

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> 0B4	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 13	<u>ORIGINAL/AMENDMENT</u> ORIG-D	<u>CITY</u> HARTINGTON	<u>STATE</u> NE		
<u>AIRPORT ELEVATION</u> 1388	<u>TDZE</u> 1383	<u>SUPERSEDED</u> RNAV (GPS) RWY 13	<u>ORIGINAL/AMENDMENT</u> ORIG-C	<u>DATED</u> 11/07/2019	<u>MAG VAR</u> 6E	<u>EPOCH YEAR</u> 2000
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 20 APRIL 2023	<u>REQUIRED EFFECTIVE DATE</u> ROUTINE	<u>CANCEL/SUSPEND</u>		

TERMINAL ROUTES **THIS IS A CORRECTED COPY OF A PROCEDURE ORIGINALLY PUBLISHED IN TL 23-07.**

<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>
HARDS		COVIL		TF	FO	1.00	356.26	9.91	3200
FIITS	IAF	COVIL	NOPT	TF	FB	1.00	176.25	11.10	3200
HIVNO	IAF	COVIL	NOPT	TF	FB	1.00	134.93	10.22	3200
COVIL	IF/IAF	BATOM		TF	FB	1.00	135.03	4.73	3100
BATOM	FAF	ZAMEL/2.20 NM TO RW13		TF	FB	0.30	135.07	2.77	
ZAMEL/2.20 NM TO RW13		RW13	MAP	TF	FO	0.30	135.07	2.20	
RW13	MAP	1788 MSL		CA			135.07		
1788 MSL		COTPO		DF	FO	1.00			3200

MISSED APPROACH

MAP:

LPV: DA
 LNAV/VNAV: DA
 LNAV: RW13

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 3200 DIRECT COTPO AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:



PROFILE:

1. PT

SIDE OF COURSE

OUTBOUND

FT WITHIN

MILES OF

(IAF)

2. HOLD NW COVIL, RT, 135.03 INBOUND, 3200 FT. IN LIEU OF PT (IAF), MAX 6000.

3. FAF: 135.07FAF: BATOMDIST FAF TO MAP: 4.97DIST FAF TO THLD: 4.97

4. MIN ALT: COVIL 3200, BATOM 3100, ZAMEL/2.20 NM TO RW13 2140

5. DIST TO THLD FROM OM:MM:IM:150 HAT:441 HAT: 1.21GS ANT:

6. MIN GP INCPT: 3100GP ALT AT PFAF : BATOM 3100OM:MM:IM:

7. GP ANGLE: 3.2034:1: IS NOT CLEAR20:1: IS CLEARTCH: 45.0

8. MSA FROM: RW13 3800

PBN REQUIREMENTS NOTE:

RNP APCH - GPS.

NOTES:

CHART NOTE: RWY 13 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED. 

CHART NOTE: BARO-VNAV NA.

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT HIVNO ON T400 SOUTHBOUND.

CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}).

USE YANKTON ALTIMETER SETTING; WHEN NOT RECEIVED, USE BROOKINGS RGNL ALTIMETER SETTING AND INCREASE LPV DA TO 1831 FEET. INCREASE LNAV/VNAV DA TO 2230 FEET.

INCREASE LNAV MDA 20 FEET.

ADDITIONAL FLIGHT DATA:

CHART CHAN GURNEY MUNI AWOS-3.

HOLD SE, RT, 315.22 INBOUND.

CHART FAS OBST: 1611 TOWER (31-020088) 423633N/0971635W.

1659 AAO 423906N/0971824W.

WAAS CHANNEL # 53722

REFERENCE PATH ID: W13A

LTP HAE: 391.2 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	1824	1 3/8	441	1824	1 3/8	441		NA			NA				
LNAV/VNAV DA	2223	2 1/2	840	2223	2 1/2	840		NA			NA				
LNAV MDA	2000	1	617	2000	1	617		NA			NA				

