

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> S24	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 24	<u>ORIGINAL/AMENDMENT</u> 1B	<u>CITY</u> FREMONT	<u>STATE</u> OH
<u>AIRPORT ELEVATION</u> 665	<u>TDZE</u> 665	<u>SUPERSEDED</u> RNAV (GPS) RWY 24	<u>ORIGINAL/AMENDMENT</u> 1A	<u>DATED</u> 05/24/2018
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 12 JUNE 2025	<u>REQUIRED EFFECTIVE DATE</u> ROUTINE	<u>MAG VAR</u> 7W
				<u>EPOCH YEAR</u> 2000
				<u>CANCEL/SUSPEND</u>

TERMINAL ROUTES

FROM	FIX TYPE	TO	FIX TYPE	LEG TYPE	FO/FB	RNP	COURSE	DISTANCE	ALTITUDE
HUDDZ	IAF	OBOZE	NOPT	TF	FB	1.00	293.53	15.41	3000
OBOZE	IF/IAF	EXKUP		TF	FB	1.00	246.77	5.00	2300
EXKUP	FAF	AKEYE/1.80 NM TO RW24		TF	FB	0.30	246.71	3.23	
AKEYE/1.80 NM TO RW24		RW24	MAP	TF	FO	0.30	246.71	1.80	
RW24	MAP	885 MSL		CA			246.71		
885 MSL		ZUFIL		DF	FO	1.00			3000

MISSED APPROACH

MAP:

LPV: DA  
LNAV/VNAV: DA  
LNAV: RW24

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 3000 DIRECT ZUFIL AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:

PROFILE:

1. PT SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)
2. HOLD NE OBOZE, LT, 246.77 INBOUND, 3000 FT. IN LIEU OF PT (IAF), MAX 6000.
3. FAC: 246.71 FAF: EXKUP DIST FAF TO MAP: 5.03 DIST FAF TO THLD: 5.03
4. MIN ALT: OBOZE 3000, EXKUP 2300, AKEYE/1.80 NM TO RW24 1260
5. DIST TO THLD FROM OM: MM: IM: 150 HAT: 220 HAT: 0.56 GS ANT: MM: IM:
6. MIN GP INCPT: 2300 GP ALT AT PFAF: EXKUP 2300
7. GP ANGLE: 3.00 34:1: IS CLEAR 20:1: IS CLEAR TCH: 42.4
8. MSA FROM: RW24 3100



**PBN REQUIREMENTS NOTE:**

RNP APCH - GPS.

**NOTES:**

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

CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, PROCEDURE NA BELOW -16°C OR ABOVE 54°C.

CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE TOL ALTIMETER SETTING: INCREASE LPV DA TO 978 FEET AND ALL VISIBILITIES 3/8 SM; INCREASE LNAV/VNAV DA TO 1196 FEET AND ALL VISIBILITIES 3/8 SM; INCREASE ALL MDA 100 FEET AND LNAV VISIBILITY CAT C AND D 1/4 SM AND CIRCLING VISIBILITY CAT C AND D 1/2 SM.

**ADDITIONAL FLIGHT DATA:**

CHART CIRCLING ICON.

HOLD SW, RT, 066.52 INBOUND.

CHART FAS OBST: 789 TREE 411801N/0830012W.

CHART VDP AT 1.07 NM TO RW24.

WAAS CHANNEL # 42822

REFERENCE PATH ID: W24A

LTP HAE: 164.7 M

**MINIMUMS:****TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT****ALTERNATE:** NA ☐ STANDARD - CAT D 800-2 1/4, NA WHEN LOCAL WEATHER NOT AVAILABLE.

<b>CATEGORY:</b>	<b>A</b>			<b>B</b>			<b>C</b>			<b>D</b>			<b>E</b>		
<b>FINAL TYPE</b>	<b>DA/MDA</b>	<b>VIS</b>	<b>HAT/HAA</b>	<b>DA/MDA</b>	<b>VIS</b>	<b>HAT/HAA</b>	<b>DA/MDA</b>	<b>VIS</b>	<b>HAT/HAA</b>	<b>DA/MDA</b>	<b>VIS</b>	<b>HAT/HAA</b>	<b>DA/MDA</b>	<b>VIS</b>	<b>HAT/HAA</b>
LPV DA	885	3/4	220	885	3/4	220	885	3/4	220	885	3/4	220			
LNAV/VNAV DA	1103	1 1/2	438	1103	1 1/2	438	1103	1 1/2	438	1103	1 1/2	438			
LNAV MDA	1040	1	375	1040	1	375	1040	1 1/8	375	1040	1 1/8	375			
CIRCLING	1120	1	455	1160	1	495	1380	2	715	1380	2 1/4	715			

**CHANGES - REASONS**

1. PROFILE LINE 2: ADDED "MAX 6000" – IAW 8260.19J 8-6-7 B.

2. PROFILE LINE 4: CHANGED FROM "OBOZE 3000, EXKUP 2300, AKEYE/1.80 NM TO RW24 1260\*" TO "OBOZE 3000, EXKUP 2300, AKEYE/1.80 NM TO RW24 1260" – ASTERIK NO LONGER REQUIRED BY CURRENT CRITERIA.

