

**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 14	<u>ORIGINAL/AMENDMENT</u> 1	<u>CITY</u> WEST PALM BEACH	<u>STATE</u> FL	
<u>AIRPORT ELEVATION</u> 20	<u>TDZE</u> 17	<u>SUPERSEDED</u> RNAV (RNP) Z RWY 14	<u>ORIGINAL/AMENDMENT</u> ORIG-B	<u>DATED</u> 07/28/2011	<u>MAG VAR</u> 6W
<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>	<u>EPOCH YEAR</u> 2010

TERMINAL ROUTES

FROM	FIX TYPE	TO	FIX TYPE	LEG TYPE	FO/FB	RNP	COURSE	DISTANCE	ALTITUDE
GULLO	IAF	OGGAN		TF	FB	1.00	090.62	10.80	3100
OGGAN	IF	QELAH		TF	FB	1.00	078.95	4.75	1800
QELAH		ZABTA		RF	FB	1.00	(2.50 NM RADIUS CW (CFFLG))	2.71	1100
JEMAL	IF	RIBEE		TF	FB	1.00	141.12	6.00	1500
RIBEE		ZABTA		TF	FB	1.00	141.17	1.26	1100
ZABTA	PFAF	DA	MAP	TF	FO	0.30	141.16	3.24	
DA	MAP	354 MSL		CA			141.16		
354 MSL		CUSIK		DF	FB	1.00			
CUSIK		LANCH		TF	FO	1.00	203.50	8.55	2000

MISSED APPROACH

MAP:
RNP: DA

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 2000 DIRECT CUSIK AND ON TRACK 203.5 TO LANCH AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:



CHANGES - REASONS

1. AIRPORT ELEVATION CHANGED FROM 19 TO 20 - AIRNAV DATA CHANGE FROM 2011.
2. INITIAL SEGMENT FRWAY TO INEVY REMOVED - PER FLORIDA METROPLEX ATC REQUIREMENT.
3. INTERMEDIATE SEGMENT INEVY TO ZABTA REMOVED - PER FLORIDA METROPLEX ATC REQUIREMENT.
4. ADDED INTERMEDIATE SEGMENTS JEMAL TO RIBEE TO ZABTA - REPLACES INITIAL/INTERMEDIATE SEGMENTS FRWAY TO ZABTA PER FLORIDA METROPLEX ATC REQUIREMENT.
5. SEGMENT OGGAN TO QELAH COURSE/DISTANCE CHANGED FROM 090.47/5.00 TO 078.95/4.75 - RESULT OF QELAH WP RELOCATION.
6. CHANGED QELAH TO ZABTA RF SEGMENT RADIUS FROM 2.30 TO 2.50 AND DISTANCE FROM 2.43 TO 2.71 - BASED ON RELOCATION OF BOTH QELAH WP AND ZABTA WP.
7. CHANGED MISSED APPROACH FROM DF ICZAY - RF VNDAL - TF LANCH TO DF CUSIK - TF LANCH AND CHANGED MISSED APPROACH INSTRUCTIONS TO 'CLIMB TO 2000 DIRECT CUSIK AND ON TRACK 203.5 TO LANCH AND HOLD' - NAVSPEC RNAV 1 MISSED APPROACH USED THAT MATCHES RNAV (GPS) Y RWY 14 MISSED APPROACH PER FLORIDA METROPLEX ATC REQUIREMENT.
8. CHANGED DISTANCE FROM THRESHOLD FROM 303 HAT - 0.79 TO 337 HAT 0.90 - HAT CHANGE BASED ON NEW FINAL SEGMENT OBSTACLE FOR RNP 0.30 FINAL AND ELIMINATION OF RNP 0.11 FINAL.
9. REMOVED NOTE RF AND GPS REQUIRED AND ADDED PBN REQUIREMENTS NOTE: RNP AR APCH-GPS - PER 8260.19I PARA. 8-6-8B(1).
10. CHANGED NOTE FROM 'FOR UNCOMPENSATED BARO-VNAV SYSTEMS, PROCEDURE NA BELOW 3C (38F) OR ABOVE 47C (118F)' TO 'FOR UNCOMPENSATED BARO-VNAV SYSTEMS, PROCEDURE NA BELOW 6C OR ABOVE 54C' - TEMPERATURES BASED ON UPDATED 5-YEAR WEATHER HISTORY AND PER 8260.19I PARA. 8-6-9R.
11. ADDED SPEED ICON AT OGGAN: MAX 210 KIAS AND REMOVED SPEED ICON AT QELAH: MAX 180 KIAS - DUE TO RELOCATION OF QELAH WP AND ZABTA WP, EXPANSION OF RF TURN RADIUS AND LENGTHENING OF TURN SEGMENT.
12. REMOVED RNP 0.11 DA LINE OF MINIMUMS - DUE TO LOWERING OF DA/HAT OF RNP 0.30 DA MINIMUMS THAT NO LONGER ALLOWED A 50 FT. HAT REDUCTION OR 1/4 SM VISIBILITY REDUCTION PER 8260.58B PARA. 4-1-1C(2)(A).
13. LOWERED RNP 0.30 DA/HAT FROM 364/347 TO 354/337 AND VISIBILITY REDUCED FROM 1 1/4 SM TO 1 SM - NEW FINAL CONTROLLING OBSTACLE 115 TREE AND PREVIOUS 61 FT. MISSED APPROACH ADJUSTMENT NO LONGER REQUIRED. VISIBILITY PER 8260.3D CH. 3 TABLE 3-3-1.
14. REMOVED NOTE WHEN VGS1 INOP, PROCEDURE NA AT NIGHT - 20:1 PENETRATIONS NO LONGER EXIST.

COORDINATED WITH:

A4A **ALPA** **AOPA** **APA** **HAI** **NBAA** **OTHER:** ZMA, PALM BEACH APP CON, PALM BEACH ATCT, AMGR

FLIGHT CHECKED BY

Digitally signed by

JOHN BORDY

Jun 17, 2021

MARC J HINCK

OFFICE

FICO

DATE

06/03/2021

DEVELOPED BY

Digitally signed by

RALPH DUMAR

May 10, 2021

RALPH DUMAR

OFFICE

AJV-A422

DATE

04/20/2021

APPROVED BY

Digitally signed by

JOHN BORDY

Jun 17, 2021

MARLON ROBINSON

OFFICE

AJV-A420

DATE

TITLE
MANAGER

