

**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.

<b>AIRPORT ID</b> F45	<b>PROCEDURE NAME</b> RNAV (GPS) RWY 9R	<b>ORIGINAL/AMENDMENT</b> 3	<b>CITY</b> WEST PALM BEACH	<b>STATE</b> FL
<b>AIRPORT ELEVATION</b> 22	<b>TDZE</b> 22	<b>SUPERSEDED</b> RNAV (GPS) RWY 9R	<b>DATED</b> 02/01/2018	<b>MAG VAR</b> 7W
<b>FACILITY</b> RNAV	<b>COORDINATES OF FACILITIES</b>	<b>ACTUAL EFFECTIVE DATE</b> 17 APRIL 2025	<b>REQUIRED EFFECTIVE DATE</b> ROUTINE	<b>EPOCH YEAR</b> 2020
			<b>CANCEL/SUSPEND</b>	

**TERMINAL ROUTES**

FROM	FIX TYPE	TO	FIX TYPE	LEG TYPE	FO/FB	RNP	COURSE	DISTANCE	ALTITUDE
YIGBO	IF/IAF	AZCID		TF	FB	1.00	092.24	7.54	1600
AZCID	FAF	XEJZI/1.52 NM TO RW09R		TF	FB	0.30	092.31	3.30	
XEJZI/1.52 NM TO RW09R		RW09R	MAP	TF	FO	0.30	092.31	1.52	
RW09R	MAP	1200 MSL		CA			092.31		1200
1200 MSL		SPOUN		DF	FO	1.00			2000

**MISSED APPROACH**

**MAP:**

LPV: DA  
LNAV/VNAV: DA  
LNAV: RW09R

**MISSED APPROACH INSTRUCTIONS:**

CLIMB TO 1200 THEN CLIMBING LEFT TURN TO 2000 DIRECT SPOUN AND HOLD.

**ALTERNATE MISSED APPROACH INSTRUCTIONS:**

**PROFILE:**

- PT** SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)
- HOLD W YIGBO, RT, 092.35 INBOUND, 2000 FT. IN LIEU OF PT (IAF), MAX 6000.
- FAC:** 092.31 **FAF:** AZCID **DIST FAF TO MAP:** 4.82 **DIST FAF TO THLD:** 4.82
- MIN ALT:** YIGBO 2000, AZCID 1600, XEJZI/1.52 NM TO RW09R 520
- DIST TO THLD FROM OM:** **MM:** **IM:** **150 HAT:** **250 HAT:** 0.65 **GS ANT:**
- MIN GP INCPT:** 1600 **GP ALT AT PFAF:** AZCID 1600 **OM:** **MM:** **IM:**
- GP ANGLE:** 3.00 **34:1:** IS NOT CLEAR **20:1:** IS CLEAR **TCH:** 43.1
- MSA FROM:** RW09R 2600



**PBN REQUIREMENTS NOTE:**

RNP APCH - GPS.

**NOTES:**

CHART PROFILE NOTE: VGS1 AND RNAV GLIDEPATH NOT COINCIDENT (VGS1 ANGLE {ANGLE}/TCH {FEET}).  
 CHART NOTE: CIRCLING NA TO RWYS 09L AND 27R.  
 CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -15°C OR ABOVE 54°C.  
 CHART NOTE: RWY 9R HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED.

**ADDITIONAL FLIGHT DATA:**

HOLD NW, RT, 142.31 INBOUND.  
 CHART FAS OBST: 112 TREE (12-038228) 265005N/0801515W.  
 WAAS CHANNEL # 78024  
 REFERENCE PATH ID: W09A  
 CHART CIRCLING ICON.  
 LTP HAE: -20 M

**MINIMUMS:**

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

**ALTERNATE:** NA  STANDARD - CAT D 800-2 1/4, NA WHEN LOCAL WEATHER NOT AVAILABLE.

<b>CATEGORY:</b>	<b>A</b>			<b>B</b>			<b>C</b>			<b>D</b>			<b>E</b>		
<b>FINAL TYPE</b>	<b>DA/MDA</b>	<b>VIS</b>	<b>HAT/HAA</b>	<b>DA/MDA</b>	<b>VIS</b>	<b>HAT/HAA</b>	<b>DA/MDA</b>	<b>VIS</b>	<b>HAT/HAA</b>	<b>DA/MDA</b>	<b>VIS</b>	<b>HAT/HAA</b>	<b>DA/MDA</b>	<b>VIS</b>	<b>HAT/HAA</b>
LPV DA	272	7/8	250	272	7/8	250	272	7/8	250	272	7/8	250			
LNAV/VNAV DA	403	1 1/8	381	403	1 1/8	381	403	1 1/8	381	403	1 1/8	381			
LNAV MDA	420	1	398	420	1	398	420	1 1/8	398	420	1 1/8	398			
CIRCLING	440	1	418	480	1	458	640	2	618	720	2 1/4	698			



