

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: RW08 LNAV: RW08 CLIMB TO 2500 DIRECT HUVTI AND HOLD. ADDITIONAL FLIGHT DATA: HOLD E, RT, 262.44 INBOUND. CHART FAS OBST: 829 TREE 455153N/0843840W CHART FAS OBST: 859 TREE 455134N/0843807W NUBKE TO RW08: 3.00/40. WAAS CHANNEL # 63129 REFERENCE PATH ID: W08A CHART CIRCLING ICON CHART APT ELEV 741 LTP HAE: 186.6 M								
PLN VORTAC		ZIMUX (FB)		298.46 / 9.83		2600										
PINES		WAKMA (FO)		241.68 / 22.68		2500										
ZIMUX (IAF)		WAKMA (NOPT) (FB)		352.07 / 7.50		2500										
WAKMA (IF/IAF)		NUBKE (FB)		082.04 / 7.20		2400										
NUBKE (FAF)		JUPIB/1.50 NM TO RW08 (FB)		082.16 / 3.62												
JUPIB/1.50 NM TO RW08		RW08 (MAP) (FO)		082.16 / 1.50												
(SEE FORM 8260-10)																
1. PT <u> </u> SIDE OF COURSE <u> </u> OUTBOUND <u> </u> FT WITHIN <u> </u> MILES OF <u> </u> (IAF)								MAG VAR: 7W EPOCH YEAR: 2000								
2. HOLD W WAKMA, RT, 082.04 INBOUND, 2500 FT. IN LIEU OF PT (IAF)																
3. FAC: 082.16 FAF: NUBKE DIST FAF TO MAP: 5.12 THLD: 5.12																
4. MIN. ALT: WAKMA 2500, NUBKE 2400, JUPIB/1.50 NM TO RW08 1240																
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: 34:1 IS NOT CLEAR																
8. MSA FROM: RW08 2900																
MINIMUMS																
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT						ALTERNATE: N A		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	1080	1	351	1080	1	351	1080	1	351		NA					
LNAV MDA	1120	1	391	1120	1	391	1120	1 1/8	391		NA					
CIRCLING	1320	1	579	1320	1	579	1320	1 1/2	579		NA					
NOTES: CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE PELLSTON ALTIMETER SETTING AND INCREASE @ NA WHEN LOCAL WEATHER NOT AVAILABLE. ALL MDA 60 FEET, INCREASE LP AND LNAV CAT C VISIBILITY 1/8 MILE AND CIRCLING CAT C VISIBILITY 1/4 MILE. CHART NOTE: DME/DME RNP-0.3 NA. (SEE FORM 8260-10)																
CITY AND STATE MACKINAC ISLAND, MI				ELEVATION: 741 THRE: 729 AIRPORT NAME: MACKINAC ISLAND				FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 8, AMDT 1 3 APRIL 2014				SUP: AMDT: ORIG DATED 07/26/2012		

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

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TERMINAL ROUTES, (CONT.):

FROM	TO	COURSE AND DISTANCE	ALTITUDE
RW08 (MAP)	1080 MSL	082.16	
1080 MSL	HUVTI (FO)		2500

NOTES, (CONT.):

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS ON PLN VORTAC AIRWAY RADIALS 219 CW 295.

CHART PROFILE NOTE: VGSI AND DESCENT ANGLES NOT COINCIDENT.

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

CHART NOTE: CIRCLING RWY 26 NA AT NIGHT.

CHART NOTE: STRAIGHT-IN/CIRCLING RWY 8 PROCEDURE NA AT NIGHT.

CITY AND STATE

MACKINAC ISLAND, MI

ELEVATION: 741

THRE: 729

AIRPORT NAME:

MACKINAC ISLAND

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 8, AMDT 1

3 APRIL 2014

SUP:

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

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FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KMCD
RUNWAY	RW08
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W08A
LTP/FTP LATITUDE	455149.5400N
LTP/FTP LONGITUDE	0843837.4600W
LTP/FTP ELLIPSOIDAL HEIGHT	+01866
FPAP LATITUDE	455212.2150N
FPAP LONGITUDE	0843634.1535W
THRESHOLD CROSSING HEIGHT (TCH)	00040.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1680
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	0.0

<u>CRC REMAINDER</u>	637E3E2A
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ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K5
LTP ORTHOMETRIC HEIGHT	+02221
FPAP ORTHOMETRIC HEIGHT	+02221

