

**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</u> CASA GRANDE MUNI	<u>AIRPORT ID</u> KCGZ	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 5	<u>ORIGINAL/AMENDMENT</u> 1	<u>CITY</u> CASA GRANDE	<u>STATE</u> AZ
<u>AIRPORT ELEVATION</u> 1464	<u>TDZE</u> 1458	<u>SUPERSEDED</u> GPS RWY 5	<u>ORIGINAL/AMENDMENT</u> ORIG-D	<u>DATED</u> 11/13/2014	<u>MAG VAR</u> 12E
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 13 SEPTEMBER 2018	<u>REQUIRED EFFECTIVE DATE</u> ROUTINE	<u>CANCEL/SUSPEND</u>	<u>EPOCH YEAR</u> 2000

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>
TFD VORTAC	IF/IAF	ROXIE		TF	FB	1.00	048.33	2.47	3200
ROXIE	FAF	RW05	MAP	TF	FO	0.30	047.86	5.38	
RW05	MAP	2000 MSL		CA			047.86		2000
2000 MSL		TFD VORTAC		DF	FO	1.00			5900

MISSED APPROACH

MAP:

LPV: DA
LNAV/VNAV: DA
LNAV: RW05

MISSED APPROACH INSTRUCTIONS:

(DO NOT EXCEED 240 KIAS UNTIL TFD VORTAC) CLIMB TO 2000 THEN CLIMBING RIGHT TURN TO 5900 DIRECT TFD VORTAC. CONTINUE CLIMB IN HOLD TO 5900.

ALTERNATE MISSED APPROACH INSTRUCTIONS:

PROFILE:

1. PT **SIDE OF COURSE** **OUTBOUND** **FT WITHIN** **MILES OF (IAF)**
2. HOLD SW STANFIELD VORTAC, RT, 048.33 INBOUND, 3800 FT. IN LIEU OF PT (IAF), MAX 10000.
3. **FAC:** 047.86 **FAF:** ROXIE **DIST FAF TO MAP:** 5.38 **DIST FAF TO THLD:** 5.38
4. **MIN ALT:** TFD VORTAC 3800, ROXIE 3200
5. **DIST TO THLD FROM OM:** **MM:** **IM:** **150 HAT:** **250 HAT:** 0.66 **GS ANT:**
6. **MIN GP INCPT:** 3200 **GP ALT AT FAF :** ROXIE 3200 **OM:** **MM:** **IM:**
7. **GP ANGLE:** 3.00 **34:1:** IS CLEAR **20:1:** IS CLEAR **TCH:** 40.0
8. **MSA FROM:** RW05 5800

PBN REQUIREMENTS NOTE:



RNP APCH.

NOTES:

CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -17C OR ABOVE 54C.
 CHART NOTE: CIRCLING NA FOR CAT C AND D NW OF RWY 5-23.
 CHART NOTE: FOR INOPERATIVE ALS, INCREASE LNAV CAT C/D VISIBILITY TO 1 SM.

ADDITIONAL FLIGHT DATA:

CHART CIRCLING ICON.
 CHART VDP AT 0.98 NM TO RW05*
 *LNAV ONLY
 WAAS CHANNEL #61042
 REFERENCE PATH ID: W05A
 CHART FAS OBST: 1547 TREE 325621N/1114912W.
 LTP HAE: 410.9 M

MINIMUMS:

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

ALTERNATE: NA STANDARD - CAT D 800-2 1/2

CATEGORY:	A			B			C			D			E			
	FINAL TYPE	DA/MDA	VIS	HAT/HAA												
LPV DA	1708	1/2	250	1708	1/2	250	1708	1/2	250	1708	1/2	250				
LNAV/VNAV DA	1708	1/2	250	1708	1/2	250	1708	1/2	250	1708	1/2	250				
LNAV MDA	1800	1/2	342	1800	1/2	342	1800	5/8	342	1800	5/8	342				
CIRCLING	1960	1	496	1960	1	496	1960	1 1/2	496	2260	2 1/2	796				



