

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</u> CUYAHOGA COUNTY	<u>AIRPORT ID</u> KCGF	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 6	<u>ORIGINAL/AMENDMENT</u> 2	<u>CITY</u> CLEVELAND	<u>STATE</u> OH	
<u>AIRPORT ELEVATION</u> 876	<u>TDZE</u> 874	<u>SUPERSEDED</u> RNAV (GPS) RWY 6	<u>ORIGINAL/AMENDMENT</u> 1A	<u>DATED</u> 04/02/2015	<u>MAG VAR</u> 8W	<u>EPOCH YEAR</u> 1995
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 8 NOVEMBER 2018	<u>REQUIRED EFFECTIVE DATE</u> 11/8/2018	<u>CANCEL SUSPEND</u>		

TERMINAL ROUTES

FROM	FIX TYPE	TO	FIX TYPE	LEG TYPE	FO/FB	RNP	COURSE	DISTANCE	ALTITUDE
ZONIA	IF	EUKER		TF	FB	1.00	057.36	6.10	2200
EUKER	FAF	RW06	MAP	TF	FO	0.30	057.42	4.03	
RW06	MAP	1175 MSL		CA			057.42		
1175 MSL		IFSEH		DF	FB	1.00			
IFSEH		CXR VOR/DME		TF	FO	1.00	130.21	12.19	3100

MISSED APPROACH

MAP:

LPV: DA
LNAV/VNAV: DA
LNAV: RW06

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 3100 DIRECT IFSEH AND ON TRACK 130.21 TO CXR VOR/DME AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:

PROFILE:

- PT SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)
- PROFILE STARTS AT ZONIA
- FAC: 057.42 FAF: EUKER DIST FAF TO MAP: 4.03 DIST FAF TO THLD: 4.03
- MIN ALT: ZONIA 2200, EUKER 2200
- DIST TO THLD FROM OM: MM: IM: 150 HAT: 301 HAT: 0.81 GS ANT:
- MIN GP INCPT: 2200 GP ALT AT FAF : EUKER 2200 OM: MM: IM:
- GP ANGLE: 3.00 34:1: IS NOT CLEAR 20:1: IS CLEAR TCH: 42.0
- MSA FROM: RW06 3100



PBN REQUIREMENTS NOTES:

RNP APCH.

NOTES:

CHART NOTE: RWY 6 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED.
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -16C OR ABOVE 38C.

ADDITIONAL FLIGHT DATA:

CHART VDP AT 1.39 NM TO RW06*
*LNAV ONLY
WAAS CHANNEL #70628
REFERENCE PATH ID: W06A
CHART FAS OBST: 1105 ANTENNA 413126N/0813216W.
1199 AAO 413029N/0813242W.
HOLD NW, RT, 150.87 INBOUND
LTP HAE: 232.2 M
CHART CIRCLING ICON.

MINIMUMS:

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

ALTERNATE: NA ☐ STANDARD - CAT D 800-2 1/4

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	1175	7/8	301	1175	7/8	301	1175	7/8	301	1175	7/8	301			
LNAV/VNAV DA	1375	1 3/8	501	1375	1 3/8	501	1375	1 3/8	501	1375	1 3/8	501			
LNAV MDA	1360	1	486	1360	1	486	1360	1 3/8	486	1360	1 3/8	486			
CIRCLING	1400	1	524	1500	1	624	1560	2	684	1600	2 1/4	724			



