

FEDERAL AVIATION ADMINISTRATION
FLIGHT STANDARDS SERVICE
RNAV (RNP) 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> GENERAL MITCHELL INTL	<u>AIRPORT ID</u> KMKE	<u>PROCEDURE NAME</u> RNAV (RNP) Y RWY 7R	<u>ORIGINAL/AMENDMENT</u> ORIG-B	<u>CITY</u> MILWAUKEE	<u>STATE</u> WI
<u>AIRPORT ELEVATION</u> 729	<u>TDZE</u> 729	<u>SUPERSEDED</u> RNAV (RNP) Y RWY 7R	<u>ORIGINAL/AMENDMENT</u> ORIG-A	<u>DATED</u> 12/11/2014	<u>MAG VAR</u> 4W
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 13 SEPTEMBER 2018	<u>REQUIRED EFFECTIVE DATE</u> ROUTINE	<u>CANCEL SUSPEND</u>	<u>EPOCH YEAR</u> 2020

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>
HONUR	IAF	GAUSS		TF	FB	1.00	255.66	2.50	6500
ZUGUN	IF	HARGU		TF	FB	1.00	255.60	4.00	4900
BALMS	IF	HAXUT		TF	FB	1.00	115.04	6.30	3500
BONOT	IF	JANSI		TF	FB	1.00	075.44	5.16	3200
GAUSS	IF	SNAPS		TF	FB	1.00	255.62	3.00	6000
HARGU		WIDOS		RF	FB	1.00	(2.51 NM RADIUS CCW (CFXMM))	3.72	3800
WIDOS		IRONY		RF	FB	1.00	(2.08 NM RADIUS CCW (CFZFF))	3.45	2800
HAXUT		IRONY		RF	FB	1.00	(3.45 NM RADIUS CCW (CFTKB))	2.39	2800
SNAPS		JITNU		TF	FB	0.50	255.58	1.08	5700
JITNU		CEMAX		RF	FB	0.50	(2.56 NM RADIUS CW (CFXFL))	3.35	4500
CEMAX		JANSI		RF	FB	0.50	(2.11 NM RADIUS CW (CFTLF))	3.87	3200
JANSI		IRONY		TF	FB	0.50	075.53	1.26	2800
IRONY		WALUM		TF	FB	0.50	075.55	3.14	1800
WALUM	PFAF	RW07R	MAP	TF	FO		075.60	3.21	
RW07R	MAP	FAHEY		TF	FB	1.00	075.64	6.89	
FAHEY		CULEK		RF	FB	1.00	5.10 NM RADIUS CCW (CFTJP))	7.09	
CULEK		PROOT		TF	FO	1.00	356.14	4.06	3700



MISSED APPROACH

MAP:

RNP: DA

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 3700 ON THE RNAV MISSED APPROACH ROUTE TO PROOT AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:

PROFILE:

1. PT	SIDE OF COURSE	OUTBOUND	FT WITHIN	MILES OF (IAF)					
2.	PROFILE STARTS AT IRONY								
3. FAC:	075.60	PFAF: WALUM	DIST PFAF TO MAP: 3.21	DIST PFAF TO THLD:					
4. MIN ALT:	IRONY 2800, WALUM 1800								
5. DIST TO THLD FROM PFAF:	3.21	MM:	IM:	150 HAT:	390 HAT: 1.07				
6. MIN GP INCPT:	1800	GP ALT AT PFAF : WALUM 1800			OM:	MM:	IM:		
7. GP ANGLE:	3.00	34:1: IS NOT CLEAR	20:1: IS CLEAR	TCH: 49.9#					
8. MSA FROM:	RW07R 2900								

PBN EQUIPMENT REQUIREMENTS NOTES

RF REQUIRED.
RNP AR APCH.

NOTES:

CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, PROCEDURE NA BELOW -20C OR ABOVE 54C.
CHART PROFILE NOTE: SEE PLANVIEW FOR MULTIPLE IF LOCATIONS.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT BONOT ON V191 SOUTHBOUND.
CHART PLANVIEW NOTE AT HONUR: (RNP 0.50).
CHART PLANVIEW NOTE AT BONOT: (RNP 0.50).
CHART PLANVIEW NOTE AT BALMS: (RNP 0.50).
CHART PLANVIEW NOTE AT ZUGUN: (RNP 0.50).
CHART NOTE: FOR INOPERATIVE ALS, INCREASE RNP 0.10 ALL CATS VISIBILITY TO 1 1/4.
CHART NOTE: FOR INOPERATIVE ALS, INCREASE RNP 0.15 ALL CATS VISIBILITY TO 1 5/8.
CHART NOTE: FOR INOPERATIVE ALS, INCREASE RNP 0.30 ALL CATS VISIBILITY TO 1 3/4.
CHART SPEED ICON IN PLANVIEW AT HONUR: MAX 220 KIAS.
CHART PLANVIEW NOTE AT ZUGUN: MAX 210 KIAS UNTIL WIDOS.
CHART PLANVIEW NOTE AT BALMS: MAX 210 KIAS UNTIL WALUM.
CHART PLANVIEW NOTE AT WIDOS: MAX 190 KIAS UNTIL WALUM.
CHART PLANVIEW NOTE AT SNAPS: MAX 210 KIAS UNTIL CEMAX.
CHART PLANVIEW NOTE AT CEMAX: MAX 190 KIAS UNTIL WALUM.

