

**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> P08	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 23	<u>ORIGINAL/AMENDMENT</u> 1	<u>CITY</u> COOLIDGE	<u>STATE</u> AZ		
<u>AIRPORT ELEVATION</u> 1576	<u>TDZE</u> 1576	<u>SUPERSEDED</u> GPS RWY 23	<u>ORIGINAL/AMENDMENT</u> ORIG-A	<u>DATED</u> 10/08/2020	<u>MAG VAR</u> 12E	<u>EPOCH YEAR</u> 1985
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 27 JANUARY 2022	<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>
ITEMM		BOCPO		TF	FB	1.00	300.26	28.31	7000
CROME		BOCPO		TF	FB	1.00	028.27	14.14	7000
BOCPO	IAF	DARAY	NOPT	TF	FB	1.00	300.86	12.93	5800
DARAY	IF/IAF	JEBIL		TF	FB	1.00	228.37	3.50	4700
JEBIL		ROCQO		TF	FB	1.00	228.33	3.50	3600
ROCQO	FAF	MAFOY/2.18 NM TO RW23		TF	FB	0.30	228.30	4.02	
MAFOY/2.18 NM TO RW23		RW23	MAP	TF	FO	0.30	228.30	2.18	
RW23	MAP	2100 MSL		CA			228.30		2100
2100 MSL		TOTEC		DF	FO	1.00			3900

MISSED APPROACH

MAP:

LPV: DA
LNAV/VNAV: DA
LNAV: RW23

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 2100 THEN CLIMBING LEFT TURN TO 3900 DIRECT TOTEC AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:

QUALITY
2
CHECKED

PROFILE:

1. PT SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)

2. HOLD NE DARAY, LT, 243.07 INBOUND, 5800 FT. IN LIEU OF PT (IAF), MAX 5800.

3. FAF: 228.30 FAF: ROCQO DIST FAF TO MAP: 6.20 DIST FAF TO THLD: 6.20

4. MIN ALT: DARAY 5800, JEBIL 4700, ROCQO 3600, MAFOY/2.18 NM TO RW23 2320

5. DIST TO THLD FROM FAF: 6.20 MM: IM: 150 HAT: 250 HAT: 0.63 GS ANT:

6. MIN GP INCPT: 3600 GP ALT AT PFAF : ROCQO 3600 OM: MM: IM:

7. GP ANGLE: 3.00 34:1: IS CLEAR 20:1: IS CLEAR TCH: 49.3

8. MSA FROM: RW23 6700

PBN REQUIREMENTS NOTE:

RNP APCH - GPS.

NOTES:

CHART NOTE: CIRCLING RWY 17, 35 NA AT NIGHT.
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -18°C OR ABOVE 54°C.

ADDITIONAL FLIGHT DATA:

CHART: R-2310A/B/C
HOLD NE, RT, 226.54 INBOUND.
CHART FAS OBST: 1655 TREE (04-038609) 325650N/1112311W.
FAS OBST: 2069 AAO 325839N/1111754W.
CHART VDP AT 0.92 NM TO RW23.
WAAS CHANNEL # 78044
REFERENCE PATH ID: W23A
CHART CIRCLING ICON.
LTP HAE: 450.8 M

MINIMUMS:

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

ALTERNATE: NA ☐ STANDARD - 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	1826	3/4	250	1826	3/4	250		NA			NA				
LNAV/VNAV DA	1826	3/4	250	1826	3/4	250		NA			NA				
LNAV MDA	1920	1	344	1920	1	344		NA			NA				
CIRCLING	2100	1	524	2100	1	524		NA			NA				



