT (3.00)/FPT CHECKLIST.
3. FAF (BURET) MOVED 486 FEET SE - CURRENT CRITERIA EVALUATION/FPT CHECKLIST.
4. CHANGED INTERMEDIATE LENGTH FROM 7.40 TO 7.32 - FAF (BURET) MOVED 486 FT SE.
5. CHANGED STEPDOWN FIX DEFINITION FROM EMHUR/1.44 TO RW32 TO EMHUR/2.70 NM TO RW32 - FIX MOVED 1.26 NM SE TO MATCH ILS OR LOC RWY 32.
6. RAISED MIN ALTITUDE AT EDDIS FROM 2500 TO 2600 - TO MATCH ILS OR LOC RWY 32.
7. CHANGED MISSED APPROACH INSTRUCTIONS FROM: "CLIMB TO 2600 DIRECT VESUY AND VIA TRACK 050.63 TO TOYUY AND VIA TRACK 135.15 TO PLN VORTAC AND HOLD" TO: "CLIMB TO 2600 DIRECT VESUY AND ON TRACK 050.66 TO TOYUY AND ON TRACK 135.14 TO PLN VORTAC AND HOLD, CONTINUE CLIMB-IN-HOLD TO 2600. (DO NOT EXCEED 200 KIAS UNTIL TOYUY) - VESUY/TOYUY MOVED 0.5 NM NW/PLANVIEW NOTE: DO NOT EXCEED 200 KIAS ADDED TO MISSED APPROACH INSTRUCTIONS.
8. DELETED CHART NOTE: INOPERATIVE TABLE DOES NOT APPLY TO LNAV CAT D - UPDATED LIGHT/NO LIGHT VISIBILITY DATA.
9. CHANGED CHART NOTE FROM: "BARO-VNAV NA WHEN USING HARBOR SPRINGS ALTIMETER SETTING" TO: "BARO-VNAV AND VDP NA WHEN USING HARBOR SPRINGS ALTIMETER SETTING" - UPDATED CRITERIA DOCUMENTATION FORMAT.
10. CHANGED CHART NOTE FROM: "FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -16C (4F) OR ABOVE 47C (116F) TO: "FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -20°C OR ABOVE 54°C" - (F) VALUES NO LONGER REQUIRED/AVERAGE COLD TEMPERATURE DERIVED FROM 5-YEAR HISTORY (2019 - 2023).
11. DELETED CHART NOTE: DME/DME RNP-0.3 NA - NO LONGER REQUIRED FOR DOCUMENTATION.
12. ADDED PBN REQUIREMENTS NOTES: RNP APCH - GPS - REQUIRED FOR DOCUMENTATION.
13. ADDED 20:1 IS CLEAR TO PROFILE LINE 7 - NO 20:1 SURFACE PENETRATIONS.
14. CHANGED ALTERNATE MINIMUMS FROM: "@CAT D 800-2 1/4 NA @WHEN LOCAL WEATHER NOT AVAILABLE" TO: "STANDARD - CAT C 900-2 1/2, CAT D 1000-3, NA WHEN LOCAL WEATHER NOT AVAILABLE" - BASED ON CURRENT MINIMUMS.
15. CHANGED FINAL COURSE FROM 320.77 TO 320.76 - FINAL COURSE OPTIMUM ALIGNMENT.
16. CHANGED IN ADDITIONAL FLIGHT DATA FAS OBSTACLE FROM: CHART FAS OBST: 787 TREE 453318N/0844633W TO: CHART FAS OBST: 816 TREE (26-066828) 453254N/0844712W - NEW OBSTACLE EVALUATION.
17. DELETED \*LNAV ONLY - NO LONGER REQUIRED/CRITERIA DOCUMENTATION.
18. DELETED CHART PLANVIEW NOTE: DO NOT EXCEED 200 KIAS - MOVED TO MISSED APPROACH INSTRUCTIONS.
19. CHANGED CHART NOTE FROM: "FOR INOPERATIVE MALSR WHEN USING HARBOR SPRINGS ALTIMETER SETTING, INCREASE LNAV CAT D VISIBILITY TO 1 1/4 MILE" TO: "FOR INOPERATIVE ALS WHEN USING MGN ALTIMETER SETTING, INCREASE LNAV/VNAV ALL CATS VISIBILITY TO 1 SM AND LNAV CAT C/D VISIBILITY TO 1 1/8 SM" - 8260.3E, TABLE 3-3-3, 3-3-4, 3-3-5.
20. CHANGED CHART NOTE FROM: "WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE HARBOR SPRINGS ALTIMETER SETTING AND INCREASE ALL DA 28 FEET AND ALL MDA 40 FEET" TO: "CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE MGN ALTIMETER SETTING AND INCREASE LPV DA TO 942 FEET; INCREASE LNAV/VNAV DA TO 1086 FEET; INCREASE ALL MDAS 40 FEET AND LNAV VISIBILITY CAT C/D 1/8 SM" - CHANGES BASED ON CURRENT PROCEDURE EVALUATION/MINIMUMS.
21. CHANGED CRC REMAINDER FROM: " 87944F24" TO: "DDE45294" - LTP/FPAP UPDATES.
22. CHANGED LTP LAT/LONG FROM: "453347.5640N/0844719.7465W" TO: "453347.5635N/0844719.7430W - UPDATED AIRNAV DATA.
23. CHANGED FPAP LAT/LONG FROM: "453433.1900N/0844825.4100W" TO: "453450.2020N/0844849.9280W - UPDATED AIRNAV DATA/NEW PROCEDURE EVALUATION.
24. CHANGED PROFILE LINE 4 FROM: "EDDIS 2500, BURET 2500, EMHUR/1.44 NM TO RW321220\*" TO: "EDDIS 2600, BURET 2500, EMHUR/2.70 NM TO RW32 1620" - NEW OBSTACLE EVALUATION/EMHUR MOVED 1.26 NM.
25. RAISED STEPDOWN MIN ALTITUDE FROM 1220 TO 1620 - NEW OBSTACLE EVALUATION/MATCH ILS OR LOC RWY 32.
26. ADDED IN ADDITIONAL FLIGHT DATA "CHART VDP AT 1.00 NM TO RW32" - NO 20:1 SURFACE PENETRATIONS.
27. INCORPORATED CHANGES FROM PREVIOUS P-NOTAMS INTO THIS FORM - CURRENT CRITERIA/UPDATE CURRENT PROCEDURE.

