

**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 ID</u> KHRF	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 17	<u>ORIGINAL/AMENDMENT</u> ORIG	<u>CITY</u> HAMILTON	<u>STATE</u> MT	
<u>AIRPORT ELEVATION</u> 3636	<u>TDZE</u> 3636	<u>SUPERSEDED</u>	<u>ORIGINAL/AMENDMENT</u> NONE	<u>DATED</u>	<u>MAG VAR</u> 13E
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 7 OCTOBER 2021	<u>REQUIRED EFFECTIVE DATE</u> 10/07/2021	<u>CANCEL/SUSPEND</u>	<u>EPOCH YEAR</u> 2025

TERMINAL ROUTES

FROM	FIX TYPE	TO	FIX TYPE	LEG TYPE	FO/FB	RNP	COURSE	DISTANCE	ALTITUDE
MSO VOR/DME		MEXUE		TF	FB	1.00	152.14	14.41	9200
MEXUE	IAF	ILUGE		TF	FB	1.00	188.32	12.14	7600
ILUGE	IF	ACAFI	PFAF	TF	FB	1.00	173.85	7.39	5600
ACAFI	FAF	RW17	MAP	TF	FO	0.30	167.75	6.06	
RW17	MAP	4100 MSL		CA			167.75		4100
4100 MSL		ACAFI		DF	FB	1.00			
ACAFI		ILUGE		TF	FB	1.00	353.84	7.39	
ILUGE		MEXUE		TF	FB	1.00	008.24	12.14	
MEXUE		MSO VOR/DME		TF	FO	1.00	332.20	14.41	11200

MISSED APPROACH

MAP:

LPV: DA
LNAV/VNAV: DA
LNAV: RW17

MISSED APPROACH INSTRUCTIONS:

(DO NOT EXCEED 130 KIAS UNTIL ACAFI) CLIMB TO 4100 ON 167.75 THEN CLIMBING LEFT TURN TO 11200 DIRECT ACAFI AND TRACK 353.84 TO ILUGE AND TRACK 008.24 TO MEXUE AND TRACK 332.20 TO MISSOULA VOR/DME AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:



CHANGES - REASONS

ORIGINAL PROCEDURE CREATED FOLLOWING AIRPORT NAME AND ID (6S5 TO HRF) CHANGE WITH EXTENSIVE AIRPORT CONSTRUCTION TO INCLUDE A NEW RUNWAY, SURVEY, ALLOWANCE FOR VERTICALLY GUIDED MINIMUMS AND NIGHT OPERATIONS - ALL PROCEDURES AT 6S5 CANCELLED.

COORDINATED WITH:

A4A **ALPA** **AOPA** **APA** **HAI** **NBAA** **OTHER:** ZLC, GEG APP CON, AMGR

FLIGHT CHECKED BY
PENDING

Digitally signed by
DONALD H LANIER
Jul 09, 2021

OFFICE
FICO

DATE

DEVELOPED BY
KELLY DEAN

Digitally signed by
KELLY D DEAN
Jun 28, 2021

OFFICE
AJV-A431

DATE
05/05/2021

APPROVED BY
LONNIE EVERHART

Digitally signed by
DONALD H LANIER
Jul 09, 2021

OFFICE
AJV-A430

DATE

TITLE
MANAGER



FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KHRF
RUNWAY	RW17
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W17A
LTP/FTP LATITUDE	461551.4570N
LTP/FTP LONGITUDE	1140725.3520W
LTP/FTP ELLIPSOIDAL HEIGHT	+10935
FPAP LATITUDE	461422.3935N
FPAP LONGITUDE	1140727.0280W
THRESHOLD CROSSING HEIGHT (TCH)	00035.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1168
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0
CRC REMAINDER	22C8C0ED

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K1
LTP ORTHOMETRIC HEIGHT	+11082
FPAP ORTHOMETRIC HEIGHT	+11082