QUALITY
16
CHECKED

CHANGES - REASONS

1. INCORPORATED P-NOTAMS ORIG-A, ORIG B, AND ORIG C INTO THIS AMENDMENT.
2. CHANGED TERMINAL ROUTES FROM "YKN VOR/DME" TO "FIITS"; ADDED FIITS TO COVIL COURSE FROM "176.28" TO "176.25" DISTANCE FROM "11.09" TO "11.10" - YKN VOR MON.
3. UPDATED TERMINAL ROUTES ZAMEL/2.20 NM TO RW13 COURSE FROM "135.10" TO "135.07" - UPDATED COURSE TO CURRENT CRITERIA.
4. ADDED TERMINAL ROUTES: CA LEG OF 1788; DF LEG 1788 MSL TO COTPO - REQUIRED FOR RNAV PROCEDURES.
5. UPDATED PROFILE LINE 2 FROM "COVIL 3200, BATOM 3100, ZAMEL/2.20 NM TO RW13 2140*" TO "COVIL 3200, BATOM 3100, ZAMEL/2.20 NM TO RW13 2140" DELETED "*LNAV ONLY" FROM ADDITIONAL FLIGHT DATA. - NO LONGER REQUIRED.
6. ADDED PROFILE LINE 5 "441 HAT: 1.21" - 8260.19I 8-6-7 E(3)
7. PROFILE LINE 7: ADDED "34:1: IS NOT CLEAR" ADDED "20:1: IS CLEAR" - 8260.19I 8-6-7.G (3).
8. UPDATED PBN REQUIREMENTS NOTE FROM RNP APCH TO: RNP APCH - GPS - 8260.19I 8-6-8.B (2).
9. UPDATED NOTES: FROM "USE YANKTON ALTIMETER SETTING. WHEN NOT AVAILABLE, USE WAYNE ALTIMETER SETTING AND INCREASE ALL DA 7 FEET AND ALL MDA 20 FEET." TO " "
10. REMOVED NOTES: CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL ON YANKTON VOR/DME AIRWAY RADIAL 119. - YKN VOR MON.
11. UPDATED ADDITIONAL FLIGHT DATA: CHART FAS OBST FROM "1611 TOWER 423633N/0971635W." TO "1611 TOWER (31-020088) 423633N/0971635W."
12. UPDATED CHART NOTE: FROM "USE YANKTON ALTIMETER SETTING. WHEN NOT AVAILABLE, USE WAYNE ALTIMETER SETTING AND INCREASE ALL DA 7 FEET AND ALL MDA 20 FEET." TO "USE YANKTON ALTIMETER SETTING; WHEN NOT RECEIVED, USE BROOKINGS RGNL ALTIMETER SETTING AND INCREASE LPV DA TO 1831 FEET. INCREASE LNAV/VNAV DA TO 2230 FEET. INCREASE LNAV MDA 20 FEET." - 8260.19I 8-6-9 F(6)
13. ADDED NOTES: PROCEDURE NA FOR ARRIVALS AT HIVNO ON T400 SOUTHBOUND. - 8260.19I 8-2-5 G(2).
14. ADDED ADDITIONAL FLIGHT DATA: "CHART CHAN GURNEY MUNI AWOS-3" - 8260.19I 8-2-4.B.(3).
15. UPDATED LPV CAT A, B VIS FROM 1 1/2 TO 1 3/8, LNAV/VNAV CAT A, B FROM 3 TO 2 1/2. - 8260.3E, TABLE 3-3-1.

THIS IS A CORRECTED COPY OF THE FORM APPROVED ON 11/28/2022
ADDED "SM" TO HELICOPTER VISIBILITY REDUCTION NOT AUTHORIZED NOTE.

COORDINATED WITH:

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

FLIGHT CHECKED BY

JEFFREY A FINDLEY

*Digitally signed by***ERIC N SUSKI****OFFICE**

FPO

DATE

01/09/2023

DEVELOPED BY

ERIC N SUSKI (COLE NESBITT)

*Digitally signed by***ERIC N SUSKI**

Nov 28, 2022

OFFICE

AJV-A431

DATE**APPROVED BY**

ERIC N SUSKI

*Digitally signed by***ERIC N SUSKI**

Nov 28, 2022

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	0B4
RUNWAY	RW13
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W13A
LTP/FTP LATITUDE	423628.0035N
LTP/FTP LONGITUDE	0971526.0340W
LTP/FTP ELLIPSOIDAL HEIGHT	+03912
FPAP LATITUDE	423518.6100N
FPAP LONGITUDE	0971410.3200W
THRESHOLD CROSSING HEIGHT (TCH)	00045.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.20
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1544
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0
CRC REMAINDER	EC16AE8A

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K3
LTP ORTHOMETRIC HEIGHT	+04167
FPAP ORTHOMETRIC HEIGHT	+04167