ADDITIONAL FLIGHT DATA:



ROUTE TYPE: A, H
ROUTE TYPE QUALIFIER 1: F
ROUTE TYPE QUALIFIER 2: S
#TCH 778.4 MSL (DO NOT CHART)
CHART MANDATORY 6000 AT SNAPS.
CHART MANDATORY 5400 AT BALMS.
CHART MANDATORY 6000 AT ZUGUN.
CHART MINIMUM 4800 AT BONOT.
CHART MINIMUM 7000 AT HONUR.
HOLD N, RT, 174.46 INBOUND

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
AUTHORIZATION REQUIRED															
RNP 0.10 DA	1119	4500	390	1119	4500	390	1119	4500	390	1119	4500	390			
RNP 0.15 DA	1203	6000	474	1203	6000	474	1203	6000	474	1203	6000	474			
RNP 0.30 DA	1255	1 3/8	526	1255	1 3/8	526	1255	1 3/8	526	1255	1 3/8	526			

CHANGES - REASONS

1. UPDATED MAGVAR FROM 2W/1995 TO 4W/2020. ALL COURSES UPDATED BY 2 DEGREES - MAGVAR OUT OF TOLERANCE.
2. UPDATED FROM "DIST TO THLD FROM 390 HATH: 1.07 NM" TO "DIST TO THLD FROM 390 HAT: 1.07 NM" IN ADDITIONAL FLIGHT DATA - IAW MEMO DATED 2/21/2014.
3. INCORPORATED PNOTAM 4/6271: DELETED THRE AND ADDED TDZE, ELEVATION DID NOT CHANGE - IAW MEMO DATED 2/21/2014.
4. CHANGED ALL SPEED ICON NOTES FROM "CHART SPEED ICON IN PLANVIEW AT HONUR: MAX 220 KIAS," "CHART SPEED ICON IN PLANVIEW AT SNAPS, ZUGUN, BALMS: MAX 210 KIAS," AND "CHART SPEED ICON IN PLANVIEW AT CEMAX, WIDOS: MAX 190 KIAS" TO "CHART PLANVIEW NOTE AT (FIX NAME): MAX (SPEED) KIAS UNTIL (FIX NAME" FOR EACH OF THE FOLLOWING FIXES: 220KIAS: HONUR; 210KIAS: ZUGUN, BALMS, SNAPS; 190 KIAS: CEMAX, WIDOS - IAW 8260.19H PARA 4-6-10.G. "FOR AN RF TURN, SPECIFY THE POINT WHERE THE RESTRICTION STARTS AND THE POINT AT WHICH THE RESTRICTION IS NO LONGER REQUIRED."
5. UPDATED FROM "CHART PLANVIEW NOTE: ADJACENT TO HONUR IAF, ZUGUN IF, BALMS IF, BONOT IF: RNP 0.50" TO "CHART PLANVIEW NOTE AT (FIX NAME): (RNP 0.50)" FOR EACH OF THE FOLLOWING FIXES: HONUR, ZUGUN, BALMS, AND BONOT - IAW 8260.19H PARA 4-6-10.F.
6. UPDATED NOTE FROM "CHART NOTE: RF REQUIRED" TO "PBN REQUIREMENTS NOTE: RF REQUIRED" - 8260.19H 4-6-10.H(1) AND MEMO IMPLEMENTATION OF FAA ORDER 8260.19H FLIGHT PROCEDURE AND AIRSPACE DATED SEPTEMBER 12, 2017.
7. DELETED "CHART NOTE: GPS REQUIRED" FROM NOTES - NOTE IS NO LONGER REQUIRED. IAW .19H PARA 8-6-8 B(1).
8. ADDED "PBN REQUIREMENTS NOTE: RNP AR APCH" TO NOTES - 8260.58A CHANGE 1 PARA 4-2-1, IAW 8260.19H PARA 8-6-8.B.(1), AND MEMO IMPLEMENTATION OF FAA ORDER 8260.19H FLIGHT PROCEDURE AND AIRSPACE DATED SEPTEMBER 12, 2017.
9. UPDATED TCH MSL VALUE IN ADDITIONAL FLIGHT DATA FROM 778.8 TO 778.4 - RUNWAY THRESHOLD ELEVATION CHANGED FROM 728.9 TO 728.5.
10. UPDATED ALL INOPERATIVE NOTES FROM "FOR INOPERATIVE MALSR..." TO "FOR INOPERATIVE ALS..." - IAW 8260.19H 8-6-11.O.(3)(D).
11. DELETED "CHART PLANVIEW NOTE ADJACENT TO ZUGUN IF, BALMS IF, HONUR IAF: RADAR REQUIRED" - NO LONGER REQUIRED. IAW 8260.19H 8-6-9.G(2).
12. CHANGED CRITICAL TEMPERATURE NOTE FROM "CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, PROCEDURE NA BELOW -20C (-4F) OR ABOVE 54C (130F)" TO "CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, PROCEDURE NA BELOW -20C OR ABOVE 54C" - DOCUMENTATION OF DEGREES FARENHIET IS NO LONGER REQUIRED. IAW 8260.19H 8-6-9.S.



