# 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 ID KTUS		PROCEDURE NAME RNAV (GPS) RWY 4	OF	RIGINAL/AMEI 1C	NDMENT		CIT TUCS		<u>STATE</u> AZ	
AIRPORT ELEVATION 2643	<b>TDZE</b> 2572		<u>SUPERSEDE</u> RNAV (GPS) RV			ORIGINAL	<b>JAMENDMENT</b> 1B	<u>DATED</u> 07/15/2021	<u>MAG VAR</u> 9E	EPOCH YEAR 2025
FACILITY RNAV	COORDINATES OF F		EFFECTIVE DATE DVEMBER 2023		<u>REQUI</u>	RED EFFE ROUT	E <b>CTIVE DATE</b> NE	<u>CANCEL/SL</u>	<u>JSPEND</u>	
TERMINAL ROUTES										
FROM	FIX TYPE	TO	FIX TYPE	LEG TYPE	FO/FB	<u>RNP</u>	COUR	<u>SE</u>	DISTANCE	ALTITUDE
ALMON		NEVZI		TF	FB	1.00	134.2	8	16.39	7000
MAVVA		NEVZI		TF	FB	1.00	162.1	7	12.24	7000
SULLI	IAF	ZIMSA		TF	FB	1.00	249.9	2	14.00	7700
ZIMSA		COBOB		TF	FB	1.00	249.7	7	10.57	5800
COBOB		AXESE		TF	FB	1.00	322.3	9	7.77	5800
NEVZI	IAF	CEBIL		TF	FB	1.00	149.1	5	10.00	5800
CEBIL		AXESE		TF	FB	1.00	103.6	3	6.27	5800
AXESE	IF	TIXIE		TF	FB	1.00	032.9	6	3.69	5000
TIXIE		OGENE		TF	FB	1.00	032.9	8	2.50	4500
OGENE	FAF	RW04	MAP	TF	FO	0.30	033.0	0	5.92	
RW04	MAP	3500 MSL		CA			033.0	0		3500
3500 MSL		PIMMA		DF	FO	1.00				6500

<u>AIRPORT ID</u>	PROCEDURE NAME	ORIGINAL/AMENDMENT	<u>CITY</u>	<u>STATE</u>	
KTUS	RNAV (GPS) RWY 4	1C	TUCSON	AZ	
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# MISSED APPROACH

MAP: LNAV/VNAV: DA LNAV: RW04

#### **MISSED APPROACH INSTRUCTIONS:**

CLIMB TO 3500 THEN CLIMBING LEFT TURN TO 6500 DIRECT PIMMA AND HOLD.

#### ALTERNATE MISSED APPROACH INSTRUCTIONS:

PROF	FILE .
FRUI	

PROFILE:								
1. PT SIDE OF COURSE	OU	TBOUND	FT WI	THIN	MILES OF	(IAF)		
<b>2.</b> PROFILE STARTS AT AXESE								
<b>3. FAC:</b> 033.00	FAF: OGEN	E	DI	ST FAF TO N	<b>IAP:</b> 5.92	DIST FAF TO THLD: 5.92		
4. MIN ALT: AXESE 5800, TIXIE	5000, OGENE 4500							
5. DIST TO THLD FROM OM:	MM:	IM:	150 HAT:	71	2 HAT: 2.08	GS ANT:		
6. MIN GP INCPT: 4500	GP ALT AT PFAF :	OGENE 4500			OM:	MM:	IM:	
<b>7. GP ANGLE:</b> 3.00	34:1: IS NOT CLEAR	20:1: IS CLE	AR	TCH: 50.0	)			
8. MSA FROM: RW04 10700								

#### PBN REQUIREMENTS NOTE:

RNP APCH - GPS.

#### NOTES:

CHART NOTE: RWY 4 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED. CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -2°C OR ABOVE 54°C.

# ADDITIONAL FLIGHT DATA:

HOLD SE, RT, 310.93 INBOUND. FAS OBST: 2919 AAO 320304N/1110115W. 3139 AAO 320151N/1110103W. CHART VDP AT 1.78 NM TO RW04. CHART PLANVIEW NOTE: FINAL APPROACH COURSE OFFSET 3.00 DEGREES.

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# MINIMUMS:

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

ALTERNATE: NA

CAT A, B, C 800-2 1/2, CAT D 1100-3

CATEGORY:		Α			В			С			D			Е	
FINAL TYPE	DA/MDA	VIS	HAT/HAA	DA/MDA	VIS	HAT/HAA									
LNAV/VNAV DA	3284	2 1/2	712	3284	2 1/2	712	3284	2 1/2	712	3284	2 1/2	712			
LNAV MDA	3180	1	608	3180	1	608	3180	1 3/4	608	3180	1 3/4	608			
CIRCLING	3180	1	537	3220	1	577	3220	1 3/4	577	3660	3	1017			

### **CHANGES - REASONS**

1. CHANGED ALL COURSES INCREASING 3 DEGREES - MAG VAR UPDATED FROM 12 E TO 9E.

2. CHANGED PROCEDURE NAME FROM RNAV (GPS) RWY 3 TO RNAV (GPS) RWY 4 - RWY RENUMBERED.

3. UPDATED HELICOPTER NOTE FROM HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED TO RWY 4 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED.

4. ADDED PBN REQUIREMENT NOTE: RNP APCH-GPS - PBN NAVSPEC AND SENSOR REQUIREMENTS.

5. DELETED DME/DME RNP- 0.30 NA - ADDED PBN REQUIREMENT NOTE.

6. ADDED 20:1 IS CLEAR- NO PENETRATIONS.

7. UPDATED CHART NOTE: UNCOMPENSATED BARO-VNAV SYSTEMS LNAV/VNAV NA BELOW -20C (-4F) OR ABOVE27C (80F) TO -2C OR ABOVE 54C - NEW WEATHER COMPUTATIONS FROM YEARS 2018-2022.

8. INCORPORATED P-NOTAMS 1A AND 1B.

9. DELETED CHART FAS OBST: 2909 TREE 320626N/1105909W - LNAV/VNAV CONTROLLER NO LONGER CHARTED.

10. ADDED COURSE TO CA LEG - IAW 8260.19I 4-6-5 D.

11. ADDED PROCEDURE NA NOTES A SULLI AND ALMON - TURNS IN EXCESS TO 90 DEGREES NOT ALLOWED.

12. CHANGED VDP REFERENCE TO RWY 4 - RWY UPDATE.

13. MOVED DISTANCE TO THLD FROM 712 HAT FROM ADDITIONAL FLIGHT DATA TO LINE 5 - IAW 8260-9I 8-6-7 E (3)

14. REMOVED \* FROM VDP AND "LNAV ONLY IN ADDITIONAL FLIGHT DATA - NO LONGER REQUIRED BY CRITERIA.

# **COORDINATED WITH:**

NBAA X A4A X AOPA X OTHER: ZAB, TUS ATCT, AZ AERO, AMGR. TUS APP CON

# FLIGHT CHECKED BY

FLIGHT CHECKED BY PROCESSED IAW TECHNICAL S FOR PROCEDURAL CHANGES F		OFFICE Digitally sign CASIMIR L T	-	
DEVELOPED BY JOSEPH L. ZEDER		Digitally signed by CASIMIR L TABAKA	OFFICE AJV-A432	023 DATE 08/03/2023
APPROVED BY CASIMIR TABAKA	Digitally signed by CASIMIR L TABAKA	Sep 20, 2023	OFFICE AJV-A432	DATE

Sep 20, 2023

TITLE MANAGER