

**FEDERAL AVIATION ADMINISTRATION
FLIGHT STANDARDS SERVICE
RNAV (RNP) 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> KPBI	<u>PROCEDURE NAME</u> RNAV (RNP) Z RWY 10L	<u>ORIGINAL/AMENDMENT</u> 2	<u>CITY</u> WEST PALM BEACH	<u>STATE</u> FL		
<u>AIRPORT ELEVATION</u> 20	<u>TDZE</u> 16	<u>SUPERSEDED</u> RNAV (RNP) Z RWY 10L	<u>ORIGINAL/AMENDMENT</u> 1B	<u>DATED</u> 01/03/2019	<u>MAG VAR</u> 6W	<u>EPOCH YEAR</u> 2010
<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>
GULLO	IAF	WILBA		TF	FB	1.00	099.54	7.00	3000
WILBA	IF	ZISUR		TF	FB	1.00	098.68	7.00	2000
SANZZ	IF	SHDEE		TF	FB	1.00	262.16	6.60	3000
SHDEE		ZISUR	PFAF	RF	FB	1.00	(2.80 NM RADIUS CCW (CFFPS))	7.98	2000
ZISUR	PFAF	RW10L	MAP	TF	FO	0.30	098.73	6.07	
RW10L	MAP	1000 MSL		CA			098.73		1000
1000 MSL		MORGA		DF	FO	1.00			3000

MISSED APPROACH

MAP:
RNP: DA

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 1000 THEN CLIMBING LEFT TURN TO 3000 DIRECT MORGA AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:



PROFILE:

1. PT

SIDE OF COURSE

OUTBOUND

FT WITHIN

MILES OF

(IAF)

2. PROFILE STARTS AT ZISUR

3. FAC: 098.73

PFAF: 6.07 NM

DIST PFAF TO MAP:

DIST PFAF TO THLD:

4. MIN ALT: ZISUR 2000

5. DIST TO THLD FROM PFAF: 6.07

MM:

IM:

150 HAT:

339 HAT: 0.90

GS ANT:

6. MIN GP INCPT: 2000

GP ALT AT PFAF : ZISUR 2000

OM:

MM:

IM:

7. GP ANGLE: 3.00

34:1: IS CLEAR

20:1: IS CLEAR

TCH: 51.7

8. MSA FROM: RW10L 2600

PBN REQUIREMENTS NOTE:

RNP AR APCH - GPS.

NOTES:

CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, PROCEDURE NA BELOW 6°C OR ABOVE 54°C.
CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}).
CHART PROFILE NOTE: SEE PLANVIEW FOR MULTIPLE IF LOCATIONS.
CHART PLANVIEW NOTE AT SANZZ: DO NOT EXCEED 210 KIAS UNTIL ZISUR.

ADDITIONAL FLIGHT DATA:

HOLD S, RT, 343.00 INBOUND.
CHART MANDATORY 5000 AT GULLO.
CHART MANDATORY 4000 AT SANZZ.

MINIMUMS:

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

ALTERNATE: NA ☐ STANDARD

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
AUTHORIZATION REQUIRED															
RNP 0.30 DA	355	2600	339	355	2600	339	355	2600	339	355	2600	339			



CHANGES - REASONS

1. TDZE CHANGED FROM 20 TO 16. - NEW AIRNAV DATA.
2. REMOVED FRWAY AND ENDUW SEGMENTS, CHANGED WILBA-ZISUR INTERMEDIATE COURSE FROM 098.67 TO 098.68, CHANGED ALL 0.5 RNP VALUES TO 1.0, AND CHANGED RF RADIAL FIX NAME FROM UBMEF TO CFFPS IN TERMINAL ROUTES. - PROCEDURE REDESIGN, MOVED FAF, NO LONGER NEEDED, AND IAW 8260.19I 2-10-4.
3. CHANGED MA INSTRUCTIONS FROM "CLIMB TO 2000 ON TRACK 098.75 TO JUTAS AND RIGHT TURN TO ODKEY AND ON TRACK 268.68 TO LANCH AND HOLD." TO "CLIMB TO 1000 THEN CLIMBING LEFT TURN TO 3000 DIRECT MORG AND HOLD." - PROCEDURE REDESIGN.
4. REPLACED OM WITH PFAF IN LINE 5, ADDED 339 HAT: 0.90 TO LINE 5, AND ADDED 20:1 IS CLEAR TO LINE 7. - IAW 8260.19I 8-6-7.
5. REMOVED RF REQUIRED, GPS REQUIRED, AT FRWAY: (RNP 0.50), AT SHDEE: MAX 180 KIAS FROM NOTES AND ADDED RNP AR APCH - GPS TO PBN REQUIREMENTS NOTE. - IAW 8260.19I 8-6-8/9 AND REMOVED FRWAY FROM PROCEDURE.
6. REMOVED INOP MALSR NOTE, ADDED "(VGSi ANGLE {ANGLE}/TCH {FEET})" TO VGSi NOT COINCIDENT NOTE, AND CHANGED BARO-VNAV NOTE FROM "FOR UNCOMPENSATED BARO-VNAV SYSTEMS, PROCEDURE NA BELOW 2C (36F) OR ABOVE 49C (120F)." TO "FOR UNCOMPENSATED BARO-VNAV SYSTEMS, PROCEDURE NA BELOW 6°C OR ABOVE 54°C." - IAW 8260.19I 8-6-9.
7. REMOVED ALL ROUTE TYPE NOTES, REMOVED #TCH 67.3 MSL (DO NOT CHART), REMOVED CHART MANDATORY 5000 AT FRWAY AND ENDUW, REMOVED DISTANCE TO THLD VALUES, REMOVED FAS OBST FROM ADDITIONAL FLIGHT DATA, AND CHANGED HOLD COURSE FROM 009.00 TO 343.00. - NO LONGER REQUIRED, REMOVED 0.11 RNP MINS, PROCEDURE REDESIGN, AND IAW 8260.19I 8-6-10.
8. REMOVED .011 RNP MINS AND LOWERED 0.30 RNP MINS FROM 448/432 TO 355/339 AND LOWERED VIS FROM 4000 TO 2600. - NEW EVAL COMPLETE YIELDING NEW CONT OBST.
9. ADDED CHART PLANVIEW NOTE AT SANZZ: DO NOT EXCEED 210 KIAS UNTIL ZISUR IN NOTES. - IAW 8260.19I 8-6-9.

COORDINATED WITH:

A4A ☒ **ALPA** ☒ **AOPA** ☒ **APA** ☒ **HAI** ☐ **NBAA** ☒ **OTHER:** ZMA, PBI ATCT, AMGR

FLIGHT CHECKED BY

MARC J HINCK

*Digitally signed by***JOHN BORDY**

Jun 10, 2021

OFFICE

FICO

DATE

06/03/2021

DEVELOPED BY

JOHN BORDY (ANDRE TUCKER)

*Digitally signed by***JOHN BORDY**

Jun 10, 2021

OFFICE

AJV-A422

DATE

04/05/2021

APPROVED BY

MARLON ROBINSON

*Digitally signed by***JOHN BORDY**

Jun 10, 2021

OFFICE

AJV-A420

DATE**TITLE**
MANAGER