CHANGES - REASONS

1. UPDATED PROCEDURE NAME FROM "GPS RWY 23" TO "RNAV (GPS) RWY 23" - CURRENT NAMING CONVENTION, IAW 8260.3E, 1-6-2.A.(2).A.
2. TDZE UPDATED FROM "1574" TO "1576" - AIRNAV DATA.
3. TERMINAL ROUTES, REMOVED "TOTEC INT TO ROCQO" FEEDER ROUTE - PER FPT REQUEST.
4. TERMINAL ROUTES, ADDED FEEDER SEGMENTS ITEM TO BOCPO 300.26/28.31 AT 7000 AND CROME TO BOCPO 028.27/14.14 AT 7000 - PER FPT REQUEST.
5. TERMINAL ROUTES, ADDED INITIAL SEGMENT BOCPO TO DARAY, NOPT 300.86/12.93 AT 5800 - PER FPT REQUEST.
6. TERMINAL ROUTES, ADDED INTERMEDIATE SEGMENT DARAY TO JEBIL 228.37/3.50 AT 4700 - PER FPT REQUEST.
7. TERMINAL ROUTES, ADDED INTERMEDIATE STEPDOWN SEGMENT JEBIL TO ROCQO 228.33/3.50 AT 3600 - STEPDOWN ADDED DUE TO AIRSPACE TERRAIN IN INTERMEDIATE SEGMENT.
8. TERMINAL ROUTES, UPDATED FINAL SEGMENT FROM ROCQO TO 2.00 NM TO SUTBY 228.12/4.00 TO ROCQO TO MAFOY/2.18 NM TO RW23 228.30/4.02 - NAMED STEPDOWN FIX AND UPDATED LOCATION.
9. TERMINAL ROUTES, UPDATED FINAL STEPDOWN SEGMENT FROM 2.00 NM TO SUTBY TO SUTBY 228.12/2.00 TO MAFOY/2.18 NM TO RW23 TO RW23 228.30/2.18 - RENAMED FINAL STEPDOWN FIX AND REMOVED MISSED APPROACH POINT FIX.
10. TERMINAL ROUTES, ADDED CA LEG RW23 TO 2100 MSL 228.30 AT 2100 - IAW 8260.19I 8-6-6.B, SECTION 2 MISSED ROUNDED TO 100FT INCREMENT.
11. MISSED APPROACH INSTRUCTIONS, UPDATED FROM "CLIMB TO 3900 VIA 227 COURSE TO TOTEC AND HOLD" TO "CLIMB TO 2100 THEN CLIMBING LEFT TURN TO 3900 DIRECT TOTEC AND HOLD" - PER FPT REQUEST.
12. PROFILE LINE 2, UPDATED FROM "HOLD E ROCQO WP, LT 238.12 INBOUND, 3900 FT. IN LIEU OF PT (IAF)" TO "HOLD NE DARAY, LT, 243.07 INBOUND, 5800 FT, IN LIEU OF PT (IAF), MAX 5800" - PER FPT REQUEST, HOLDING MOVED FROM FAF TO IF IAW 8260.3E 16-10-3.
13. PROFILE LINE 3, ADDED DIST FAF TO MAP: "6.20" AND UPDATED DIST FAF TO THLD: FROM "6.00" TO "6.20" - IAW 8260.19I 8-6-7.C, TARGETS CALCULATED DISTANCE.
14. PROFILE LINE 4, MIN ALT: UPDATED FROM "ROCQO WP 3900, 2.0 ATD FROM STUBY WP 2340" TO "DARAY 5800, JEBIL 4700, ROCQO 3600, MAFOY/2.18 TO RW23 2320" - HIL MOVED FROM ROCQO TO DARAY IAW 8260.3E 16-10-3, 8260.19I 8-6-7.D.
15. PROFILE LINE 5, ADDED "DIST TO THLD FROM FAF: 6.20" AND "250 HAT: 0.63" - IAW 8260.19I 8-6-7.E, TARGETS CALCULATED DISTANCE.
16. PROFILE LINE 6, ADDED "MIN GP INCPT: 3600" AND "GP ALT AT PFAF: ROCQO 3600" - IAW 8260.19I 8-6-7.F.
17. PROFILE LINE 7, ADDED "GP ANGLE: 3.00" AND "TCH: 49.3" - IAW 8260.3E 2-6-3, PROCEDURE DESIGNED TO MATCH VGSI ANGLE AND TCH, PREVIOUS AMENDMENT DID NOT HAVE A PUBLISHED GP ANGLE AND TCH.
18. PROFILE LINE 7, ADDED 20:1 IS CLEAR AND 34:1 IS CLEAR - 20:1 AND 34:1 EVALUATIONS ARE CLEAR, IAW 8260.19I 8-6-7.G(3).A.
19. PROFILE LINE 8, UPDATED MSA FROM "SUTBY WP 6700" TO "RW23 6700" - MAP/THLD POINT REMOVED, IAW 8260.3E 2-3-2.B(2).
20. PBN REQUIREMENTS NOTE, ADDED "RNP APCH - GPS" - IAW 8260.19I 8-6-8.B(1).
21. NOTES, UPDATED "CIRCLING RWY 17-35 NA AT NIGHT" TO "CIRCLING RWY 17, 35 NA AT NIGHT" - UPDATED FORMAT IAW 8260.19I 8-6-11.O(2).G, 20:1 PENETRATIONS EXIST FOR RWY 17, 35.
22. NOTES, REMOVED "WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE CASA GRANDE ALTIMETER SETTING AND INCREASE ALL MDAS 60 FT" - UPDATED AND MOVED TO -9 AS CONTINGENCY.
23. NOTES, ADDED "CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -18°C AND ABOVE 54°C" - ADDITION OF LNAV/VNAV MINIMUMS AND IAW 8260.19I 8-6-9.R.
24. ADDITIONAL FLIGHT DATA, UPDATED MISSED APPROACH HOLDING FROM "HOLD NE, RT, 227 INBOUND" TO "HOLD NE, RT, 226.54 INBOUND" - HOLDING ALIGNED TO MISSED APPROACH COURSE DUE TO FEEDER BEING REMOVED AT TOTEC, IAW 8260.3E 16-9-2.
25. ADDITIONAL FLIGHT DATA, UPDATED FAS OBSTACLE FROM "FAS OBST: 1750 TREES 325700/1112223" TO "CHART FAS OBST: 1655 TREE (04-038609) 325650N/1112311W" - NEW CONTROLLING OBSTACLE IDENTIFIED, IAW 8260.19I 8-6-10.C.
26. ADDITIONAL FLIGHT DATA, ADDED 7:1 OBSTACLE "FAS OBST: 2069 AAO 325839N/1111754W" - IAW 8260.3E 2-9-10 APPLIED TO LOWER SDF ALTITUDE AT ROCQO, DOCUMENTED IAW 8260.19I 8-6-10.E(2).
27. ADDITIONAL FLIGHT DATA, ADDED VDP "CHART VDP AT 0.92 NM TO RW23" - IAW 8260.3E 2-6-5.
28. ADDITIONAL FLIGHT DATA, ADDED "WAAS CHANNEL 78044", "REFERENCE PATH ID: W23A", AND "LTP HAE: 450.8 M" - LPV MINIMUMS ADDED, IAW 8260.19I 8-6-10.J.
29. ALTERNATE MINIMUMS, ADDED "STANDARD - NA WHEN LOCAL WEATHER NOT AVAILABLE" - LOCAL WEATHER ON WSMCR.
30. ADDED LPV AND LNAV/VNAV MINIMUMS - PER FPT REQUEST.
31. REMOVED S-23 MINIMUMS AND ADDED LNAV MDA/VIS/HAT CATS A AND B, 1920/1/344 - NEW CONTROLLING OBSTACLE IDENTIFIED, IAW 8260.3E TABLES 3-3-3 AND 3-3-4.
32. CIRCLING MINIMUMS UPDATED MDA/VIS/HAA FROM CATS A AND B, 2100/1/524 TO CAT A 2000/1/424 AND CAT B 2040/1/464 - NEW CONTROLLING OBSTACLES IDENTIFIED, IAW 8260.3E TABLE 3-3-7.
33. ADDED CRC REMAINDER "37275E2D" - LTP/FTP LAT/LONG 325628.4510N/1112510.8055W, LTP/FTP ELLIPSOIDAL HEIGHT +04508, FPAP LAT/LONG 325544.1335N/1112642.7060W.
34. FINAL APPROACH COURSE CHANGED FROM "228.12" TO "228.30" - REMOVED 0.20 OFFSET AND ALIGNED FINAL APPROACH COURSE - IAW 8260.58B 3-4-2.

