

**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</u> WHEATLAND COUNTY AT HARLOWTON	<u>AIRPORT ID</u> KHWQ	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 9	<u>ORIGINAL/AMENDMENT</u> ORIG	<u>CITY</u> HARLOWTON	<u>STATE</u> MT	
<u>AIRPORT ELEVATION</u> 4312	<u>TDZE</u> 4312	<u>SUPERSEDED</u>	<u>ORIGINAL/AMENDMENT</u> NONE	<u>DATED</u>	<u>MAG VAR</u> 11E	<u>EPOCH YEAR</u> 2020
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 30 JANUARY 2020	<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>
BAXTA		FAMGI		TF	FO	1.00	298.48	14.51	8300
TEKOE	IAF	RIELS		TF	FB	1.00	162.47	19.72	9700
RIELS		FAMGI		TF	FB	1.00	162.48	8.00	8300
FAMGI	IF/IAF	AZAPU		TF	FB	1.00	087.51	5.35	6500
AZAPU		HALKO		TF	FB	1.00	087.60	2.25	5900
HALKO	FAF	RECTA/2.54 NM TO RW09		TF	FB	0.30	087.56	2.28	
RECTA/2.54 NM TO RW09		RW09	MAP	TF	FO	0.30	087.56	2.54	
RW09	MAP	4673 MSL		CA			087.56		
4673 MSL		FALKI		DF	FB	1.00			
FALKI		TASSE		TF	FO	1.00	114.10	38.19	8000

MISSED APPROACH

MAP:

LPV: DA
LNAV/VNAV: DA
LNAV: RW09

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 8000 DIRECT FALKI AND ON TRACK 114.10 TO TASSE AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:



PROFILE:

1. PT SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)

2. HOLD W FAMGI, RT, 087.51 INBOUND, 8300 FT. IN LIEU OF PT (IAF), MAX 12000.

3. FAC: 087.56 FAF: HALKO DIST FAF TO MAP: 4.82 DIST FAF TO THLD: 4.82

4. MIN ALT: FAMGI 8300, AZAPU 6500, HALKO 5900, RECTA/2.54 NM TO RW09 5160*

5. DIST TO THLD FROM OM: MM: IM: 150 HAT: 361 HAT: 0.96 GS ANT:

6. MIN GP INCPT: 5900 GP ALT AT FAF : HALKO 5900 OM: MM: IM:

7. GP ANGLE: 3.00 34:1: IS NOT CLEAR 20:1: IS NOT CLEAR TCH: 55.0

8. MSA FROM: RW09 11700

PBN REQUIREMENTS NOTE:

RNP APCH.

NOTES:

CHART NOTE: RWY 9 HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED.
CHART NOTE: BARO-VNAV NA.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT BAXTA ON V247 EASTBOUND AND ARRIVALS AT TEKOE ON V187 SOUTHEAST BOUND.
*LNAV ONLY
CHART NOTE: USE LEWISTOWN ALTIMETER SETTING.
CHART NOTE: STRAIGHT-IN RWY 9 NA AT NIGHT, CIRCLING RWY 9 NA AT NIGHT.

ADDITIONAL FLIGHT DATA:

CHART LEWISTOWN ASOS.
CHART CIRCLING ICON.
WAAS CHANNEL #99443
REFERENCE PATH ID: W09A
CHART FAS OBST: 4424 POLE 462744N/1095338W.
HOLD NW, RT, 114.10 INBOUND
LTP HAE: 1302.5 M

MINIMUMS:

TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT

ALTERNATE: NA ☒

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
LPV DA	4673	1	361	4673	1	361		NA			NA				
LNAV/VNAV DA	4673	1	361	4673	1	361		NA			NA				
LNAV MDA	4800	1	488	4800	1	488		NA			NA				
CIRCLING	4940	1	628	5000	1	688		NA			NA				



CHANGES - REASONS

ORIGINAL PROCEDURE.
CONCURRENT EFFECTIVE WITH AIRSPACE DOCKET: 19-ANM-7

COORDINATED WITH:

A4A ☐ **ALPA** ☒ **AOPA** ☒ **APA** ☐ **HAI** ☐ **NBAA** ☒ **OTHER:** ZLC, AMGR

FLIGHT CHECKED BY

SCOTT A THOMPSON

Digitally signed by **OFFICE**
WARDELL HENNING FICO
Dec 18, 2019

DATE
11/22/19

DEVELOPED BY

WARDELL HENNING (THERON CYRUS)

Digitally signed by
WARDELL HENNING
Dec 18, 2019

OFFICE
AJV-A432

DATE
06/25/2019

APPROVED BY

LONNIE EVERHART

Digitally signed by
WARDELL HENNING
Dec 18, 2019

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	KHWQ
RUNWAY	RW09
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W09A
LTP/FTP LATITUDE	462658.1220N
LTP/FTP LONGITUDE	1095139.6090W
LTP/FTP ELLIPSOIDAL HEIGHT	+13025
FPAP LATITUDE	462644.7145N
FPAP LONGITUDE	1094932.2225W
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	1472
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0
CRC REMAINDER	19981709

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K1
LTP ORTHOMETRIC HEIGHT	+13143
FPAP ORTHOMETRIC HEIGHT	+13143