3. PBN REQUIREMENTS NOTE: UPDATED "RNP APCH" TO "RNP APCH-GPS" – 8260.19J 8-6-8 D.(2)(5)(A)1.

4. NOTES: CHANGED FROM "FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -16°C (4°F) OR ABOVE 54°C (130°F)" TO FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -16°C OR ABOVE 54°C" – FAHRENHEIT NO LONGER REQUIRED.

5. CHART NOTE: CHANGED FROM "BARO-VNAV AND VDP NA WHEN USING TOLEDO EXPRESS ALTIMETER SETTING" TO "BARO-VNAV AND VDP NA WHEN USING TOL ALTIMETER SETTING" – IAW 8260.19J 8-6-10E.(2)(A).

6. CHART NOTE: UPDATED FROM "WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE TOLEDO EXPRESS ALTIMETER SETTING: INCREASE LPV DA TO 978 FEET AND ALL VISIBILITIES 3/8 SM; INCREASE LNAV/VNAV DA TO 1196 FEET AND ALL VISIBILITIES 3/8 SM; INCREASE ALL MDA 100 FEET AND LNAV VISIBILITY CAT C AND D 1/4 SM AND CIRCLING VISIBILITY CAT C AND D 1/2 SM" TO "WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE TOL ALTIMETER SETTING: INCREASE LPV DA TO 978 FEET AND ALL VISIBILITIES 3/8 SM; INCREASE LNAV/VNAV DA TO 1196 FEET AND ALL VISIBILITIES 3/8 SM; INCREASE ALL MDA 100 FEET AND LNAV VISIBILITY CAT C AND D 1/4 SM AND CIRCLING VISIBILITY CAT C AND D 1/2 SM" – IAW 8260.19J 8-6-10E.(2)(A).

7. ADDITIONAL FLIGHT DATA: REMOVED "\*" FROM "CHART VDP AT 1.07 NM TO RW24\*" – ASTERISK NO LONGER REQUIRED BY CURRENT CRITERIA.

8. ADDITIONAL FLIGHT DATA: DELETED "LNAV ONLY" - NO LONGER REQUIRED BY CURRENT CRITERIA.

9. MINIMUMS: CHANGED FROM "ALTERNATE: NA" TO "STANDARD – CAT D 800-2 1/4, NA WHEN LOCAL WEATHER NOT AVAILABLE" – WEATHER ADDED TO WMSCR.



COORDINATED WITH:

A4A

ALPA

X

AOPA

X

APA

HAI

NBAA

X

OTHER:

ZOB, TOL ATCT, MFD ATCT, AMGR

FLIGHT CHECKED BY

PROCESSED IAW TECHNICAL SUPPORT GROUP (AJF-17) MEMO DATED 07/07/2021 GUIDANCE  
FOR PROCEDURAL CHANGES REQUIRING FLIGHT INSPECTION/VALIDATION

Digitally signed by  
ROBERT G HAMILTON

OFFICE

DATE

DEVELOPED BY

ROBERT G HAMILTON (DANIEL R. JOHNSON)

Digitally signed by  
ROBERT G HAMILTON

Mar 12, 2025

OFFICE

DATE

AJV-A433

06/12/2025

APPROVED BY

ROBERT G HAMILTON

Digitally signed by  
ROBERT G HAMILTON

Mar 12, 2025

OFFICE

DATE

TITLE  
MANAGER

AJV-A433

FAS DATA BLOCK INFORMATION

DATA FIELD	DATA
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	S24
RUNWAY	RW24
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W24A
LTP/FTP LATITUDE	411758.3875N
LTP/FTP LONGITUDE	0830142.8815W
LTP/FTP ELLIPSOIDAL HEIGHT	+01647
FPAP LATITUDE	411713.3300N
FPAP LONGITUDE	0830324.8700W
THRESHOLD CROSSING HEIGHT (TCH)	00042.4
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1072
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	35.0
CRC REMAINDER	188B8A28

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K5
LTP ORTHOMETRIC HEIGHT	+01999
FPAP ORTHOMETRIC HEIGHT	+01999

