

**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> YELLOWSTONE RGNL	<u>AIRPORT ID</u> KCOD	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 22	<u>ORIGINAL/AMENDMENT</u> 2	<u>CITY</u> CODY	<u>STATE</u> WY	
<u>AIRPORT ELEVATION</u> 5102	<u>TDZE</u> 5076	<u>SUPERSEDED</u> RNAV (GPS) RWY 22	<u>ORIGINAL/AMENDMENT</u> 1	<u>DATED</u> 04/13/2006	<u>MAG VAR</u> 11E	<u>EPOCH YEAR</u> 2020
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 26 MARCH 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>
CRANY		HOZZR		TF	FB	1.00	318.34	21.53	9000
NICQE		HOZZR		TF	FB	1.00	008.51	16.07	9000
HOZZR	IAF	DUSCA	NOPT	TF	FB	1.00	311.57	7.00	8400
SEZJI	IAF	DUSCA	NOPT	TF	FB	1.00	131.39	10.56	8400
DUSCA	IF/IAF	ELYPS		TF	FB	1.00	221.49	6.05	7500
ELYPS	FAF	COYAV/6.26 NM TO RW22		TF	FB	0.30	221.42	1.19	
COYAV/6.26 NM TO RW22		JUSIL/2.74 NM TO RW22		TF	FB	0.30	221.42	3.52	
JUSIL/2.74 NM TO RW22		RW22	MAP	TF	FO	0.30	221.42	2.74	
RW22	MAP	5740 MSL		CA			221.42		5740
5740 MSL		NICQE		DF	FO	1.00			9600

MISSED APPROACH

MAP:

LPV: DA
LNAV: RW22

MISSED APPROACH INSTRUCTIONS:

(DO NOT EXCEED 185 KIAS UNTIL NICQE) CLIMB TO 5740 THEN CLIMBING LEFT TURN TO 9600 DIRECT NICQE AND HOLD, CONTINUE CLIMB-IN-HOLD TO 9600.

**MISSED APPROACH REQUIRES MINIMUM CLIMB OF 227 FEET PER NM TO 6900.

ALTERNATE MISSED APPROACH INSTRUCTIONS:



PROFILE:

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

2. HOLD NE DUSCA, RT, 221.49 INBOUND, 8400 FT. IN LIEU OF PT (IAF), MAX 14000.

3. FAC: 221.42 FAF: ELYPS DIST FAF TO MAP: 7.45 DIST FAF TO THLD: 7.45

4. MIN ALT: DUSCA 8400, ELYPS 7500, COYAV/6.26 NM TO RW22 7120*, JUSIL/2.74 NM TO RW22 6000*

5. DIST TO THLD FROM OM: MM: IM: 150 HAT: 321 HAT: 0.85 GS ANT: MM: IM:

6. MIN GP INCPT: 7500 GP ALT AT FAF : ELYPS 7500 OM: MM: IM:

7. GP ANGLE: 3.50 34:1: IS CLEAR 20:1: IS CLEAR TCH: 60.0

8. MSA FROM: RW22 13600

PBN REQUIREMENTS NOTE:

RNP APCH.

NOTES:

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT CRANY ON V187 SOUTHBOUND AND V319 SOUTHEAST BOUND.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT NICQE ON V85 SOUTHEAST BOUND.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT SEZJI ON V85 NORTHBOUND.
CHART SPEED ICON IN PLANVIEW AT HOZZR: MAX 210 KIAS.
CHART SPEED ICON IN PLANVIEW AT DUSCA: MAX 180 KIAS.

ADDITIONAL FLIGHT DATA:

CHART CIRCLING ICON
CHART VDP AT 1.47 NM TO RW22*
*LNAV ONLY
WAAS CHANNEL #93600
REFERENCE PATH ID: W22A
CHART FAS OBST: 5333 TERRAIN 443110N/1090046W.
CHART: 6662 TOWER 443509N/1085101W, 5140 TRANSMISSION_LINE 443257N/1085657W.
HOLD SE, LT, 326.37 INBOUND
LTP HAE: 1535 M

MINIMUMS:

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

ALTERNATE: NA ☐ NA WHEN LOCAL WEATHER NOT AVAILABLE.; STANDARD - CAT B 900-2, CAT C 900-2 1/2, CAT D 1900-3

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**	5397	1	321	5397	1	321	5397	1	321	5397	1	321			
LPV DA	5457	1 1/8	381	5457	1 1/8	381	5457	1 1/8	381	5457	1 1/8	381			
LNAV MDA	5600	1	524	5600	1	524	5600	1 1/2	524	5600	1 1/2	524			
CIRCLING	5780	1	678	5920	1 1/4	818	5940	2 1/2	838	6940	3	1838			



