

**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> KFFZ	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 4R	<u>ORIGINAL/AMENDMENT</u> 1F	<u>CITY</u> MESA	<u>STATE</u> AZ		
<u>AIRPORT ELEVATION</u> 1394	<u>TDZE</u> 1384	<u>SUPERSEDED</u> RNAV (GPS) RWY 4R	<u>ORIGINAL/AMENDMENT</u> 1E	<u>DATED</u> 01/07/2016	<u>MAG VAR</u> 12E	<u>EPOCH YEAR</u> 1990
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 12 AUGUST 2021	<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>
SACAT	IAF	ISTOW		TF	FB	1.00	348.15	6.30	3200
ISTOW	IF	FOLOM		TF	FB	1.00	039.09	6.20	2300
FOLOM	FAF	GOYEB	MAP	TF	FO	0.30	039.14	2.01	
GOYEB	MAP	1900 MSL		CA			039.14		1900
1900 MSL		SACAT		DF	FO	1.00			5000

MISSED APPROACH

MAP:

LP: GOYEB
LNAV: GOYEB

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 1900 THEN CLIMBING RIGHT TURN TO 5000 DIRECT SACAT AND HOLD, CONTINUE CLIMB-IN-HOLD TO 5000.

ALTERNATE MISSED APPROACH INSTRUCTIONS:



PROFILE:

1. PT

SIDE OF COURSE

OUTBOUND

FT WITHIN

MILES OF

(IAF)

2. PROFILE STARTS AT ISTOW

3. FAF: 039.14

FAF: FOLOM

DIST FAF TO MAP: 2.01

DIST FAF TO THLD: 2.81

4. MIN ALT: ISTOW 3200, FOLOM 2300

5. DIST TO THLD FROM OM:

MM:

IM:

150 HAT:

GS ANT:

6. MIN GP INCPT:

GP ALT AT FAF :

OM:

MM:

IM:

7. GP ANGLE:

34:1: IS CLEAR

20:1: IS CLEAR

TCH:

8. MSA FROM: GOYEB 8900

PBN REQUIREMENTS NOTE:

RNP APCH.

NOTES:

CHART NOTE: CIRCLING TO RWY 22L, 22R NA AT NIGHT.
CHART NOTE: CIRCLING NA FOR CAT C SE OF RWYS 4R AND 22L.
CHART PROFILE NOTE: VGSI AND DESCENT ANGLES NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}).
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT SACAT ON V16 SOUTHEAST BOUND.

ADDITIONAL FLIGHT DATA:

HOLD SE, LT, 323.44 INBOUND.
CHART FAS OBST: 1537 TANK 332710N/1114353W, 1428 POLE 332655N/1114422W.
WAAS CHANNEL # 90525
REFERENCE PATH ID: W04B
CHART CIRCLING ICON.
FOLOM TO RW04R: 3.00/41.
LTP HAE: 386.6 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
LP MDA	1680	1	296	1680	1	296	1680	1	296		NA				
LNAV MDA	1800	1	416	1800	1	416	1800	1 1/8	416		NA				
CIRCLING	1860	1	466	1980	1	586	2040	1 3/4	646		NA				