07/12/2024: THIS IS AN UPDATED COPY OF THE FORM DEVELOPED ON 02/15/2024.  
REQUIRED EFFECTIVE DATE: CHANGED FROM ROUTINE TO 09/05/2024

COORDINATED WITH:

A4A

☒

ALPA

☒

AOPA

☒

APA

☐

HAI

☐

NBAA

☒

OTHER: ZMP,AMGR

FLIGHT CHECKED BY

PENDING

Digitally signed by

JOSEPH L ZEDER

Jul 12, 2024

OFFICE

DATE

DEVELOPED BY

CASIMIR L. TABAKA (THERON CYRUS)

Digitally signed by

CASIMIR L TABAKA

Jun 12, 2024

OFFICE

AJV-A432

DATE

02/15/2024

APPROVED BY

CASIMIR L. TABAKA

Digitally signed by

CASIMIR L TABAKA

Jun 12, 2024

OFFICE

AJV-A432

DATE

TITLE

MANAGER

QUALITY

20

CHECKED

AIRPORT ID  
PLN

PROCEDURE NAME  
RNAV (GPS) RWY 32

ORIGINAL/AMENDMENT  
1

CITY  
PELLSTON

STATE  
MI

**FAS DATA BLOCK INFORMATION**

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KPLN
RUNWAY	RW32
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W32A
LTP/FTP LATITUDE	453347.5635N
LTP/FTP LONGITUDE	0844719.7430W
LTP/FTP ELLIPSOIDAL HEIGHT	+01804
FPAP LATITUDE	453450.2020N
FPAP LONGITUDE	0844849.9280W
THRESHOLD CROSSING HEIGHT (TCH)	00053.8
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0768
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	35.0

CRC REMAINDER	DDE45294
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**ADDITIONAL PATH POINT RECORD INFORMATION**

ICAO CODE	K5
LTP ORTHOMETRIC HEIGHT	+02156
FPAP ORTHOMETRIC HEIGHT	+02156

QUALITY  
20  
CHECKED