

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> CGF	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 24	<u>ORIGINAL/AMENDMENT</u> 2A	<u>CITY</u> CLEVELAND	<u>STATE</u> OH
<u>AIRPORT ELEVATION</u> 876	<u>TDZE</u> 873	<u>SUPERSEDED</u> RNAV (GPS) RWY 24	<u>DATED</u> 11/08/2018	<u>MAG VAR</u> 8W
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 19 MARCH 2026	<u>REQUIRED EFFECTIVE DATE</u> ROUTINE	<u>EPOCH YEAR</u> 1995
			<u>CANCEL/SUSPEND</u>	

TERMINAL ROUTES

FROM	FIX TYPE	TO	FIX TYPE	LEG TYPE	FO/FB	RNP	COURSE	DISTANCE	ALTITUDE
WEIDS	IAF	EBLIS		TF	FB	1.00	269.73	7.11	3000
EBLIS	IF	IMUSY		TF	FB	1.00	237.62	4.43	3000
IMUSY		KROOK		TF	FB	1.00	237.57	3.75	2300
KROOK	FAF	RW24	MAP	TF	FO	0.30	237.53	4.34	
RW24	MAP	2500 MSL		CA			237.53		2500
2500 MSL		ZUPKO		DF	FO	1.00			3000

MISSED APPROACH

MAP:

LPV: DA
LNAV/VNAV: DA
LNAV: RW24

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 2500 THEN CLIMBING LEFT TURN TO 3000 DIRECT ZUPKO AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:

PROFILE:

1. PT SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)
2. PROFILE STARTS AT EBLIS
3. FAC: 237.53 FAF: KROOK DIST FAF TO MAP: 4.34 DIST FAF TO THLD: 4.34
4. MIN ALT: EBLIS 3000, IMUSY 3000, KROOK 2300
5. DIST TO THLD FROM OM: MM: IM: 150 HAT: 200 HAT: 0.49 GS ANT: MM: IM:
6. MIN GP INCPT: 2300 GP ALT AT PFAF: KROOK 2300
7. GP ANGLE: 3.00 34:1: IS CLEAR 20:1: IS CLEAR TCH: 44.0
8. MSA FROM: RW24 3100



PBN REQUIREMENTS NOTE:

RNP APCH - GPS.

NOTES:

CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -16°C OR ABOVE 54°C.
CHART NOTE: BARO-VNAV AND VDP NA WHEN USING CLE ALTIMETER SETTING.
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE CLE ALTIMETER SETTING AND INCREASE LPV DA TO 1131 FEET; INCREASE LNAV/VNAV DA TO 1263 FEET AND ALL VISIBILITIES 1/8 SM. INCREASE ALL MDAS 60 FEET AND LNAV VISIBILITY CAT C/D 1/4 SM, AND CIRCLING VISIBILITY CAT C/D 1/4 SM.

CHART NOTE: FOR INOPERATIVE ALS INCREASE LNAV CAT C, D VISIBILITY TO 1 1/8 SM.

ADDITIONAL FLIGHT DATA:

HOLD N, RT, 195.61 INBOUND.
FAS OBST: 1019 TREE 413330N/0812839W.
CHART VDP AT 1.13 NM TO RW24.
WAAS CHANNEL # 42528
REFERENCE PATH ID: W24A
LTP HAE: 231.9 M

MINIMUMS:

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

ALTERNATE: NA ☐ STANDARD - CAT D 800-2 1/2, NA WHEN LOCAL WEATHER NOT AVAILABLE.

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
LPV DA	1073	1/2	200	1073	1/2	200	1073	1/2	200	1073	1/2	200			
LNAV/VNAV DA	1205	1/2	332	1205	1/2	332	1205	1/2	332	1205	1/2	332			
LNAV MDA	1280	1/2	407	1280	1/2	407	1280	3/4	407	1280	3/4	407			
CIRCLING	1420	1	544	1500	1	624	1560	2	684	1640	2 1/2	764			