CHANGES - REASONS

1. PROCEDURE NAME FROM GPS RWY 5 TO RNAV (GPS) RWY 5. - PROCEDURE NAMING 8260.3C 1-6-2. (2)(A).
2. PFAF MOVED FROM TFD VORTAC TO ROXIE, DIST FAF TO MAP/THLD CHANGED FROM 7.85 TO 5.38. - TO MATCH THE ILS OR LOC RWY 5 PROCEDURE.
3. REMOVED S-5 MINIMUMS AND ADDED NEW LPV, LNAV/VNAV AND LNAV MINIMUMS. - AIRPORT SURVEY AND AIRPORT REQUESTED.
4. ADDED CAT C AND D STRAIGHT IN AND CIRCLING MINIMUMS TO PROCEDURE. - AIRPORT REQUESTED.
5. MISSED APPROACH: INSTRUCTIONS CHANGED FROM "CLIMBING RIGHT TURN TO 5600 DIRECT TFD VORTAC AND HOLD" TO "(DO NOT EXCEED 240 KIAS UNTIL TFD VORTAC) CLIMB TO 2000 THEN CLIMBING RIGHT TURN TO 5900 DIRECT TFD VORTAC AND HOLD, CONTINUE CLIMB-IN-HOLD TO 5900. - ATC REQUEST THAT THE MISSED APPROACH BE HIGHER DUE TO MOUNTAIN.
6. FAC FROM 047.99 TO 047.86. - NEW PFAF CALCULATIONS AND LOCATION.
7. ADDED CHART CIRCLING ICON. - NEW CIRCLING CRITERIA IS APPLIED.
8. ADDED PBN EQUIPMENT REQUIREMENTS NOTE "RNP APCH". - NEW FORM REQUIREMENT.
9. MSA ALTITUDE UPDATED FROM 5700 TO 5800. - NEW CONTROLLING OBSTACLE.
10. HOLD-IN-LIEU CHANGED FROM "HOLD S OF TFD VORTAC, RT, 018.00 INBOUND 4500 FT IN LIEU OF PT (IAF)" TO "HOLD SE TFD VORTAC, RT, 48.33 INBOUND, 3700FT. IN LIEU OF PT (IF/IAF)". - ATC REQUESTED.
11. CIRCLING MDA/HAT CAT A/B CHANGED FROM 1880/418 TO 1960/496. - NEW CIRCLING CRITERIA AND NEW CONTROLLING OBSTACLE.
12. REMOVED CIRCLING TO RWY 23 NA AT NIGHT. - NO VISUAL SURFACE PENETRATIONS EXIST.
13. REMOVED HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NA. - NO VISUAL SURFACE PENETRATIONS EXIST.
14. VDP CHANGED FROM 1.23 NM TO RW05 TO .98 NM TO RW05 - MDA LOWERED.
15. ALTERNATE MINIMUMS ADDED. - KCGZ WEATHER IS CONNECTED TO WMSCR.
16. ALS INOP NOTE CHANGED FROM FOR INOPERATIVE MALSR, INCREASE S-5 CATS A/B VISIBILITY TO 1 MILE TO FOR INOPERATIVE ALS, INCREASE LNAV CAT C/D VISIBILITY TO 1 SM. -FAAO 8260.3C, CHAPTER 3, SECTION 3-3-2.

06/28/18: THIS IS AN UPDATED COPY OF THE FORM DEVELOPED ON 06/16/18.

1. COURSE WIDTH IN FAS DATA CHANGED FROM 143.75 TO 106.75.
2. CRC REMAINDER CHANGED FROM D2B13542 TO CE0DDE5D.

PDF EDITS:

1. ADD DIST TO MAP AND CORRECT DIST TO THLD ON LINE 3 OF PROFILE VIEW.
2. DELETE REDUNDANT NEW CIRCLING CRITERIA NOTE IN GENERAL REMARKS.
3. ADD SEGMENT REMARKS TO ALL MISSED SEGMENTS IN 8260-9.



COORDINATED WITH:

A4A ALPA AOPA APA HAI NBAA OTHER: ZAB, PRC FSS, AMGR, ATA

FLIGHT CHECKED BY *Digitally signed by*
JAMES M MEEK **DONALD H LANIER**
Aug 07, 2018

OFFICE
FICO
DATE
8/4/18

DEVELOPED BY *Digitally signed by*
LIAM DONAHUE **LIAM DONAHUE**
Jun 28, 2018

OFFICE
AJV-5431
DATE
06/16/2018

APPROVED BY *Digitally signed by*
PATRICK MULQUEEN **DONALD H LANIER**
Aug 07, 2018

OFFICE
AJV-5430
DATE
TITLE
MANAGER



FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KCGZ
RUNWAY	RW05
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W05A
LTP/FTP LATITUDE	325704.7375N
LTP/FTP LONGITUDE	1114626.9495W
LTP/FTP ELLIPSOIDAL HEIGHT	+04109
FPAP LATITUDE	325749.4865N
FPAP LONGITUDE	1114455.3205W
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	1168
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0
CRC REMAINDER	CE0DDE5D

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K2
LTP ORTHOMETRIC HEIGHT	+00441
FPAP ORTHOMETRIC HEIGHT	+00441