12/9/21: THIS IS AN UPDATED COPY OF THE FORM DEVELOPED ON 08/23/21.

1. CIRCLING MINIMUMS UPDATED MDA/HAA CAT A FROM 2000/424 TO 2100/524 AND CAT B FROM 2040/464 TO 2100/524 - UNCHARTED OBSTACLES IDENTIFIED DURING FLIGHT CHECK.

QUALITY
2
CHECKED

COORDINATED WITH:

A4A ☐ **ALPA** ☒ **AOPA** ☒ **APA** ☐ **HAI** ☐ **NBAA** ☒ **OTHER:** ZAB, ABQ APP CON, AMGR

FLIGHT CHECKED BY

DANIEL CHARLES FAVORITE

Digitally signed by

ALLAN WILL

Dec 10, 2021

OFFICE

FIOG

DATE

12/02/2021

DEVELOPED BY

ALLAN WILL (MICHAEL DARDEN)

Digitally signed by

ALLAN WILL

Dec 10, 2021

OFFICE

AJV-A423

DATE

08/23/2021

APPROVED BY

MARLON ROBINSON

Digitally signed by

ALLAN WILL

Dec 10, 2021

OFFICE

AJV-A420

DATE

TITLE
MANAGER

FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	P08
RUNWAY	RW23
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W23A
LTP/FTP LATITUDE	325628.4510N
LTP/FTP LONGITUDE	1112510.8055W
LTP/FTP ELLIPSOIDAL HEIGHT	+04508
FPAP LATITUDE	325544.1335N
FPAP LONGITUDE	1112642.7060W
THRESHOLD CROSSING HEIGHT (TCH)	00049.3
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1056
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0
CRC REMAINDER	37275E2D

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K2
LTP ORTHOMETRIC HEIGHT	+04804
FPAP ORTHOMETRIC HEIGHT	+04804

QUALITY
2
CHECKED