CHANGES - REASONS

1. CHANGED MAGVAR 14E EPOCH 1995 TO 11E EPOCH 2020.-EXCEEDED 3°.
2. ADDED 3° TO ALL COURSES.-AIRPORT MAGVAR CHANGE FROM 14E/1995 TO 11E/2020.
3. LPV VISIBILITY LOWERED FROM 1 1/4 TO 1 1/8.- NEW VISICHECK
4. CHANGED COYAV SDF FROM "COYAV/4.40NM TO RW22" TO "COYAV/6.26 NM TO RW22" AND ADDED SECOND SDF AT JUSIL.-TO ACHIEVE LOWEST POSSIBLE LNAV MDA.
5. CHANGED INTERMEDIATE LENGTH FROM 6.2 NM TO 6.05 NM.-NEW FAF/PFAF LOCATION.
6. CHANGED FINAL LENGTH FROM 7.3 TO 7.45.-NEW FAF/PFAF LOCATION.
7. CHANGED INTERMEDIATE, BOTH INITIALS AND HOLD IN-LIEU ALTITUDE FROM 8000 TO 8400.-ATC REQUEST.
8. LNAV MDA/HAT LOWERED FROM 5620/544 TO 5600/524, LOWERED CAT D VIS FROM 1 3/4 TO 1 1/2.-SECOND SDF AND NEW CONTROLLING OBSTACLE.
9. ADDED LPV SECOND LINE OF MINIMA WITH MISSED APPROACH CLIMB GRADIENT OF 227 FPNM TO 6900 FEET.-ATC REQUEST.
10. UPDATED ALTERNATE MINIMUM NOTES.-NEW APPROACH MINIMUMS
11. MISSED APPROACH SPEED RESTRICTION OF 185 KIAS MAX UNTIL NICQE.-ATC REQUEST.
12. ADDED SPEED ICONS AT HOZZR 210 KIAS AND AT DUSCA 180 KIAS MAX.-ATC REQUEST.
13. CHANGED CIRCLING MDA/HAA -VIS FROM CAT A 5840/738-1 ¼ TO 5780/678-1, CAT B 5840/738-1 ¼ TO 5920/818-1 1/4, CAT C 5900/798-2 ¼ TO 5940/838-2 1/2, CAT D 5960/858-2 ¾ TO 6940/1838-3 AND ADDED CHART CIRCLING ICON TO ADDITIONAL FLIGHT DATA.-NEW CIRCLING CRITERIA APPLIED.
14. REMOVED CHART NOTE DME/DME RNP-0.3 NA.-NO LONGER REQUIRED.
15. ADDED PBN REQUIREMENTS NOTE: RNP APCH.-8260.19H PARA 8-6-8.
16. REMOVED APPROACH ROUTE QUALIFIERS 1 AND 2 FROM ADDITIONAL FLIGHT DATA.-NO LONGER REQUIRED.
17. CHART VDP CHANGED FROM 1.55 TO 1.47 TO RWY 22.-NEW TARGETS VDP CALCULATIONS.
18. CHANGED FAS OBSTACLE FROM 5380 TREE 443110N/1090014W TO 5333 TERRAIN 443110N/1090046W.-NEW LNAV FINAL.
19. REMOVED 7:1 OBSTACLE 0502 TREE 443622N/1085342W AND ADDED 6662 TOWER 443509N/1085101W, 5140 TRANSMISSION LINE 443257N/1085657W.-MOVED/ADDED SDFS.
20. CHANGED HOLD SE, LT, 323.37 INBOUND TO HOLD SE, LT, 326.37 INBOUND.-AIRPORT MAGVAR CHANGE FROM 14E/1995 TO 11E/2020.
21. REMOVED ROUTE TYPE DESCRIPTION: A, R.-NO LONGER NEEDED.
22. CHANGED LTP FROM 443135.23N/1090044.95W TO 443135.2320N/1090044.9485W, FPAP FROM 443040.76N/1090223.50W TO 443040.7615N/1090223.4975W AND CRC REMAINDER FROM 243F6D1E TO 2EECF6.-NEW DATA PULL AND TARGETS CALCULATIONS.
23. REMOVED ALT2 AT COYAV6545.-NO LONGER REQUIRED.
24. CHANGED DISTANCE TO THLD FROM 381 HAT: 1.04 NM TO 321 HAT: 0.85 NM AND MOVED FROM ADDITIONAL FLIGHT DATA TO PROFILE.-LPV WITH CLIMB GRADIENT LOWER MINIMUMS AND 8260.19H.
25. ADDED MAX HOLDING ALTITUDE AT DUSCA 14000.-8260.19H.
26. ADDED 20:1 IS CLEAR ON LINE 7 OF PROFILE.-20:1 IS CLEAR.
27. MISSED APPROACH ROUTE CHANGED FROM CLIMB TO 9600 DIRECT AJKEV AND LEFT TURN VIA 123° TRACK TO NICQE AND HOLD. TO (DO NOT EXCEED 185 KIAS UNTIL NICQE) CLIMB TO 5740 THEN CLIMBING LEFT TURN TO 9600 DIRECT NICQE AND HOLD, CONTINUE CLIMB-IN-HOLD TO 9600.-NEW CRITERIA APPLIED

02/13/2020: THIS IS A CORRECTED COPY OF THE FORM APPROVED ON 01/22/20.
1. FAC ON LINE 3 OF PROFILE VIEW CHANGED FROM 038.21 TO 221.42.

COORDINATED WITH:

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

FLIGHT CHECKED BY
ROBERT DUWANE RICHARDSON

Digitally signed by
WARDELL HENNING
Feb 13, 2020

OFFICE
FIOG
DATE
12/11/2019

DEVELOPED BY
WARDELL HENNING (JOHN KEEFER)

Digitally signed by
WARDELL HENNING
Feb 13, 2020

OFFICE
AJV-A432
DATE
08/09/2019

APPROVED BY
GEORGE DAVIS
Digitally signed by
WARDELL HENNING
Feb 13, 2020

OFFICE
AJV-A430
DATE
TITLE
MANAGER



FAS DATA BLOCK INFORMATION

DATA FIELD	DATA
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KCOD
RUNWAY	RW22
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W22A
LTP/FTP LATITUDE	443135.2320N
LTP/FTP LONGITUDE	1090044.9485W
LTP/FTP ELLIPSOIDAL HEIGHT	+15350
FPAP LATITUDE	443040.7615N
FPAP LONGITUDE	1090223.4975W
THRESHOLD CROSSING HEIGHT (TCH)	00060.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.50
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0352
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0
CRC REMAINDER	2EECF6C6

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K1
LTP ORTHOMETRIC HEIGHT	+15471
FPAP ORTHOMETRIC HEIGHT	+15471

