

**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> KTUS	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 4	<u>ORIGINAL/AMENDMENT</u> 1C	<u>CITY</u> TUCSON	<u>STATE</u> AZ		
<u>AIRPORT ELEVATION</u> 2643	<u>TDZE</u> 2572	<u>SUPERSEDED</u> RNAV (GPS) RWY 3	<u>ORIGINAL/AMENDMENT</u> 1B	<u>DATED</u> 07/15/2021	<u>MAG VAR</u> 9E	<u>EPOCH YEAR</u> 2025
<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**

<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>
ALMON		NEVZI		TF	FB	1.00	134.28	16.39	7000
MAVVA		NEVZI		TF	FB	1.00	162.17	12.24	7000
SULLI	IAF	ZIMSA		TF	FB	1.00	249.92	14.00	7700
ZIMSA		COBOB		TF	FB	1.00	249.77	10.57	5800
COBOB		AXESE		TF	FB	1.00	322.39	7.77	5800
NEVZI	IAF	CEBIL		TF	FB	1.00	149.15	10.00	5800
CEBIL		AXESE		TF	FB	1.00	103.63	6.27	5800
AXESE	IF	TIXIE		TF	FB	1.00	032.96	3.69	5000
TIXIE		OGENE		TF	FB	1.00	032.98	2.50	4500
OGENE	FAF	RW04	MAP	TF	FO	0.30	033.00	5.92	
RW04	MAP	3500 MSL		CA			033.00		3500
3500 MSL		PIMMA		DF	FO	1.00			6500





**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:	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
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 ABOVE 27C (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:**A4A ☒ ALPA ☒ AOPA ☒ APA ☒ HAI ☐ NBAA ☒ OTHER: ZAB, TUS ATCT, AZ AERO, AMGR. TUS APP CON**FLIGHT CHECKED BY**

PROCESSED IAW TECHNICAL SUPPORT GROUP (AJF-17) MEMO DATED 07/07/2021 GUIDANCE FOR PROCEDURAL CHANGES REQUIRING FLIGHT INSPECTION/VALIDATION

**OFFICE**

Digitally signed by

**DATE**

CASIMIR L TABAKA

Sep 22, 2023

**OFFICE**

AJV-A432

**DATE**

08/03/2023

**DEVELOPED BY**

JOSEPH L. ZEDER

Digitally signed by

CASIMIR L TABAKA

Sep 20, 2023

**APPROVED BY**

CASIMIR TABAKA

Digitally signed by

CASIMIR L TABAKA

Sep 20, 2023

**OFFICE**

AJV-A432

**DATE****TITLE**

MANAGER