

US DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION		RNAV - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.33		Bearings, headings, courses, 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 in feet RVR.											
TERMINAL ROUTES				MISSED APPROACH											
FROM	TO	COURSE AND DISTANCE	ALTITUDE	LP: RW22 LNAV: RW22 CLIMB TO 4000 DIRECT HIGIG AND HOLD, CONTINUE CLIMB-IN-HOLD TO 4000.											
ZR NDB	WIGUK (FO)	330.03 / 9.87	4000												
MARGN	WIGUK (FO)	066.02 / 14.28	4000												
WIGUK (IF/IAF)	ZORIX (FB)	223.25 / 6.90	2200												
ZORIX (FAF)	JULAD/2.20 NM TO RW22 (FB)	223.18 / 2.50													
JULAD/2.20 NM TO RW22	RW22 (MAP) (FO)	223.18 / 2.20		ADDITIONAL FLIGHT DATA: HOLD SW, RT, 043.05 INBOUND. CHART FAS OBST: 779 TREE 425513N/0823126W WAAS CHANNEL # 97723 REFERENCE PATH ID: W22A ZORIX TO RW22: 3.00/55. CHART CIRCLING ICON LTP HAE: 162.9 M											
RW22 (MAP)	1020 MSL	223.18													
1020 MSL	HIGIG (FO)		4000												
1. PT <u> </u> SIDE OF COURSE <u> </u> OUTBOUND <u> </u> FT WITHIN <u> </u> MILES OF <u> </u> (IAF) 2. HOLD NE WIGUK, RT, 223.25 INBOUND, 4000 FT. IN LIEU OF PT (IAF) 3. FAC: <u>223.18</u> FAF: <u>ZORIX</u> DIST FAF TO MAP: <u>4.70</u> THLD: <u>4.70</u> 4. MIN. ALT: <u>WIGUK 4000, ZORIX 2200, JULAD/2.20 NM TO RW22 1400</u> 5. DIST TO THLD FROM OM: <u> </u> MM: <u> </u> IM: <u> </u> 150 HAT: <u> </u> 100 HAT: <u> </u> GS ANT: <u> </u> 6. MIN GS INCPT: <u> </u> GS ALT AT: <u> </u> OM: <u> </u> MM: <u> </u> IM: <u> </u> 7. GS ANGLE: <u> </u> TCH: <u>34:1 IS NOT CLEAR</u> 8. MSA FROM: <u>RW22 2700</u>						MAG VAR: <u>7W</u> EPOCH YEAR: <u>1985</u>									
MINIMUMS															
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT				ALTERNATE: <u>NA</u>											
				STANDARD @											
CATEGORY =====>	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LP MDA	1020	1	371	1020	1	371	1020	1	371	1020	1	371			
LNAV MDA	1040	1	391	1040	1	391	1040	1 1/8	391	1040	1 1/8	391			
CIRCLING	1160	1	510	1160	1	510	1260	1 3/4	610	1260	2	610			
NOTES: CHART NOTE: DME/DME RNP-0.3 NA. CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT MARGN ON V450 WESTBOUND. CHART PROFILE NOTE: VGSI AND DESCENT ANGLES NOT COINCIDENT. CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS ON ZR NDB AIRWAY RADIAL 274. (SEE FORM 8260-10)															
CITY AND STATE PORT HURON, MI		ELEVATION: 650 TDZE: 649 AIRPORT NAME: ST CLAIR COUNTY INTL		FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 22, AMDT 1 18 SEPTEMBER 2014				SUP: AMDT: ORIGINAL DATED 08/25/2011		QUALITY 1 2 3 4 5 6 7 8 9 10			

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV - STANDARD
INSTRUMENT APPROACH PROCEDURE - TITLE 14 CFR PART 97.33

Bearings, headings, courses, 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 in feet RVR.

NOTES, (CONT.):

CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE TROY ALTIMETER SETTING AND INCREASE ALL

MDA 100 FEET; INCREASE LP CAT C AND D VISIBILITY 3/8 MILE AND LNAV AND CIRCLING CATS C AND D

VISIBILITY 1/4 MILE.

CHART NOTE: NIGHT LANDING: RWY 22, 10, 28 NA.

CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED.

CITY AND STATE

PORT HURON, MI

ELEVATION: 650

TDZE: 649

AIRPORT NAME:

ST CLAIR COUNTY INTL

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:

RNAV (GPS) RWY 22, AMDT 1

18 SEPTEMBER 2014

SUP:

AMDT: ORIG

DATED: 08/25/2011

**RNAV STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICE - FAR PART 97.33**

Bearings, headings, courses, 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 in feet RVR.

FAS DATA BLOCK INFORMATION**DATA FIELD****DATA**

OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KPHN
RUNWAY	RW22
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W22A
LTP/FTP LATITUDE	425457.3755N
LTP/FTP LONGITUDE	0823126.6840W
LTP/FTP ELLIPSOIDAL HEIGHT	+01629
FPAP LATITUDE	425345.3960N
FPAP LONGITUDE	0823238.1740W
THRESHOLD CROSSING HEIGHT (TCH)	00055.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1192
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	0.0

CRC REMAINDER

3FAB1946

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K5
LTP ORTHOMETRIC HEIGHT	+01978
FPAP ORTHOMETRIC HEIGHT	+01978

CITY AND STATE

PORT HURON, MI

ELEVATION: 650

TDZE: 649

AIRPORT NAME:

ST CLAIR COUNTY INTL

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 22, AMDT 1

18 SEPTEMBER 2014

SUP:

AMDT: ORIG

DATED: 08/25/2011

RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE

Bearings, headings, courses, 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 in feet RVR.

