

**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> KSAA	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 5	<u>ORIGINAL/AMENDMENT</u> 1	<u>CITY</u> SARATOGA	<u>STATE</u> WY		
<u>AIRPORT ELEVATION</u> 7014	<u>TDZE</u> 7014	<u>SUPERSEDED</u> RNAV (GPS) RWY 5	<u>ORIGINAL/AMENDMENT</u> ORIG-D	<u>DATED</u> 12/30/2021	<u>MAG VAR</u> 12E	<u>EPOCH YEAR</u> 1995
<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

FROM	FIX TYPE	TO	FIX TYPE	LEG TYPE	FO/FB	RNP	COURSE	DISTANCE	ALTITUDE
CKW VOR/DME	IAF	HOVDU		TF	FB	1.00	139.23	16.79	10100
ZOLGA	IAF	HOVDU		TF	FB	1.00	185.02	11.91	10100
HOVDU		ZUBUB		TF	FB	1.00	143.61	14.28	10100
NEDAE	IAF	ZUBUB		TF	FB	1.00	076.84	18.39	10100
ZUBUB	IF	YIDUR		TF	FB	1.00	053.70	10.30	10100
YIDUR		WEVOM		TF	FB	1.00	053.85	3.98	9300
WEVOM	FAF	ZOGAN/3.51 NM TO RW05		TF	FB	0.30	053.88	3.52	
ZOGAN/3.51 NM TO RW05		AFTEL/2.25 NM TO RW05		TF	FB	0.30	053.88	1.26	
AFTEL/2.25 NM TO RW05		RW05	MAP	TF	FO	0.30	053.88	2.25	
RW05	MAP	7800 MSL		CA			053.88		7800
7800 MSL		ZOLGA		DF	FO	1.00			11000

MISSED APPROACH

MAP:

LPV: DA
LNAV/VNAV: DA
LNAV: RW05

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 7800 THEN CLIMBING LEFT TURN TO 11000 DIRECT ZOLGA AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:



CHANGES - REASONS

1. TERMINAL ROUTE YIDUR TO WEVOM COURSE/DISTANCE CHANGED FROM 0583/3.95 TO 053.85/3.98. - FIX WEVOM MOVED TO ALIGN GP WITH VGSI.
2. TERMINAL ROUTE CHANGED FROM WEVOM TO ZOGAN/3.50 NM TO RW05 053.89/3.55 TO WEVOM TO ZOGAN/3.51 NM TO RW05 053.88/3.52. - FIX WEVOM MOVED TO ALIGN GP WITH VGSI.
3. TERMINAL ROUTE CHANGED FROM ZOGAN/3.50 NM TO RW05 TO RWY 05 053.89/3.50 TO ZOGAN/3.51 NM TO RW05 TO AFTEL/2.25 NM TO RW05. - SDF ADDED TO LOWER MINS PER FPT REQUEST.
4. TERMINAL ROUTE ADDED AFTEL/2.25 NM TO RW05 TO RW05. - SECOND SDF ADDED.
5. TERMINAL ROUTE RW05 TO 7800 COURSE CHANGED FROM 053.89 TO 053.88. - NEW FAC.
6. PROFILE LINE THREE CHANGED FROM FAC: 053.89, DIST FAF TO MAP: 7.05, DIST FAF TO THLD: 7.05 TO FAC 053.88, DIST FAF TO MAP: 7.02, DIST FAF TO THLD: 7.02. - FAF WEVON MOVED.
7. PROFILE LINE FOUR CHANGED FROM MIN ALT: ZUBUB 10100, YIDUR 10100, WEVOM 9300, ZOGAN/3.50 NM TO RW05 8160* TO MIN ALT* ZUBUB 10100, YIDUR 10100, WEVOM 9300, ZOGAN/3.51 NM TO RW05 8180, AFTEL/2.25 NM TO RW05 7780. - FAF MOVED, AFTEL SDF ADDED AND ASTERISK NO LONGER NEEDED PER 8260.19I.
8. PROFILE LINE FIVE 250 HAT CHANGED FROM 0.66 TO 0.63. - NEW EVAL.
9. PROFILE LINE SEVEN CHANGED TCH FROM 40 TO 49. - NEW ALIGNMENT WITH VGSI.
10. PROFILE LINE EIGHT CHANGE MSA FROM 13300 TO 13200. - NEW OBSTACLE EVALUATION.
11. PBN REQUIREMENTS NOTE CHANGED FROM RNA APCH TO RNP APCH-GPS. - 8260.19I COMPLIANCE.
12. CHART PROFILE NOTE REMOVED CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}).
13. ADDITIONAL FLIGHT DATA CHANGED FROM CHART VDP AT 1.74 NM TO RW05* TO CHART VDP AT 1.30 NM TO RW05. - NEW MINIMUMS, ASTERISK NO LONGER NEEDED PER 8260.19I COMPLIANCE.
14. ADDITIONAL LIGHT DATA REMOVED *LNAV ONLY. - 8260.19I COMPLIANCE.
15. ADDITIONAL FLIGHT DATA FAS OBST CHANGED FROM FAS OBST: 7340 AAO 412428N/1065410W. TO FAS OBST: 7224 AAO 412518N/1065146W. - NEW EVALUATION AND MINIMUMS.
16. ADDITIONAL FLIGHT DATA 7:1 OBSTACLE CHANGED FROM 7459 AAO 412442N/1065500W. TO 7400 AAO 412455N/1065454W. - NEW EVALUATION.
17. ADDITIONAL FLIGHT DATA ADDED CHART CIRCLING ICON. - 8260.19I COMPLIANCE.
18. ALTERNATE WEATHER MINIMUMS CHANGED FROM STANDARD - NA WHEN LOCAL WEATHER NOT AVAILABLE. TO STANDARD - CAT D 900-2 3/4, NA WHEN LOCAL WEATHER NOT AVAILABLE. - MINIMUMS CHANGED.
19. MINIMUMS LPV VISIBILITY CHANGED FROM 7/8 TO 3/4. - NEW EVALUATION.
20. MINIMUMS LNAV/VNAV DA/VIS/HAT CHANGED FROM 7513 / 1 3/4 / 499 TO 7546 / 1 1/2 / 532. - NEW OBSTACLE EVALUATION.
21. MINIMUMS LNAV MDA/VIS/HAT CHANGED FROM CATS A/B 7620 / 1 / 606 CATS C/D 7620 / 1 3/4 / 606 TO CATS A/B 7480 / 1 / 466, CATS C/D 7480 / 1 3/8 / 466. - SECOND SDF ADDED TO LOWER MINIMUMS.
22. MINIMUMS CIRCLING MDA/VIS/HAA CHANGED FROM CATS A/B 7620 / 1 / 606 CAT C 7700 / 2 / 686 CAT D 7820 / 2 1/2 / 806 TO CATS A/B 7540 / 1 / 526, CAT C 7740 / 2 / 726, CAT D 7860 / 2 3/4 / 846. - NEW EVAL
23. FAS DATA FPAP LAT/LONG CHANGED FROM 412655.2680N/1064843.6060W TO 412655.2775N/1064843.6115W. - NEW FINAL ALIGNMENT.
24. FAS DATA TCH CHANGED FROM 40 TO 49. - NEW FINAL ALIGNMENT.
25. FAS DATA CRC REMAINDER CHANGED FROM 641A3C74 TO 547F31F4. - NEW FINAL ALIGNMENT.

COORDINATED WITH:

~~AAA~~ ~~ALPA~~ ~~AOPA~~ ~~APA~~ ~~HAI~~ ~~NBAA~~ **OTHER:** ZDV, KSAA AMGR

FLIGHT CHECKED BY

JAMES HAWLEY

Digitally signed by
CASIMIR L TABAKA

Jan 19, 2023

OFFICE

FPO

DATE

01/17/2023

DEVELOPED BY

JOHN KEEFER

Digitally signed by
CASIMIR L TABAKA

Aug 23, 2022

OFFICE

AJV-A432

DATE

07/29/2022

APPROVED BY

CASIMIR TABAKA

Digitally signed by
CASIMIR L TABAKA

Aug 23, 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	KSAA
RUNWAY	RW05
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W05A
LTP/FTP LATITUDE	412618.9960N
LTP/FTP LONGITUDE	1065031.8300W
LTP/FTP ELLIPSOIDAL HEIGHT	+21257
FPAP LATITUDE	412655.2775N
FPAP LONGITUDE	1064843.6115W
THRESHOLD CROSSING HEIGHT (TCH)	00049.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0064
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0
CRC REMAINDER	547F31F4

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K1
LTP ORTHOMETRIC HEIGHT	+21379
FPAP ORTHOMETRIC HEIGHT	+21379