

**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> KSAD	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 12	<u>ORIGINAL/AMENDMENT</u> 1	<u>CITY</u> SAFFORD	<u>STATE</u> AZ		
<u>AIRPORT ELEVATION</u> 3178	<u>TDZE</u> 3167	<u>SUPERSEDED</u> RNAV (GPS) RWY 12	<u>ORIGINAL/AMENDMENT</u> ORIG-E	<u>DATED</u> 04/21/2022	<u>MAG VAR</u> 12E	<u>EPOCH YEAR</u> 1985
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 30 NOVEMBER 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 23-25.

<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>
SSO VORTAC		BAXKU		TF	FO	1.00	314.80	56.78	8700
DEPHE		CIBBI		TF	FB	1.00	026.29	34.66	9800
CIBBI	IAF	BAXKU	NOPT	TF	FB	1.00	063.11	10.00	8200
BAXKU	IF/IAF	IPHIB		TF	FB	1.00	123.26	4.97	7000
IPHIB		ARUJU		TF	FB	1.00	123.30	4.24	5700
ARUJU	FAF	WUGOD/3.63 NM TO RW12		TF	FB	0.30	123.32	4.21	
WUGOD/3.63 NM TO RW12		RW12	MAP	TF	FO	0.30	123.32	3.63	
RW12	MAP	3417 MSL		CA			123.32		
3417 MSL		EBVOY		DF	FB	1.00			
EBVOY		SSO VORTAC		TF	FO	1.00	143.96	31.52	10000

MISSED APPROACH

MAP:

LPV: DA
LNAV/VNAV: DA
LNAV: RW12

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 10000 DIRECT EBVOY AND ON 143.96 TRACK TO SSO VORTAC AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:

QUALITY
10
CHECKED

PROFILE:

1. PT

SIDE OF COURSE

OUTBOUND

FT WITHIN

MILES OF

(IAF)

2. HOLD NW BAXKU, RT, 123.26 INBOUND, 8200 FT. IN LIEU OF PT (IAF), MAX 14000.

3. FAF: 123.32FAF: ARUJUDIST FAF TO MAP: 7.84DIST FAF TO THLD: 7.84

4. MIN ALT: BAXKU 8200, IPHIB 7000, ARUJU 5700, WUGOD/3.63 NM TO RW12 4360

5. DIST TO THLD FROM OM:MM:IM:150 HAT:250 HAT: 0.66GS ANT:

6. MIN GP INCPT: 5700GP ALT AT PFAF : ARUJU 5700OM:MM:IM:

7. GP ANGLE: 3.0034:1: IS CLEAR20:1: IS CLEARTCH: 40.0

8. MSA FROM: RW12 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 AT SSO VORTAC ON V94 SOUTHEAST BOUND.

ADDITIONAL FLIGHT DATA:

HOLD E, RT, 274.10 INBOUND.
FAS OBST: 3369 AAO 325405N/1094019W.
4560 AAO 325826N/1094346W, 3640 AAO 325451N/1094103W.
CHART MORENCI MOA.
CHART VDP AT 0.98 NM TO RW12.
WAAS CHANNEL # 69516
REFERENCE PATH ID: W12A
LTP HAE: 938.2 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	3417	3/4	250	3417	3/4	250	3417	3/4	250	3417	3/4	250		QUALITY 10 CHECKED	
LNAV/VNAV DA	3417	3/4	250	3417	3/4	250	3417	3/4	250	3417	3/4	250			
LNAV MDA	3520	1	353	3520	1	353	3520	1	353	3520	1	353			
CIRCLING	3580	1	402	3640	1	462	3640	1 1/2	462	3900	2 1/4	722			