CHANGES - REASONS

- 1.REMOVED BACKUP ALTIMETER SETTING AND ASSOCIATED NOTES - ALTIMETER SOURCE ON WMSCR AND DEEMED RELIABLE.
2. CHANGED AIRPORT ELEVATION FROM 879 TO 876- NEW AIRNAV DATA.
3. CHANGED TDZE FROM 873 TO 874- NEW AIRNAV DATA.
4. UPDATED CIRCLING CRITERIA TO NEW CIRCLING RADII- PER FPT CHECKLIST.
5. REMOVED STEPDOWN FIX LEEDO- PER FPT CHECKLIST.
6. LOWERED LPV FROM DA/HAT 1177/304 TO 1175/301- NEW AIRNAV DATA.
7. INCREASED LNAV/VNAV MDA/HAT FROM 1234/361 TO 1375/501- 1375 TREE (39-069439).
8. LOWERED LNAV MDA/HAT FROM 1380/506 TO 1360/486- NEW CONTROLLING OBSTACLE.
9. PFAF FIX EUKER MOVED FROM 413100.53N/0813341.44W TO 413059.496N/0813343.047W- 8260.54A 2.10.
10. UPDATED HELICOPTER VISIBILITY NOTE FROM VISIBILITY REDUCTION BY HELICOPTERS NA TO RWY 6 HELICOPTER VISIBILITY REDUCTION BELOW ¾ SM NOT AUTHORIZED- NO 20:1 VISUAL SURFACE PENETRATIONS.
11. CHART VDP AT 1.39 MILES TO RW 06* *LNAV ONLY- NO 20:1 VISUAL SURFACE PENETRATIONS.
12. REMOVED NOTE WHEN VGSI INOP, STRAIGHT-IN/ CIRCLING RWY 06 PROCEDURE NA AT NIGHT- NO 20:1 VISUAL SURFACE PENETRATIONS.
13. CAT A HAA RAISED FROM 521 TO 524, CAT B MDA/HAA RAISED FROM 1420/541 TO 1500/624, CAT C MDA/HAA RAISED FROM 1420/541 TO 1560/684, CAT D MDA/HAA RAISED FROM 1480/601 TO 1600/724- NEW CIRCLING CRITERIA APPLIED PER FPT CHECKLIST AND CAT A-D NEW CONTROLLING OBSTACLES.
14. FAS DATA BLOCK INFORMATION CHANGED; LTP/FTP LATITUDE CHANGED FROM 413338.0720N TO 413336.8300N, LTP/FTP LONGITUDE CHANGED FROM 0812936.3875W TO 0812938.3200W, LTP/FTP ELLIPSOIDAL HEIGHT CHANGED FROM +02317 TO +02322, FPAP LATITUDE CHANGED FROM 413435.9900N TO 413434.7500N, FPAP LONGITUDE CHANGED FROM 0812806.1600W TO 0812808.0875W, LENGTH OFFSET CHANGED FROM 1192 TO 1168, CRC REMAINDER CHANGED FROM 5DD22265 TO D421172B, LTP ORTHOMETRIC HEIGHT CHANGED FROM +02669 TO +02665, FPAP ORTHOMETRIC HEIGHT CHANGED FROM +02669 TO +02665- RWY LENGTH INCREASED.
15. DELETED "CHART PLANVIEW NOTE: RADAR REQUIRED" - GPS PROCEDURE. RADAR NOT REQUIRED FOR PROCEDURE ENTRY.
16. DELETED "CHART NOTE: DME/DME RNP-0.3 NA" - REPLACED WITH PBN EQUIPMENT REQUIREMENTS NOTE: "RNP APCH".
17. ADDED "CHART CIRCLING ICON" IN ADDITIONAL FLIGHT DATA.
18. DELETED FAS OBSTACLES 1074 TOWER AND 1029 OL ON TWR - REPLACED WITH 1105 ANTENNA.
19. ADDED 7:1 OBSTACLE 1199 AAO - 7:1 OBSTACLE.
20. MOVED BACKUP ALTIMETER (CLEVELAND-HOPKINS INTL) SETTING ADJUSTMENT AND BARO-VNAV/VDP INOP AND VDP NA NOTES TO THE BACK OF THE 8260-9- PER 8260.19H PARA 8-6-9 (F)3.

8/20/18: THIS IS AN UPDATED COPY OF THE FORM DEVELOPED ON 4/6/18.

1. ADDED CHART CIRCLING ICON TO ADDITIONAL FLIGHT DATA.
2. CHANGED REQUIRED EFFECTIVE DATE FROM ROUTINE TO 01/03/2019.
3. ADDED PENDING TO FLIGHT CHECKED BY.

9/27/18: THIS IS AN UPDATED COPY OF THE FORM DEVELOPED ON 4/2/18.

1. CHANGED REQUIRED EFFECTIVE DATE FROM 01/03/2019 TO 11/8/18.



<u>AIRPORT</u> CUYAHOGA COUNTY	<u>AIRPORT ID</u> KCGF	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 6	<u>ORIGINAL/AMENDMENT</u> 2	<u>CITY</u> CLEVELAND	<u>STATE</u> OH
<u>COORDINATED WITH:</u>					
A4A ☐ ALPA ☒ AOPA ☒ APA ☐ HAI ☐ NBAA ☒ <u>OTHER:</u> ZOB, CLE APP CON, CGF ATCT, AMGR					
<u>FLIGHT CHECKED BY</u> PENDING	<i>Digitally signed by</i> DEZ SILAGYI Aug 22, 2018	<u>OFFICE</u>	<u>DATE</u>		
<u>DEVELOPED BY</u> LONNIE EVERHART (MICHAEL W HARRIS)	<i>Digitally signed by</i> DEZ SILAGYI Aug 22, 2018	<u>OFFICE</u> AJV-5400	<u>DATE</u> 04/06/2018		
<u>APPROVED BY</u> LONNIE EVERHART	<i>Digitally signed by</i> DEZ SILAGYI Aug 22, 2018	<u>OFFICE</u> AJV-5400	<u>DATE</u>	<u>TITLE</u> MANAGER	



FAS DATA BLOCK INFORMATION

DATA FIELD	DATA
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KCGF
RUNWAY	RW06
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W06A
LTP/FTP LATITUDE	413336.8300N
LTP/FTP LONGITUDE	0812938.3200W
LTP/FTP ELLIPSOIDAL HEIGHT	+02322
FPAP LATITUDE	413434.7500N
FPAP LONGITUDE	0812808.0875W
THRESHOLD CROSSING HEIGHT (TCH)	00042.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1168
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0
CRC REMAINDER	D421172B

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K5
LTP ORTHOMETRIC HEIGHT	+02665
FPAP ORTHOMETRIC HEIGHT	+02665

