

**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.

AIRPORT HIGHMORE MUNI	AIRPORT ID 9D0	PROCEDURE NAME RNAV (GPS) RWY 13	ORIGINAL/AMENDMENT ORIG-A	CITY HIGHMORE	STATE SD
AIRPORT ELEVATION 1854	TDZE 1852	SUPERSEDED RNAV (GPS) RWY 13	ORIGINAL/AMENDMENT ORIG	DATED 09/15/2016	MAG VAR 5E
FACILITY RNAV	COORDINATES OF FACILITIES	ACTUAL EFFECTIVE DATE 10 OCTOBER 2019	REQUIRED EFFECTIVE DATE ROUTINE	CANCEL/SUSPEND	EPOCH YEAR 2020

TERMINAL ROUTES

FROM	FIX TYPE	TO	FIX TYPE	LEG TYPE	FO/FB	RNP	COURSE	DISTANCE	ALTITUDE
ELREE		OMCEW		TF	FO	1.00	334.53	30.69	4000
ALLOT	IAF	OMCEW	NOPT	TF	FB	1.00	218.03	27.47	4000
PIR VORTAC	IAF	OMCEW	NOPT	TF	FB	1.00	053.61	28.59	4000
OMCEW	IF/IAF	UJBIC		TF	FB	1.00	129.66	3.50	3400
UJBIC	FAF	WUVAM/2.40 NM TO RW13		TF	FB	0.30	129.71	2.37	
WUVAM/2.40 NM TO RW13		RW13	MAP	TF	FO	0.30	129.71	2.40	
RW13	MAP	2192 MSL		CA			129.71		
2192 MSL		ITIXE		DF	FO	1.00			4000

MISSED APPROACH

MAP:

LPV: DA
LNAV/VNAV: DA
LNAV: RW13

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 4000 DIRECT ITIXE AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:



PROFILE:

- 1. **PT** **SIDE OF COURSE** **OUTBOUND** **FT WITHIN** **MILES OF (IAF)**
- 2. HOLD NW OMCEW, RT, 129.66 INBOUND, 4000 FT. IN LIEU OF PT (IAF), MAX 6000.
- 3. **FAC:** 129.71 **FAF:** UJBIC **DIST FAF TO MAP:** 4.77 **DIST FAF TO THLD:** 4.77
- 4. **MIN ALT:** OMCEW 4000, UJBIC 3400, WUVAM/2.40 NM TO RW13 2640*
- 5. **DIST TO THLD FROM OM:** **MM:** **IM:** **150 HAT:** **340 HAT:** 0.97 **GS ANT:**
- 6. **MIN GP INCPT:** 3400 **GP ALT AT FAF :** UJBIC 3400 **OM:** **MM:** **IM:**
- 7. **GP ANGLE:** 3.00 **34:1:** IS CLEAR **20:1:** IS CLEAR **TCH:** 40.0
- 8. **MSA FROM:** RW13 3600

PBN REQUIREMENTS NOTE:

RNP APCH.

NOTES:

CHART NOTE: BARO-VNAV NA.
 *LNAV ONLY
 CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL ON PIR VORTAC AIRWAY RADIALS 341 CW 100.
 CHART NOTE: USE ONIDA ALTIMETER SETTING; WHEN NOT RECEIVED, USE PIERRE ALTIMETER SETTING AND INCREASE LPV AND LNAV/VNAV DA TO 2226 AND ALL MDAS 40 FEET.

ADDITIONAL FLIGHT DATA:

CHART ONIDA AWOS-3
 CHART CIRCLING ICON
 WAAS CHANNEL #72839
 REFERENCE PATH ID: W13A
 FAS OBST: 1919 TREE 443214N/0992722W.
 HOLD SE, RT, 309.86 INBOUND
 LTP HAE: 537.4 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	2192	1 1/8	340	2192	1 1/8	340		NA			NA					
LNAV/VNAV DA	2192	1 1/8	340	2192	1 1/8	340		NA			NA					
LNAV MDA	2260	1	408	2260	1	408		NA			NA					
CIRCLING	2460	1	606	2600	1	746		NA			NA					



CHANGES - REASONS

1. CHANGED LPV AND LNAV/VNAV HATS FROM 351 TO 340 AND LNAV HAT FROM 419 TO 408 - NEW ALTIMETER SOURCE HAS A LOWER RASS ADJUSTMENT. PREVIOUS DA MAINTAINED SINCE THIS IS AN ABBREVIATED AMENDMENT.
2. CHANGED DISTANCE TO THLD FROM HAT FROM 0.98 TO 0.97 NM - HAT DECREASED TO 340
3. PROFILE LINE 7, 20:1 IS CLEAR ADDED - IAW8260.19H PARA 8-6-7G(3)
4. REPLACED CHART NOTE "DME/DME RNP-0.3 NA" WITH PBN REQUIREMENTS NOTE: "RNP APCH" - 8260.19H 8-6-8 B
5. UPDATED ALTIMETER SETTING NOTE - K98D ADDED AS PRIMARY ALTIMETER AND KPIR MOVED TO BACKUP
6. INCREASED WUVAM ALTITUDE FROM 2440 TO 2640 - PROVIDE STABILIZED DESCENT.
7. CHANGED NA FOR ARRIVAL NOTE FROM ...RADIALS 011 CW 100 TO ...RADIALS 341 CW 100 - TURNS EXCEED 90°

COORDINATED WITH:

A4A **ALPA** **AOPA** **APA** **HAI** **NBAA** **OTHER:** AIRPORT MANAGER, ZMP

FLIGHT CHECKED BY

PROCESSED IAW AIRCRAFT OPERATIONS GROUP (AJW-33) MEMO, OCTOBER 3, 2018, SUBJECT:
FLIGHT INSPECTION REVIEW NOT REQUIRED

Digitally signed by

DONALD H LANIER

OFFICE

DATE

DEVELOPED BY

DONALD H. LANIER (CHRISTOPHER STEWART) *Digitally signed by* Jun 14, 2019

OFFICE

AJV-A431

DATE

05/22/2019

APPROVED BY

LONNIE EVERHART *Digitally signed by* Jun 14, 2019

DONALD H LANIER

OFFICE

AJV-A430

DATE

TITLE
MANAGER

Jun 14, 2019



FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	9D0
RUNWAY	RW13
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W13A
LTP/FTP LATITUDE	443239.6270N
LTP/FTP LONGITUDE	0992721.7810W
LTP/FTP ELLIPSOIDAL HEIGHT	+05374
FPAP LATITUDE	443136.8790N
FPAP LONGITUDE	0992553.3455W
THRESHOLD CROSSING HEIGHT (TCH)	00040.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1624
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0
CRC REMAINDER	16EED276

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K3
LTP ORTHOMETRIC HEIGHT	+05611
FPAP ORTHOMETRIC HEIGHT	+05611