CHANGES - REASONS

- PBN REQUIREMENT NOTES: UPDATED FROM "RNP APCH" TO "RNP APCH - GPS" – IAW 8260.19K 8-6-8.
- NOTES: UPDATED CHART NOTE FROM "FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -16C OR ABOVE 38C" TO "FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -16°C OR ABOVE 54°C" - IAW 8260.19K 8-6-10.
- NOTES: ADDED "CHART NOTE: BARO-VNAV AND VDP NA WHEN USING CLE ALTIMETER SETTING" – IAW 8260.19K 8-6-10.
- NOTES: ADDED "WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE CLE ALTIMETER SETTING AND INCREASE LPV DA TO 1131 FEET; INCREASE LNAV/VNAV DA TO 1263 FEET AND ALL VISIBILITIES 1/8 SM. INCREASE ALL MDAS 60 FEET AND LNAV VISIBILITY CAT C/D 1/4 SM, AND CIRCLING VISIBILITY CAT C/D 1/4 SM." – UPDATED AND MOVED FROM PART C: GENERAL REMARKS.
- NOTES: UPDATED FROM "CHART NOTE: FOR INOPERATIVE ALS INCREASE LNAV/VNAV VISIBILITY ALL CATS TO 7/8 SM, LNAV CAT C, D TO 1 1/8 SM" TO "CHART NOTE: FOR INOPERATIVE ALS INCREASE LNAV CAT C, D VISIBILITY TO 1 1/8 SM" - UPDATED SURVEY, UPDATED MINS.
- ADDITIONAL FLIGHT DATA: REMOVED "CHART CIRCLING ICON" AND "*LNAV ONLY" – NO LONGER REQUIRED.
- ADDITIONAL FLIGHT DATA: UPDATED FAS OBST FROM "1029 AAO 413600N/0812448W" TO "1019 TREE 413330N/0812839W" – NEW SURVEY, NEW OBSTACLE IDENTIFIED.
- ADDITIONAL FLIGHT DATA: UPDATED NOTE FROM "CHART VDP AT 1.13 NM TO RW24*" TO "CHART VDP AT 1.13 NM TO RW24" – REMOVED ASTERISK – NO LONGER REQUIRED.
- MINIMUMS: ALTERNATE: UPDATED FROM "STANDARD - CAT D 800-2 1/2" TO "STANDARD - CAT D 800-2 1/2, NA WHEN LOCAL WEATHER NOT AVAILABLE" – IAW 8260.19K 8-6-12.
- MINIMUMS: UPDATED LNAV/VNAV MINIMUMS DA/HAT FROM "1178/305" TO "1205/332" – UPDATED SURVEY, NEW CONTROLLING OBSTACLE IDENTIFIED.
- MINIMUMS: UPDATED CIRCLING CAT A MDA/HAA FROM "1400/524" TO "1420/544," CAT D FROM "1620/744" TO "1640/764" - NEW CONTROLLING OBSTACLES IDENTIFIED.
- FAS DATA: UPDATED FPAP LATITUDE/LONGITUDE FROM "413308.9605N/0813021.7015W" TO "413308.9675N/0813021.7090W" AND CRC REMAINDER CHANGED FROM "F0304741" TO "E2E914DC."



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

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OTHER: ZOB, CLE APP CON, CGF ATCT, AMGR

FLIGHT CHECKED BY

BRIAN P CARSON

Digitally signed by

ROBERT G HAMILTON

Oct 14, 2025

OFFICE

AJF

DATE

10/05/2025

DEVELOPED BY

RAKE MCGRAW (JUDITH TUTTLE)

Digitally signed by

ROBERT G HAMILTON

Oct 14, 2025

OFFICE

AJV-A431

DATE

08/04/2025

APPROVED BY

RAKE MCGRAW

Digitally signed by

ROBERT G HAMILTON

Oct 14, 2025

OFFICE

AJV-A422

DATE

TITLE

MANAGER

FAS DATA BLOCK INFORMATION

DATA FIELD	DATA
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KCGF
RUNWAY	RW24
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W24A
LTP/FTP LATITUDE	413406.8900N
LTP/FTP LONGITUDE	0812851.4900W
LTP/FTP ELLIPSOIDAL HEIGHT	+02319
FPAP LATITUDE	413308.9675N
FPAP LONGITUDE	0813021.7090W
THRESHOLD CROSSING HEIGHT (TCH)	00044.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1224
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	35.0
CRC REMAINDER	E2E914DC

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K5
LTP ORTHOMETRIC HEIGHT	+02662
FPAP ORTHOMETRIC HEIGHT	+02662

