

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) Z RWY 12	<u>ORIGINAL/AMENDMENT</u> ORIG	<u>CITY</u> TUCSON	<u>STATE</u> AZ		
<u>AIRPORT ELEVATION</u> 2643	<u>TDZE</u> 2599	<u>SUPERSEDED</u>	<u>ORIGINAL/AMENDMENT</u> NONE	<u>DATED</u>	<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> 11/30/2023	<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>
DINGO		TACUB		TF	FB	1.00	097.65	11.91	8000
OTUKE	IAF	LIPTE	NOPT	TF	FB	1.00	215.96	6.00	7000
TACUB	IAF	LIPTE	NOPT	TF	FB	1.00	125.83	11.35	7000
LIPTE	IF/IAF	WASON		TF	FB	1.00	125.92	4.96	5700
WASON		CALLS		TF	FB	1.00	125.95	2.33	5200
CALLS		POCIB		TF	FB	1.00	125.99	1.90	4600
POCIB	FAF	RW12	MAP	TF	FO	0.30	125.98	6.18	
RW12	MAP	2799 MSL		CA			125.98		
2799 MSL		CURGA		DF	FB	1.00			
CURGA		REBDE		TF	FB	1.00	216.04	13.86	
REBDE		TOYOP		TF	FO	1.00	305.00	14.50	9000

MISSED APPROACH

MAP:

LPV: DA
 LNAV/VNAV: DA
 LNAV: RW12

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 9000 DIRECT CURGA AND CLIMBING RIGHT TURN ON 216.04 TRACK TO REBDE AND CLIMBING RIGHT TURN ON 305.00 TRACK TO TOYOP AND HOLD, CONTINUE CLIMB-IN-HOLD TO 9000.

ALTERNATE MISSED APPROACH INSTRUCTIONS:

QUALITY
20
CHECKED

PROFILE:

1. PT

SIDE OF COURSE

OUTBOUND

FT WITHIN

MILES OF

(IAF)

2. HOLD NW LIPTE, RT, 125.92 INBOUND, 7000 FT. IN LIEU OF PT (IF/IAF), MAX 10000.

3. FAC: 125.98

FAF: POCIB

DIST FAF TO MAP: 6.18

DIST FAF TO THLD: 6.18

4. MIN ALT: LIPTE 7000, WASON 5700, CALLS 5200, POCIB 4600

5. DIST TO THLD FROM OM:

MM:

IM:

150 HAT:

200 HAT: 0.52

GS ANT:

6. MIN GP INCPT: 4600

GP ALT AT PFAF : POCIB 4600

OM:

MM:

IM:

7. GP ANGLE: 3.00

34:1: IS CLEAR

20:1: IS CLEAR

TCH: 55.4

8. MSA FROM: RW12 10600

PBN REQUIREMENTS NOTE:

RNP APCH - GPS.

NOTES:

CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -2°C OR ABOVE 54°C.
CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}).
CHART NOTE: FOR INOPERATIVE ALS, INCREASE LNAV/VNAV ALL CATS VISIBILITY TO RVR 4500, AND INCREASE LNAV CATS C/D VISIBILITY TO 2 SM.
CHART SPEED ICON IN PLANVIEW AT OTUKE: MAX 210 KIAS.

ADDITIONAL FLIGHT DATA:

CHART AT OR ABOVE 12000 AT DINGO.
CHART MANDATORY 7000 AT OTUKE.
HOLD W, RT, 093.00 INBOUND.
CHART FAS OBST: 3040 AAO 321053N/1110148W.
3360 AAO 321114N/1110303W.
CHART VDP AT 2.03 NM TO RW12.
WAAS CHANNEL # 93545
REFERENCE PATH ID: W12A
LTP HAE: 756.2 M

MINIMUMS:

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

ALTERNATE: NA ☐ STANDARD - CAT D 1000-3

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
LPV DA	2799	2400	200	2799	2400	200	2799	2400	200	2799	2400	200			
LNAV/VNAV DA	2905	2400	306	2905	2400	306	2905	2400	306	2905	2400	306			
LNAV MDA	3300	2400	701	3300	2400	701	3300	1 5/8	701	3300	1 5/8	701			
CIRCLING	3300	1	657	3300	1	657	3300	2	657	3640	3	997			



CHANGES - REASONS
ORIGINAL PROCEDURE.

10/12/2023: THIS IS A CORRECTED COPY OF THE FORM APPROVED ON 09/14/2023.
1. REMOVED DINGO 12000 FROM PROFILE.

COORDINATED WITH:

A4A ☒ ALPA ☒ AOPA ☒ APA ☒ HAI ☐ NBAA ☒ OTHER: ZAB, U90 (TUS TRACON), TUS ATCT, AZ AERO, AMGR, NGB/A306 (ANG)

FLIGHT CHECKED BY
PENDING

Digitally signed by
ERIC N SUSKI
Sep 14, 2023

OFFICE

DATE

DEVELOPED BY
PARNELL PRASSADA

Digitally signed by
PARNELL R PRASSADA
Aug 29, 2023

OFFICE
AJV-A431

DATE
08/16/2023

APPROVED BY
JOHNNIE BAKER

Digitally signed by
ERIC N SUSKI
Sep 14, 2023

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	KTUS
RUNWAY	RW12
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	Z
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W12A
LTP/FTP LATITUDE	320724.1285N
LTP/FTP LONGITUDE	1105652.4850W
LTP/FTP ELLIPSOIDAL HEIGHT	+07562
FPAP LATITUDE	320607.1495N
FPAP LONGITUDE	1105522.1320W
THRESHOLD CROSSING HEIGHT (TCH)	00055.4
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0000
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	35.0
CRC REMAINDER	00A5D894

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K2
LTP ORTHOMETRIC HEIGHT	+07857
FPAP ORTHOMETRIC HEIGHT	+07857