CHANGES - REASONS

1. ARUJU MOVED 989.01 FEET NORTHWEST. – ADJUSTED GLIDE PATH ANGLE FROM 3.06° TO 3.00° TO BE COINCIDENT WITH VGSI IAW 8260-3E 2-6-3.
2. WUGOD CHANGED FROM 4480' TO 4360'. – ATC REQUEST PER FPT.
3. LNAV ARUJU TO WUGOD FINAL SEGMENT DISTANCE CHANGED FROM 3.68 TO 4.21 – ARUJU MOVED 989.01 FEET NORTHWEST AND WUGOD MOVED 2242.04 FEET SOUTHEAST.
4. LNAV WUGOD TO LTP FINAL SEGMENT DISTANCE CHANGED FROM 4.00 NM TO 3.63 NM. – WUGOD FIX MOVEMENT.
5. FAF TO MAP/THLD DISTANCE CHANGED FROM 7.68 TO 7.84 – ARUJU MOVED 989.01 FEET NORTHWEST.
6. CHANGED TCH FROM 38' TO 40' – ARUJU/WUGOD FIX MOVEMENT CAUSED GPA AND TCH TO CHANGE.
7. IPHIB TO ARUJU COURSE DISTANCE FROM CHANGED FROM 4.40 NM TO 4.24 NM – ARUJU FIX MOVEMENT.
8. MINIMUM HOLDING ALTITUDE AT BAXKU CHANGED FROM 8100 FEET TO 8200 FEET – NEW CONTROLLING OBSTACLE.
9. LPV VISIBILITY CHANGED FROM 1 SM TO ¾ SM – PER TARGETS BUILD.
10. LNAV/VNAV DA/HAT DECREASED FROM 3635/468 TO 3417/250 AND VISIBILITY FROM 1 ¾ SM TO 3/4 SM. – NO OBSTACLE PENETRATIONS. PREVIOUS MISSED APPROACH CONTROLLING OBSTACLE IS NOW OUTSIDE OF OBSTACLE EVALUATION AREA.
11. LNAV MDA/HAT DECREASED FROM 3700/533 TO 3520/353 – MANUAL TERRAIN STUDY.
12. VDP CHANGED FROM 1.56 TO .98 NM – LNAV HAT CHANGED FROM 533 TO 353.
13. ADDED PROCEDURE NOTE CIRCLING RESTRICTION "CIRCLING NA NE OF RWY 12 AND N OF RWY 26." – IAW 8260.19I 8-6-11 (O)(5).
14. CIRCLING CAT A CMDA/HAA DECREASED FROM 3740/562 TO 3580/402 – NEW CONTROLLING OBSTACLE BASED ON NEW CIRCLING RESTRICTIONS.
15. CIRCLING CAT B CMDA/HAA DECREASED FROM 3760/562 TO 3640/462 – NEW CONTROLLING OBSTACLE BASED ON NEW CIRCLING RESTRICTIONS.
16. ADDED CATEGORIES C & D MINIMUMS TO ALL LINES OF MINIMA – PER AIRPORT MANAGEMENT VIA FLIGHT PROCEDURES TEAM.
17. MSA CHANGED FROM 12000 TO 11800 FEET – NEW CONTROLLING OBSTACLE.
18. CHANGED MISSED APPROACH TRACK FROM 142.85 TO 143.96 – DUE TO EBVOY MOVEMENT.
19. REMOVED LNAV ONLY NOTE AND ASTERISK FROM PROFILE VIEW. – NO LONGER REQUIRED.
20. CHANGE PBN REQUIREMENT NOTE FROM RNP APCH TO RNP APCH – GPS. – PER 8260.19I 8-6-8(B)(2)
21. 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).
22. FAS DATA LTP/FTP LAT/LONG CHANGED FROM 325131.3185/1093831.6600 TO 325131.3225/1093831.6655.
23. FAS DATA FPAP LAT/LONG CHANGED FROM 325027.77/1093717.38 TO 325027.7745/1093717.3810.
24. FAS DATA ELLIPSOIDAL HEIGHT CHANGED FROM +09381 TO +09382.
25. FAS DATA TCH CHANGED FROM 38 TO 40.
26. CRC REMAINDER CHANGED FROM C47FA6BE TO 62951D53. – FPAP AND LTP LOCATIONS CHANGED.
27. ADDED ADDITIONAL FLIGHT DATA NOTE CHART MORENCIA MOA. - ALREADY CHARTED ON RNAV (GPS) RWY 30.

10/20/2023: THIS IS A CORRECTED COPY OF THE FORM APPROVED ON 9/28/2023.

1. CHANGED CHANGES AND REASONS FROM "LNAV/VNAV DA/HAT DECREASED FROM 3635/468 TO 3417/250 AND VISIBILITY FROM 1 ¾ SM TO 1 SM. – NO OBSTACLE PENETRATIONS. PREVIOUS MISSED APPROACH CONTROLLING OBSTACLE IS NOW OUTSIDE OF OBSTACLE EVALUATION AREA." TO "LNAV/VNAV DA/HAT DECREASED FROM 3635/468 TO 3417/250 AND VISIBILITY FROM 1 ¾ SM TO 3/4 SM. – NO OBSTACLE PENETRATIONS. PREVIOUS MISSED APPROACH CONTROLLING OBSTACLE IS NOW OUTSIDE OF OBSTACLE EVALUATION AREA."

COORDINATED WITH:

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

FLIGHT CHECKED BY
KENNETH EARL JACK

Digitally signed by
JOHN BORDY
Oct 20, 2023

OFFICE
FIOG

DATE
09/25/2023

DEVELOPED BY
RAKE MCGRAW (NICHOLAS PRATER)

Digitally signed by
JOHN BORDY
Oct 20, 2023

OFFICE
AJV-A422

DATE
03/28/2023

APPROVED BY
JOHN BORDY

Digitally signed by
JOHN BORDY
Oct 20, 2023

OFFICE
AJV-A33

DATE

TITLE
MANAGER

QUALITY
48
CHECKED

FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KSAD
RUNWAY	RW12
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W12A
LTP/FTP LATITUDE	325131.3225N
LTP/FTP LONGITUDE	1093831.6655W
LTP/FTP ELLIPSOIDAL HEIGHT	+09382
FPAP LATITUDE	325027.7745N
FPAP LONGITUDE	1093717.3810W
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	62951D53

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K2
LTP ORTHOMETRIC HEIGHT	+09649
FPAP ORTHOMETRIC HEIGHT	+09649

