

**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><b>AIRPORT ID</b></u> KSAD	<u><b>PROCEDURE NAME</b></u> RNAV (GPS) RWY 30	<u><b>ORIGINAL/AMENDMENT</b></u> 1	<u><b>CITY</b></u> SAFFORD	<u><b>STATE</b></u> AZ		
<u><b>AIRPORT ELEVATION</b></u> 3178	<u><b>TDZE</b></u> 3169	<u><b>SUPERSEDED</b></u> RNAV (GPS) RWY 30	<u><b>ORIGINAL/AMENDMENT</b></u> ORIG-B	<u><b>DATED</b></u> 05/28/2015	<u><b>MAG VAR</b></u> 12E	<u><b>EPOCH YEAR</b></u> 1985
<u><b>FACILITY</b></u> RNAV	<u><b>COORDINATES OF FACILITIES</b></u>	<u><b>ACTUAL EFFECTIVE DATE</b></u> 30 NOVEMBER 2023	<u><b>REQUIRED EFFECTIVE DATE</b></u> ROUTINE	<u><b>CANCEL/SUSPEND</b></u>		

**TERMINAL ROUTES**

<u><b>FROM</b></u>	<u><b>FIX TYPE</b></u>	<u><b>TO</b></u>	<u><b>FIX TYPE</b></u>	<u><b>LEG TYPE</b></u>	<u><b>FO/FB</b></u>	<u><b>RNP</b></u>	<u><b>COURSE</b></u>	<u><b>DISTANCE</b></u>	<u><b>ALTITUDE</b></u>
SSO VORTAC	IAF	GEDZU		TF	FB	1.00	331.66	23.46	7300
GEDZU	IF	FIMNU		TF	FB	1.00	303.53	4.32	7200
FIMNU		EBVOY		TF	FB	1.00	303.48	4.50	5800
EBVOY	FAF	ZUMMO/3.99 NM TO RW30		TF	FB	0.30	303.45	4.14	
ZUMMO/3.99 NM TO RW30		RW30	MAP	TF	FO	0.30	303.45	3.99	
RW30	MAP	3419 MSL		CA			303.45		
3419 MSL		ARUJU		DF	FB	1.00			
ARUJU		CIBBI		TF	FB	1.00	271.95	16.64	
CIBBI		DEPHE		TF	FO	1.00	206.52	34.66	10000

**MISSED APPROACH**

**MAP:**

LPV: DA  
LNAV/VNAV: DA  
LNAV: RW30

**MISSED APPROACH INSTRUCTIONS:**

CLIMB TO 10000 DIRECT ARUJU AND ON TRACK 271.95 TO CIBBI AND ON TRACK 206.52 TO DEPHE AND HOLD.

**ALTERNATE MISSED APPROACH INSTRUCTIONS:**

QUALITY  
10  
CHECKED

PROFILE:

1. PT

SIDE OF COURSE

OUTBOUND

FT WITHIN

MILES OF

(IAF)

2. PROFILE STARTS AT GEDZU

3. FAC:

303.45

FAF: EBVOY

DIST FAF TO MAP: 8.13

DIST FAF TO THLD: 8.13

4. MIN ALT: GEDZU 7300, FIMNU 7200, EBVOY 5800, ZUMMO/3.99 NM TO RW30 4480

5. DIST TO THLD FROM OM:

MM:

IM:

150 HAT:

250 HAT: 0.66

GS ANT:

6. MIN GP INCPT:

5800

GP ALT AT PFAF :

EBVOY 5800

OM:

MM:

IM:

7. GP ANGLE:

3.00

34:1:

IS CLEAR

20:1:

IS CLEAR

TCH:

40.0

8. MSA FROM: RW30 11800

PBN REQUIREMENTS NOTE:

RNP APCH - GPS.

NOTES:

CHART NOTE: CIRCLING TO RWY 8 NA AT NIGHT.  
CHART NOTE: CIRCLING NA NE OF RWY 12 AND N OF RWY 26.  
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -6°C OR ABOVE 54°C.  
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL ON SSO VORTAC AIRWAY RADIALS 250 CW 273.