**CHANGES - REASONS**

1. TERMINAL ROUTES: REMOVED YIGBO TAA – PER ATC REQUEST.
2. TERMINAL ROUTES: CHANGED “XEJZI/1.40 NM TO RW09R” TO “XEJZI/1.52 NM TO RW09R”, DISTANCES CHANGED FROM “4.42” TO “3.30”, 1.40” TO “1.52”– FIX MOVED W 742.45 FEET, PROCEDURE REDESIGNED IAW 8260.58C.
3. TERMINAL ROUTES: CHANGED CA LEG ALTITUDE FROM “1700” TO “1200” – PER ATC REQUEST.
4. MISSED APPROACH: CHANGED FROM “CLIMB TO 1700 THEN CLIMBING LEFT TURN TO 2500 DIRECT YIGBO AND HOLD” TO “CLIMB TO 1200 THEN CLIMBING LEFT TURN TO 2000 DIRECT SPOUN AND HOLD” – TERMINATION FIX CHANGED FROM MORGTA TO SPOUN PER ATC REQUEST.
5. PROFILE LINE 2: CHANGED “HOLD W YIGBO, RT, 092.24 INBOUND, 2500 FT. IN LIEU OF PT (IAF)” TO “HOLD W YIGBO, RT, 092.35 INBOUND, 2000 FT. IN LIEU OF PT (IAF), MAX 6000” – PROCEDURE REDESIGNED IAW 8260.58C, PER ATC REQUEST.
6. PROFILE LINE 4: CHANGED FROM “YIGBO 2500, AZCID 1600, XEJZI/1.40 NM TO RW09R 500\*” TO “YIGBO 2000, AZCID 1600, XEJZI/1.52 NM TO RW09R 520” – PER ATC REQUEST, CURRENT DOCUMENTATION STANDARDS.
7. PROFILE LINE 5: ADDED “250 HAT: 0.65” – IAW 8260.19J, 8-6-7E(3).
8. PROFILE LINE 7: ADDED “20:1 IS CLEAR” - IAW 8260.19J, 8-6-7G(3)A.
9. PROFILE LINE 8: ADDED “RW09R 2600” – TAA REMOVED PER ATC REQUEST, IAW 8260.19J, 8-6-7G(4).
10. PBN REQUIREMENTS: ADDED “RNP APCH – GPS”, REMOVED “CHART NOTE: DME/DME RNP-0.3 NA” – IAW 8260.19J, 8-6-8(5).
11. CHANGED “CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -15C (5F) OR ABOVE 54C (130F)” TO “CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -15°C OR ABOVE 54°C” – CURRENT DOCUMENTATION STANDARDS.
12. REMOVED “\*LNAV ONLY” – CURRENT DOCUMENTATION STANDARDS.
13. MOVED ALTIMETER AND ASSOCIATED NOTES TO -9 PART C: GENERAL REMARKS - IAW 8260.19J, 8-6-10F(3).
14. ADDITIONAL FLIGHT DATA: ADDED “HOLD NW, RT, 142.31 INBOUND” – TERMINATION FIX MOVED FROM YIGBO TO SPOUN PER ATC REQUEST.
15. ADDITIONAL FLIGHT DATA: CHANGED “CHART FAS OBST: 121 TREE 265040N/0801452W” TO “CHART FAS OBST: 112 TREE (12-038228) 265005N/0801515W” – NEW CONTROLLING OBSTACLE.
16. MINIMUMS: CHANGED ALTERNATE MINIMUMS FROM “NA” TO “STANDARD - CAT D 800-2 1/4, NA WHEN LOCAL WEATHER NOT AVAILABLE” – PRIMARY ALTIMETER NOW ON WMSCR.
17. MINIMUMS: RAISE LNAV/VNAV DA/HAT/VIS FROM “288/266/7/8” TO “403/398/1 1/8” – NEW CONTROLLING OBSTACLE.
18. MINIMUMS: LOWERED CIRCLING CAT A/C MDA/HAA FROM “460/438, 700/678” TO “440/418, 640/618” – NEW CONTROLLING OBSTACLES.
19. FAS DATA: CHANGED CRC REMAINDER FROM “B9916A41” TO “73C58AD6” – FPAP LONGITUDE CHANGED FROM “0801157.4145W” TO “0801157.4140W”.

**COORDINATED WITH:**

**A4A**
 **ALPA**
 **AOPA**
 **APA**
 **HAI**
 **NBAA**

**OTHER:** ZMA, PBI APP CON, AMGR

**FLIGHT CHECKED BY**

ROBERT E WILLIAMS

Digitally signed by  
**CASIMIR L TABAKA**  
 Mar 06, 2025

**OFFICE**

AJF

**DATE**

02/11/2025

**DEVELOPED BY**

JOSEPH L. ZEDER (ROBERT A. SWINSON)

Digitally signed by  
**CASIMIR L TABAKA**  
 Nov 19, 2024

**OFFICE**

AJV-A432

**DATE**

09/12/2024

**APPROVED BY**

JOSEPH L. ZEDER

Digitally signed by  
**CASIMIR L TABAKA**  
 Nov 19, 2024

**OFFICE**

AJV-A432

**DATE**

**TITLE**  
MANAGER



FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	F45
RUNWAY	RW09R
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W09A
LTP/FTP LATITUDE	265033.0935N
LTP/FTP LONGITUDE	0801336.7005W
LTP/FTP ELLIPSOIDAL HEIGHT	-00200
FPAP LATITUDE	265040.3295N
FPAP LONGITUDE	0801157.4140W
THRESHOLD CROSSING HEIGHT (TCH)	00043.1
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1440
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0

CRC REMAINDER 73C58AD6

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K7
LTP ORTHOMETRIC HEIGHT	+00065
FPAP ORTHOMETRIC HEIGHT	+00065