CHANGES - REASONS

1. ADDED PBN REQUIREMENTS NOTE: RNP APCH - IAW 8260.19I 8-6-8B(1)
2. ADDED 34:1 IS CLEAR AND 20:1 IS CLEAR ON LINE 7 - NO PENETRATIONS EXIST.
3. CHANGED CHART NOTE FROM "CIRCLING TO RWY 22R NA AT NIGHT" TO "CIRCLING TO RWY 22L, 22R NA AT NIGHT" - INCORPORATED NOTAM FDC 0/5552.
4. ADDED CHART PROFILE NOTE: VGSI AND DESCENT ANGLES NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}) - 8260.19I, 8-6-9 M2.
5. REMOVED CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED - NO 34:1 PENETRATIONS.
6. MOVED CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE PHOENIX SKY HARBOR INTL ALTIMETER SETTING AND INCREASE ALL MDA 80 FEET AND INCREASE LNAV CAT C VISIBILITY 1/8 MILE - MOVED TO PART C REMARKS FOR CONTINGENCY PURPOSES.
7. CHANGED CHART FAS OBST FROM "1537 TANK 332710N/1114353W, 1398 LT POLE 332710N/1114410W" FOR LNAV/LP TO "1537 TANK 332710N/1114353W, 1428 POLE 332655N/1114422W" FOR LNAV/LP - NEW CONTROLLING OBSTACLE FOR LNAV/LP.
8. CHANGED LP MDA/HAT FROM 1660/295 TO 1680/295 - NEW CONTROLLING OBSTACLE.
9. CHANGED LNAV HAT FROM 435 TO 416 - NEW TARGETS EVALUATION.
10. CHANGED CIRCLING CAT A MDA/HAA FROM 1900/506 TO 1860/466, CAT B FROM MDA/HAA 1900/506 TO 1980/586 AND CAT C MDA/HAA FROM 1900/506 TO 2040/646 - NEW CONTROLLING OBSTACLES.
11. CHANGED LNAV CAT C VISIBILITY FROM 1 1/4 SM TO 1 1/8 SM - TARGETS VISCHECK VALUES.
12. CHANGED CIRCLING CAT C VISIBILITY FROM 1 1/2 SM TO 1 3/4 SM - TARGETS VISCHECK VALUES.
13. REMOVED CHART NOTE: DME/DME RNP-0.3 NA - NO LONGER REQUIRED BY CURRENT CRITERIA DOCUMENTATION.
14. FAS DATA: FPAP COORDINATES CHANGED FROM 332817.1900N/1114239.7400W TO 332817.2210N/1114239.7550W- NEW TARGETS EVALUATION.
15. CHANGED CRC REMAINDER FROM 759F6826 TO 6737665C - FPAP LOCATION CHANGED.
16. CHANGED LENGTH OFFSET FROM 1192 TO 0000 - NEW TARGETS EVALUATION.
17. NEW CIRCLING RADIUS APPLIED - CURRENT CRITERIA/FLIGHT CHECK RESULTS.

04/09/2021: THIS IS AN UPDATED COPY OF THE FORM DEVELOPED ON 11/23/2020.

1. ADDED CHART CIRCLING ICON TO ADDITIONAL FLIGHT DATA.
2. ADDED #17: NEW CIRCLING RADIUS APPLIED TO CHANGES - REASONS.

COORDINATED WITH:

A4A ☐ **ALPA** ☒ **AOPA** ☒ **APA** ☐ **HAI** ☐ **NBAA** ☒ **OTHER:** PHX APP CON, FFZ ATCT, FFZ AMGR

FLIGHT CHECKED BY

DANIEL CHARLES FAVORITE

Digitally signed by

JON DENTON

OFFICE

FIOG

DATE

04/08/2021

DEVELOPED BY

JON DENTON (SILVIA YOUNG)

Digitally signed by

JON DENTON

Apr 12, 2021

OFFICE

AJV-A432

DATE

11/23/2020

APPROVED BY

LONNIE EVERHART

Digitally signed by

JON DENTON

Apr 12, 2021

OFFICE**DATE**

11/30/2020

TITLE

MANAGER



FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KFFZ
RUNWAY	RW04R
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W04B
LTP/FTP LATITUDE	332721.2395N
LTP/FTP LONGITUDE	1114402.7130W
LTP/FTP ELLIPSOIDAL HEIGHT	+03866
FPAP LATITUDE	332817.2210N
FPAP LONGITUDE	1114239.7550W
THRESHOLD CROSSING HEIGHT (TCH)	00040.5
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)	0.0
CRC REMAINDER	6737665C

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K2
LTP ORTHOMETRIC HEIGHT	+04162
FPAP ORTHOMETRIC HEIGHT	+04162