ADDITIONAL FLIGHT DATA:

HOLD W, RT, 092.68 INBOUND.  
FAS OBST: 3340 AAO 324808N/1093523W.  
3380 AAO 324822N/1093353W.  
CHART MORENCI MOA.  
CHART VDP AT 1.19 NM TO RW30.  
WAAS CHANNEL # 78316  
REFERENCE PATH ID: W30A  
LTP HAE: 939.2 M

MINIMUMS:

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

ALTERNATE: NA ☐ STANDARD - CAT D 800-2 1/4, NA WHEN LOCAL WEATHER NOT AVAILABLE.

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	3419	3/4	250	3419	3/4	250	3419	3/4	250	3419	3/4	250		QUALITY 10 CHECKED	
LNAV/VNAV DA	3517	1	348	3517	1	348	3517	1	348	3517	1	348			
LNAV MDA	3600	1	431	3600	1	431	3600	1 1/4	431	3600	1 1/4	431			
CIRCLING	3600	1	422	3640	1	462	3640	1 1/2	462	3900	2 1/4	722			

CHANGES - REASONS

1. ADJUSTED GLIDE PATH ANGLE FROM 3.07 DEGREES TO 3.00 DEGREES - BE COINCIDENT WITH VGSI.
2. FIMNU MOVED 990.38 FEET SOUTHEAST - PFAF EBVOY MOVEMENT CAUSED THE MAXIMUM DECENT GRADIENT TO BE EXCEEDED ON THIS SEGMENT. FIMNU NEEDED MOVED TO ADJUST WITHIN MAXIMUM DECENT GRADIENT IAW 8260.3E 2-5-3(B).
3. COURSE INFORMATION FROM GEDZU TO FIMNU CHANGED FROM 303.52 TO 303.53 - FIMNU FIX MOVEMENT.
4. LPV VISIBILITY ALL CATS CHANGED FROM 1 SM TO ¾ SM. - IAW 8260.3 3-3-2 TABLE 3-3-1.
5. LNAV/VNAV DA/HAT CHANGED FROM 3854/685 TO 3517/348 AND VISIBILITY CHANGED FROM 2 ½ TO 1 SM - NEW CONTROLLING OBSTACLE.
6. LNAV MDA/HAT ALL CATEGORIES CHANGED FROM 3860/691 TO 3600/431 - NEW CONTROLLING OBSTACLE.
7. CIRCLING CATEGORY A MDA/HAA CHANGED FROM 3860/681 TO 3600/422 - CIRCLING RESTRICTIONS ADDED TO AVOID HIGHER TERRAIN AND SURVEYED OBSTACLES NORTHEAST OF THE AIRPORT.
8. CIRCLING CATEGORY B MDA/HAA CHANGED FROM 3860/681 TO 3640/462 - CIRCLING RESTRICTIONS ADDED TO AVOID HIGHER TERRAIN AND SURVEYED OBSTACLES NORTHEAST OF THE AIRPORT.
9. REMOVED VGSI AND RNAV GLIDEPATH NOT COINCIDENT NOTE. - GLIDE PATH MOVED TO ALIGN VGSI AND RNAV GLIDEPATHS.
10. ADDED CATEGORIES C & D MINIMUMS TO ALL LINES OF MINIMA - PER AIRPORT MANAGEMENT VIA FLIGHT PROCEDURES TEAM.
11. MSA CHANGED FROM 12000 TO 11800 FEET - CONTROLLING OBSTACLE CHANGE FROM AAO 10920(6A) TO 10777.43(4E).
12. CHANGED COURSE INFORMATION DISTANCE FOR GEDZU TO FIMNU FROM 4.48 TO 4.32 -FIMNU FIX MOVEMENT.
13. CHANGED ZUMMO DESCRIBING DISTANCE DATA FROM 4.0 TO 3.99 TO RW30 - ZUMMO FIX MOVEMENT.
14. LNAV FINAL APPROACH COURSE DISTANCE FOR ZUMMO TO RUNWAY 30 CHANGED FROM 4.00 NM TO 3.99 NM - ZUMMO FIX MOVEMENT.
15. CHANGED EBVOY TO ZUMMO COURSE INFORMATION DISTANCE FROM 3.97 NM TO 4.14 NM. - ZUMMO AND EBVOY FIX MOVEMENT.
16. LNAV/VNAV FINAL APPROACH COURSE DISTANCE CHANGE FROM 7.97 NM TO 8.13 NM. - EBVOY FIX MOVEMENT.
17. CHANGED TCH FROM 36' TO 40' -EBVOY/ZUMMO FIX MOVEMENT CAUSED TCH TO CHANGE.
18. CHANGED LPV FINAL HAT DISTANCE FROM .67 TO .66 - EBVOY/ZUMMO FIX MOVEMENT AND CORRESPONDING GLIDE PATH CHANGED HAT DISTANCE.
19. CHANGED CHARTED VDP FROM 2.06 TO 1.19 - HAT CHANGED FROM 691 TO 431 CAUSED VDP TO MOVE.
20. CHANGED THE MISSED APPROACH DESCRIPTION FROM TRACK 272.24 TO 271.95 - ARUJU FIX MOVEMENT.
21. CHANGED "DME/DME RNP-0.3 NA." NOTE TO "RNP APCH - GPS". - IAW 8260.19I 1-1-5(F)(18) & 8260.19I 8-6-8(B)(2).
22. CHANGED PROCEDURE NOTE "FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -21°C (-5°F) OR ABOVE 54°C (130°F)" TO "FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -6°C OR ABOVE 54°C" - IAW 8260.19I 8-6-9(R).
23. ADDED PROCEDURE NOTE CIRCLING RESTRICTION "CIRCLING NA NE OF RWY 12 AND N OF RWY 26." - IAW 8260.19I 8-6-11 (N)(5)(B).
24. CHANGED CIRCLING RESTRICTION NOTE FROM : "NIGHT LANDING: RWY 8 NA" TO "CIRCLING RWY 8 NA AT NIGHT" - IAW 8260.19I (N)(2)(G).
25. REMOVED LNAV ONLY NOTE AND ASTERISK FROM PROFILE VIEW. - NO LONGER REQUIRED.
26. FAS DATA LTP/FTP LAT/LONG CHANGED FROM 32°50'49.0240N/109°37'42.2205W TO 32°50'49.0225N/109°37'42.2140W - NEW SURVEY DATA.
27. FAS DATA FPAP LAT/LONG CHANGED FROM 32°51'52.5700N/109°38'56.5100 TO 32°51'52.5700N/109°38'56.5100 - GPA CHANGED.
28. CRC REMAINDER CHANGED FROM F339D72A TO 219136AC - FPAP AND LTP LOCATIONS CHANGED.
29. CHART PLANVIEW NOTE CHANGED FROM "PROCEDURE NA FOR ARRIVAL AT SSO ON V94 SOUTHEAST BOUND" TO "PROCEDURE NA ON SSO VORTAC AIRWAY RADIALS 250 CW 273. - IAW 8260.19I 8-2-5(E).
30. FAS OBSTRUCTION CHANGED FROM 3419 AAO 32°48'20N/109°33'31W TO 3340 AAO 32°48'08N/109°35'23W - NEW CONTROLLING OBSTACLE.
31. ADDED 7:1 OBSTACLE 3380 AAO 32°48'22N/109°33'53W - NEW TERRAIN EVALUATION

