

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 ID</u> KHLN	<u>PROCEDURE NAME</u> RNAV (RNP) Y RWY 27	<u>ORIGINAL/AMENDMENT</u> 2	<u>CITY</u> HELENA	<u>STATE</u> MT		
<u>AIRPORT ELEVATION</u> 3877	<u>TDZE</u> 3852	<u>SUPERSEDED</u> RNAV (RNP) Y RWY 27	<u>ORIGINAL/AMENDMENT</u> 1	<u>DATED</u> 02/23/2023	<u>MAG VAR</u> 12E	<u>EPOCH YEAR</u> 2025
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 25 JANUARY 2024	<u>REQUIRED EFFECTIVE DATE</u> ROUTINE	<u>CANCEL/SUSPEND</u>		

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>
HIA VOR/DME		SUZZY		TF	FB	1.00	026.00	18.39	10500
SUZZY	IAF	SWEDD		TF	FB	1.00	023.14	25.48	10000
HLN VORTAC	IAF	AGUPY		TF	FB	1.00	123.94	6.48	11000
AGUPY	IF	BMACK		TF	FB	0.40	126.02	3.39	10200
BMACK		CAGIN		RF	FB	0.40	(2.86 NM RADIUS CCW (CFFZL))	2.69	9400
URELE	IAF	FALDE		TF	FB	0.40	173.19	20.96	9400
FALDE		BOSCA		TF	FB	0.40	226.47	6.45	7200
SWEDD	IAF	BOSCA		TF	FB	1.00	311.86	7.83	7200
HEXOL	IAF	FALDE		TF	FB	0.40	257.58	15.22	9400
LINGE	IAF	FALDE		TF	FB	0.50	226.67	17.50	9400
BOSCA	IF	GOKME		TF	FB	0.40	270.93	2.84	7000
CAGIN		DEPTH		RF	FB	0.40	(2.86 NM RADIUS CCW (CFFXB))	2.35	8700
DEPTH		EJUPY		RF	FB	0.40	(2.86 NM RADIUS CCW (CFDZX))	1.68	8200
EJUPY		FABGO		RF	FB	0.40	(2.86 NM RADIUS CCW (CFFSW))	2.69	7400
FABGO		GOKME		RF	FB	0.40	(2.86 NM RADIUS CCW (CFDVX))	1.34	7000
GOKME		JEXUT	PFAF	TF	FB	0.40	270.87	2.00	6500
RICHD	IAF	HLN VORTAC		TF	FB	1.00	090.06	19.67	12000

QUALITY
10
CHECKED

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<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>
JEXUT	PFAF	RW27	MAP	TF	FB	0.30	270.85	8.16	
RW27	MAP	ZEKSA		TF	FB	0.38	270.72	2.18	
ZEKSA		MUSEW		TF	FB	0.78	270.68	4.49	
MUSEW		KISTY		TF	FB	1.00	270.60	4.31	
KISTY		KELTY		TF	FB	1.00	265.03	8.99	
KELTY		PIXXI		TF	FO	1.00	275.16	11.87	12000

MISSED APPROACH

MAP:
RNP: DA

MISSED APPROACH INSTRUCTIONS:
CLIMB TO 12000 ON THE RNAV MISSED APPROACH ROUTE TO PIXXI AND HOLD, CONTINUE CLIMB-IN-HOLD TO 12000; *MISSED APPROACH REQUIRES MINIMUM CLIMB OF 260 FEET PER NM TO 7900; IF UNABLE TO MEET CLIMB GRADIENT, SEE RNAV (RNP) Z RWY 27.

ALTERNATE MISSED APPROACH INSTRUCTIONS:

PROFILE:

1. PT	SIDE OF COURSE	OUTBOUND	FT WITHIN	MILES OF	(IAF)
2. PROFILE STARTS AT GOKME					
3. FAC: 270.85	PFAF: JEXUT	DIST PFAF TO MAP:	DIST PFAF TO THLD:		
4. MIN ALT: GOKME 7000, JEXUT 6500					
5. DIST TO THLD FROM PFAF: 8.16	MM:	IM:	150 HAT:	432 HAT: 1.21	GS ANT:
6. MIN GP INCPT: 6500	GP ALT AT PFAF : JEXUT 6500	OM:	MM:	IM:	
7. GP ANGLE: 3.00	34:1: IS CLEAR	20:1: IS CLEAR	TCH: 55.1		
8. MSA FROM: RW27 10600					

PBN REQUIREMENTS NOTE:

RNP AR APCH - GPS.



NOTES:

CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, PROCEDURE NA BELOW -28°C OR ABOVE 54°C.
CHART PROFILE NOTE: SEE PLANVIEW FOR MULTIPLE IF LOCATIONS.
CHART NOTE: MISSED APPROACH REQUIRES RNP LESS THAN 1.0.
CHART PLANVIEW NOTE AT HLN VORTAC: (RNP 0.40).
CHART PLANVIEW NOTE AT SUZZY: (RNP 0.40).
CHART PLANVIEW NOTE AT SWEDD: (RNP 0.40).
CHART PLANVIEW NOTE AT HEXOL: (RNP 0.40).
CHART PLANVIEW NOTE AT LINGE: (RNP 0.40).
CHART PLANVIEW NOTE AT URELE: (RNP 0.40)
CHART PLANVIEW NOTE AT RICHD: (RNP 0.40)
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL ON HIA VOR/DME AIRWAY RADIALS 353 CW 078.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT SUZZY ON V343 WESTBOUND.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT HLN VORTAC ON V113 NORTHEAST BOUND.
CHART NOTE: FOR INOPERATIVE ALS, INCREASE RNP 0.30 DA* VISIBILITY ALL CATS TO 1 3/8 SM.
CHART PLANVIEW NOTE AT BMACK: DO NOT EXCEED 210 KIAS UNTIL GOKME.
CHART SPEED ICON IN PLANVIEW AT AGUPY: MAX 210 KIAS.
CHART SPEED ICON IN PLANVIEW AT URELE: MAX 240 KIAS.
CHART SPEED ICON IN PLANVIEW AT BOSCA: MAX 210 KIAS.

ADDITIONAL FLIGHT DATA:

HOLD W, RT, 090.40 INBOUND.
CHART AT OR ABOVE 10000 AT SWEDD.

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 0.15 DA*	4284	3/4	432	4284	3/4	432	4284	3/4	432	4284	3/4	432			
RNP 0.30 DA*	4321	1	469	4321	1	469	4321	1	469	4321	1	469			