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[illegible][illegible][illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP	KMCDK5FR08	APINES	010PINESK5EA0E	IF						18000		A JS	
SUSAP	KMCDK5FR08	APINES	020WAKMAK5EA0EY	020TF			24170227	+ 02500				A JS	
SUSAP	KMCDK5FR08	APINES	030WAKMAK5EA0EE	AR HF			08200040	+ 02500				A JS	
SUSAP	KMCDK5FR08	APLN	010PLN K5D 0V	IF						18000		A JS	
SUSAP	KMCDK5FR08	APLN	020ZIMUXK5EA0E	A 020TF			29850098	+ 02600				A JS	
SUSAP	KMCDK5FR08	APLN	030WAKMAK5EA0EE	B 010TF			35210075	+ 02500				A JS	
SUSAP	KMCDK5FR08	R	010WAKMAK5EA0E	I IF				+ 02500		18000		A JS	
SUSAP	KMCDK5FR08	R	020NUBKEK5EA1E	F 051TF			08200072	+ 02400			RW08	K5PGA JS	
SUSAP	KMCDK5FR08	R	020NUBKEK5EA2WALP		N	ALNAV						JS	
SUSAP	KMCDK5FR08	R	021JUPIBK5EA0E	S 031TF			08220036	V 0124001246		-300		A JS	
SUSAP	KMCDK5FR08	R	030RW08 K5PG0GY	M 031TF			08220015	00769		-300		A JS	
SUSAP	KMCDK5FR08	R	040	0 M CA			0822	+ 01080				A JS	
SUSAP	KMCDK5FR08	R	050HUVTIK5EA0EY	DF				+ 02500				A JS	
SUSAP	KMCDK5FR08	R	060HUVTIK5EA0EE	R HM			26240040	+ 02500				A JS	

[illegible]

CITY AND STATE MACKINAC ISLAND, MI	ELEVATION: 741	THRE: 729	FACILITY IDENTIFIER: RNAV	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: RNAV (GPS) RWY 8, AMDT 1 3 APRIL 2014	SUP:
	AIRPORT NAME: MACKINAC ISLAND				AMDT: ORIG
					DATED: 07/26/2012

RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE

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

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ARINC SUMMARY - 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
	PINES	PINES	010		IF		FB					
	PINES	WAKMA	020		TF		FO	2.0	241.7 (234.7T)	022.7	AA 02500	
	PINES	WAKMA	030	IAF	HF	R	FO		082.0 (075.0T)	004.0	AA 02500	
	PLN	PLN	010		IF		FB					
	PLN	ZIMUX	020	IAF	TF		FB	2.0	298.5 (291.5T)	009.8	AA 02600	
	PLN	WAKMA	030		TF		FB	1.0	352.1 (345.1T)	007.5	AA 02500	
		WAKMA	010	FACF	IF		FB				AA 02500	
		NUBKE	020	FAF	TF		FB	0.5	082.0 (075.0T)	007.2	AA 02400	
		JUPIB	021	SDF	TF		FB	0.3	082.2 (075.2T)	003.6	AA 01240	GS 01246
		RW08	030	MAP	TF		FO	0.3	082.2 (075.2T)	001.5	AT 00769	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		082.2 (075.2T)		AA 01080	
	HUVTI	050		DF		FO				AA 02500	
	HUVTI	060		HM	R	FO		262.4 (255.4T)	004.0	AA 02500	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	PLN	N453750.33	W0843950.79	N4537.839	W08439.847
	HUVTI	N455450.15	W0842208.89	N4554.836	W08422.148
	JUPIB	N455126.60	W0844041.98	N4551.443	W08440.700
	NUBKE	N455031.04	W0844542.59	N4550.517	W08445.710
	PINES	N460149.61	W0842912.25	N4601.827	W08429.204
	WAKMA	N454839.99	W0845539.37	N4548.667	W08455.656
	ZIMUX	N454125.31	W0845253.65	N4541.422	W08452.894
	RW08	N455149.54	W0843837.46	N4551.826	W08438.624

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW08	00729	40

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	AIRPORT NAME:	MACKINAC ISLAND	RNAV	RNAV (GPS) RWY 8, AMDT 1	AMDT: ORIG
				3 APRIL 2014	DATED: 07/26/2012