ARINC PACKET - 424-18 - RNAV (GPS)

[illegible][illegible][illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP	KPHNK5FR22	AMARGN	010MARGNK5EA0E	IF						18000		A JS	
SUSAP	KPHNK5FR22	AMARGN	020WIGUKCYEA0EY	020TF			06600143	+ 04000				A JS	
SUSAP	KPHNK5FR22	AMARGN	030WIGUKCYEA0EE	AR HF			22330040	+ 04000				A JS	
SUSAP	KPHNK5FR22	AZR	010ZR CYDB0N	IF						18000		A JS	
SUSAP	KPHNK5FR22	AZR	020WIGUKCYEA0EY	020TF			33000099	+ 04000				A JS	
SUSAP	KPHNK5FR22	AZR	030WIGUKCYEA0EE	AR HF			22330040	+ 04000				A JS	
SUSAP	KPHNK5FR22	R	010WIGUKCYEA0E	I IF				+ 04000		18000		A JS	
SUSAP	KPHNK5FR22	R	020ZORIXK5EA1E	F 051TF			22330069	+ 02200			RW22	K5PGA	JS
SUSAP	KPHNK5FR22	R	020ZORIXK5EA2WALP		N	ALNAV							JS
SUSAP	KPHNK5FR22	R	021JULADK5EA0E	S 031TF			22320025	V 0140001404		-300		A JS	
SUSAP	KPHNK5FR22	R	030RW22 K5PG0GY	M 031TF			22320022	00704		-300		A JS	
SUSAP	KPHNK5FR22	R	040	0 M CA			2232	+ 01020				A JS	
SUSAP	KPHNK5FR22	R	050HIGIGK5EA0EY	DF				+ 04000				A JS	
SUSAP	KPHNK5FR22	R	060HIGIGK5EA0EE	R HM			04310040	+ 04000				A JS	

[illegible][illegible]

CITY AND STATE
PORT HURON, MI

ELEVATION: 650 TDZE: 649
AIRPORT NAME:
ST CLAIR COUNTY INTL

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:
RNAV (GPS) RWY 22, AMDT 1
 18 SEPTEMBER 2014

SUP:	
AMDT:	ORIG
DATED:	08/25/2011

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICES - FAR PART 97.33

Bearings, headings, courses, 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 in feet RVR.

SUSAP KPHNK5PR22 RW22 001 0000W22A0N4254573755W08231266840+016290300N4253453960W08232381740106751192000550F4000003FAB1946
SUSAP KPHNK5PR22 RW22 002E +01978+01978LP 97723

MSA 1 2 3 4 5 6 7 8 9 0 1 2 3
12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012

SUSAP KPHNK5SRW22 K5PG 0 18018002725 M

CITY AND STATE
PORT HURON, MI

ELEVATION: **650** TDZE: **649**
AIRPORT NAME:
ST CLAIR COUNTY INTL

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:
RNAV (GPS) RWY 22, AMDT 1
18 SEPTEMBER 2014

SUP:
AMDT: **ORIG**
DATED: **08/25/2011**

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE
 FLIGHT STANDARDS SERVICES - FAR PART 97.33

Bearings, headings, courses, 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 in feet RVR.

ARINC SUMMARY - 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
	MARGN	MARGN	010		IF		FB					
	MARGN	WIGUK	020		TF		FO	2.0	066.0(059.0T)	014.3	AA 04000	
	MARGN	WIGUK	030	IAF	HF	R	FO		223.3(216.3T)	004.0	AA 04000	
	ZR	ZR	010		IF		FB					
	ZR	WIGUK	020		TF		FO	2.0	330.0(323.0T)	009.9	AA 04000	
	ZR	WIGUK	030	IAF	HF	R	FO		223.3(216.3T)	004.0	AA 04000	
		WIGUK	010	FACF	IF		FB				AA 04000	
		ZORIX	020	FAF	TF		FB	0.5	223.3(216.3T)	006.9	AA 02200	
		JULAD	021	SDF	TF		FB	0.3	223.2(216.2T)	002.5	AA 01400	GS 01404
		RW22	030	MAP	TF		FO	0.3	223.2(216.2T)	002.2	AT 00704	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		223.2(216.2T)		AA 01020	
	HIGIG	050		DF		FO				AA 04000	
	HIGIG	060		HM	R	FO		043.1(036.1T)	004.0	AA 04000	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	ZR	N425626.11	W0821400.65	N4256.435	W08214.011
	WIGUK	N430419.21	W0822206.65	N4304.320	W08222.111
	HIGIG	N424507.09	W0824111.38	N4245.118	W08241.190
	JULAD	N425643.99	W0822940.69	N4256.733	W08229.678
	MARGN	N425659.18	W0823849.14	N4256.986	W08238.819
	ZORIX	N425845.01	W0822740.21	N4258.750	W08227.670
	RW22	N425457.38	W0823126.68	N4254.956	W08231.445

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW22	00649	55

CITY AND STATE
 PORT HURON, MI

ELEVATION: 650 TDZE: 649
 AIRPORT NAME:
 ST CLAIR COUNTY INTL

FACILITY
 IDENTIFIER:
 RNAV

PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:
 RNAV (GPS) RWY 22, AMDT 1
 18 SEPTEMBER 2014

SUP:
 AMDT: ORIG
 DATED: 08/25/2011