COORDINATED WITH:

A4A

☐

ALPA

☒

AOPA

☒

APA

☐

HAI

☐

NBAA

☒

OTHER:

ZAB, AMGR.

FLIGHT CHECKED BY

KENNETH E JACK

Digitally signed by

JOHN BORDY

Sep 28, 2023

DEVELOPED BY

RAKE MCGRAW (NICHOLAS PRATER)

Digitally signed by

RAKE MCGRAW

May 12, 2023

OFFICE

FPO

DATE

09/25/2023

OFFICE

AJV-A422

DATE

03/28/2023

OFFICE

AJV-A33

DATE

09/28/2023

APPROVED BY

JOHN BORDY

Digitally signed by

JOHN BORDY

Sep 28, 2023



TITLE

MANAGER

FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KSAD
RUNWAY	RW30
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W30A
LTP/FTP LATITUDE	325049.0225N
LTP/FTP LONGITUDE	1093742.2140W
LTP/FTP ELLIPSOIDAL HEIGHT	+09392
FPAP LATITUDE	325152.5700N
FPAP LONGITUDE	1093856.5100W
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	0920
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0
CRC REMAINDER	219136AC

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K2
LTP ORTHOMETRIC HEIGHT	+09659
FPAP ORTHOMETRIC HEIGHT	+09659

