

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> CHARLEVOIX MUNI	<u>AIRPORT ID</u> KCVX	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 27	<u>ORIGINAL/AMENDMENT</u> ORIG-B	<u>CITY</u> CHARLEVOIX	<u>STATE</u> MI
<u>AIRPORT ELEVATION</u> 669	<u>TDZE</u> 662	<u>SUPERSEDED</u> RNAV (GPS) RWY 27	<u>ORIGINAL/AMENDMENT</u> ORIG-A	<u>DATED</u> 02/09/2012	<u>MAG VAR</u> 5W
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 8 NOVEMBER 2018	<u>REQUIRED EFFECTIVE DATE</u> ROUTINE	<u>CANCEL/SUSPEND</u>	<u>EPOCH YEAR</u> 1985

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>
IROTO		COKOS		TF	FO	2.00	038.08	9.83	3000
GLR VOR/DME	IAF	COKOS	NOPT	TF	FB	1.00	336.26	21.48	3000
PLN VORTAC	IAF	COKOS	NOPT	TF	FB	1.00	218.39	21.86	3000
COKOS	IF/IAF	HISUM		TF	FB	1.00	269.85	7.70	2600
HISUM	FAF	HOMVO/1.90 NM TO RW27		TF	FB	0.30	269.72	4.00	
HOMVO/1.90 NM TO RW27		RW27	MAP	TF	FO	0.30	269.72	1.90	
RW27	MAP	1069 MSL		CA	FO		269.72		
1069 MSL		COKOS		DF	FO	1.00			3000

MISSED APPROACH

MAP:

LNAV: RW27

MISSED APPROACH INSTRUCTIONS:

CLIMBING LEFT TURN 3000 DIRECT COKOS AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:



PROFILE:

1. PT

SIDE OF COURSE

OUTBOUND

FT WITHIN

MILES OF (IAF)

2. HOLD E COKOS, RT, 269.85 INBOUND, 3000 FT. IN LIEU OF PT (IAF), MAX 6000.

3. FAC: 269.72FAF: HISUMDIST FAF TO MAP: 5.90DIST FAF TO THLD: 5.90

4. MIN ALT: COKOS 3000, HISUM 2600, HOMVO/1.90 NM TO RW27 1300

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

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

7. GP ANGLE:34:1: IS NOT CLEAR20:1: IS CLEARTCH:

8. MSA FROM: RW27 3200

PBN REQUIREMENTS NOTE:

RNP APCH.

NOTES:

CHART NOTE: CIRCLING NA TO RWYS 4 AND 22.
CHART NOTE: RWY 27 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED.
CHART PROFILE NOTE: VGSI AND DESCENT ANGLES NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}).

ADDITIONAL FLIGHT DATA:

HOMVO TO RW27: 3.05/45.
CHART VDP AT 1.33 NM TO RW27
CHART FAS OBST: 791 POLE 451857N/0851447W.

MINIMUMS:

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

ALTERNATE: NA ☐ STANDARD

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
LNAV MDA	1100	1	438	1100	1	438	1100	1 1/4	438	1100	1 1/2	438			
CIRCLING	1280	1	611	1280	1	611	1280	1 3/4	611	1280	2	611			

CHANGES - REASONS

1. DELETED DME/DME RNP-0.3 NA - IAW 8260.19H 8-6-8 (B(1)) PBN NAVSPEC.
2. ADDED PBN NOTE RNP APCH - IAW 8260.19H 8-6-8 (B(1)) PBN NAVSPEC.
3. MOVED VDP NA WITH PLN ALTIMETER NOTE TO REMARKS SECTION OF 8260.9 - IAW 8260.19H 8-6-9 (F(3)) RELIABLE WEATHER SOURCE DO NOT REQUIRE PUBLISHED BACKUP ALTIMETER INFORMATION.
4. CHANGED INTERMEDIATE RNP VALUE FROM 0.50 TO 1.00 - UPDATED CODING VALUE FOR INTERMEDIATE SEGMENT.
5. MOVED SDF DISTANCE FROM 1.89 TO 1.90 - IAW 8260.19H 8-6-4 (B) TERMINAL ROUTE DOCUMENTATION TO THE HUNDREDTH FOR STEPDOWN FIX.
6. ADDED CA LEG TO MISSED APPROACH - IAW 8260.19H APPENDIX K AND L, REQUIRED FOR CODING.
7. MOVED VDP DISTANCE TO RWY FROM 1.27 NM TO 1.33 NM - UPDATED CALCULATION.
8. CHANGED VGSI AND DESCENT ANGLE NOTE TO INCLUDE ANGLE AND TCH FORMATTING - IAW 8260.19H 8-6-9 (M(2)) VGSI OR TCH NOT COINCIDENT NOTE INFORMATION.
9. ADDED HELICOPTER VISIBILITY REDUCTION BELOW 3/4SM NOT AUTHORIZED NOTE - AIRPORT HAS 34:1 PENETRATIONS.
10. CHANGED 34:1 NOTE FROM CLEAR TO NOT CLEAR - AIRPORT HAS 34:1 PENETRATIONS.



COORDINATED WITH:

A4A ☐ **ALPA** ☐ **AOPA** ☒ **APA** ☐ **HAI** ☐ **NBAA** ☒ **OTHER:** ZMP, CEN FPT, AMGR.

FLIGHT CHECKED BY

PROCESSED IAW FLIGHT INSPECTION GROUP (AJW-33) MEMO, DECEMBER 22,2017
SUBJECT: FLIGHT INSPECTION REVIEW NOT REQUIRED

DEVELOPED BY

SCOTT BAGENSIE

APPROVED BY

PATRICK MULQUEEN

Digitally signed by
SCOTT BAGENSIE
Jul 18, 2018

Digitally signed by
DAVID TEFFETELLER
Aug 01, 2018

<u>OFFICE</u>	<i>Digitally signed by</i>	<u>DATE</u>
	DAVID TEFFETELLER	
	Aug 01, 2018	
<u>OFFICE</u>		<u>DATE</u>
AJV-5433		07/12/2018

<u>OFFICE</u>	<u>DATE</u>	<u>TITLE</u>
AJV-5430		MANAGER

