

**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 28R	<u>ORIGINAL/AMENDMENT</u> 1	<u>CITY</u> WEST PALM BEACH	<u>STATE</u> FL		
<u>AIRPORT ELEVATION</u> 20	<u>TDZE</u> 18	<u>SUPERSEDED</u> RNAV (RNP) Z RWY 28R	<u>ORIGINAL/AMENDMENT</u> ORIG-C	<u>DATED</u> 04/04/2013	<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>
COTEB	IF	FENED		TF	FB	1.00	100.67	4.55	4800
FENED		CAFEN		RF	FB	1.00	(2.80 NM RADIUS CCW (CFFPP))	8.99	1900
CUPED	IF	CAFEN		TF	FB	1.00	278.88	4.39	1900
CAFEN		RELTY		TF	FB	1.00	278.85	1.57	1500
HETMO	IF	JERMA		TF	FB	1.00	175.74	3.99	3200
JERMA		RELTY		RF	FB	1.00	(3.00 NM RADIUS CW (CFFLP))	5.40	1500
RELTY	PFAF	DA	MAP	TF	FO	0.30	278.82	4.47	
DA	MAP	500 MSL		CA			278.82		500
500 MSL		MORGA		DF	FO	1.00			3000

MISSED APPROACH

MAP:
RNP: DA

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 500 THEN CLIMBING RIGHT TURN TO 3000 DIRECT MORGA AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:

QUALITY
24
CHECKED

PROFILE:

1. PT

SIDE OF COURSE

OUTBOUND

FT WITHIN

MILES OF

(IAF)

2. PROFILE STARTS AT RELTY

3. FAC: 278.82

FAF: RELTY

DIST FAF TO MAP:

DIST FAF TO THLD:

4. MIN ALT: RELTY 1500

5. DIST TO THLD FROM PFAF: 4.47

MM:

IM:

150 HAT:

386 HAT: 1.03

GS ANT:

6. MIN GP INCPT: 1500

GP ALT AT FAF : RELTY 1500

OM:

MM:

IM:

7. GP ANGLE: 3.00

34:1: IS CLEAR

20:1: IS CLEAR

TCH: 58.1

8. MSA FROM: RW28R 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: SEE PLANVIEW FOR MULTIPLE IF LOCATIONS.
CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}).
CHART SPEED ICON IN PLANVIEW AT HETMO: MAX 210 KIAS.
CHART SPEED ICON IN PLANVIEW AT COTEB: MAX 210 KIAS.

ADDITIONAL FLIGHT DATA:

HOLD S, RT, 343.00 INBOUND.
CHART MANDATORY 6000 AT COTEB.
CHART AT OR ABOVE 3000 AT CUPED.
CHART MANDATORY 4000 AT HETMO.

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	404	6000	386	404	6000	386	404	6000	386	404	6000	386			



CHANGES - REASONS

1. DELETED TERMINAL ROUTES FROM GULLO TO BEKAH, BEKAH TO FESAK, FESAK TO COTEB, COTEB TO RELTY AND FRWAY TO HETMO AND ASSOCIATED NOTES - ATC REQUEST AND TRAFFIC FLOW.
2. ADDED TERMINAL ROUTES FROM COTEB TO FENED, FENED TO CAFEN, CUPED TO CAFEN AND CAFEN TO RELTY AND ASSOCIATED NOTES - ATC REQUEST AND TRAFFIC FLOW.
3. UPDATED COURSE/DISTANCE FROM HETMO TO JERMA FROM 176.05/4.00 TO 175.74/3.99 AND ALTITUDE FROM 2900 TO 3200 - HETMO FIX MOVED 141.15 FEET EAST AND ATC REQUEST.
4. CHANGED CNF FIX NAME FROM CLKVL TO CFFLP AND REPLACED ECQUG WITH CFFPP - CNF FIXES MUST BEGIN WITH "CF" IAW 8260.19I, PARA 2-10-4 A (4).
5. UPDATED RF LEG DISTANCE FROM JERMA TO RELTY FROM 5.38 TO 5.40 NM - RECALCULATED DISTANCE.
6. UPDATED FINAL APPROACH COURSE FROM 278.83 TO 278.82 AND DISTANCE FROM 4.42 TO 4.47 - RELTY MOVED 417 FEET WEST.
7. CHANGED MISSED APPROACH FROM CLIMB TO 2000 ON TRACK 278.79 TO JANTU AND RIGHT TURN TO ETAPY AND ON TRACK 029.23 TO MORGAN AND HOLD TO CLIMB TO 500 THEN CLIMBING RIGHT TURN TO 3000 DIRECT MORGAN AND HOLD - ATC REQUEST.
8. ADDED TO LINE 4 MINIMUM ALTITUDE: RELTY 1500 - IAW 8260.19I, PARA 8-6-7 D.
9. CHANGED 34:1 FROM NOT CLEAR TO CLEAR AND ADDED 20:1 IS CLEAR - UPDATED SURVEY AND IAW 8260.19I PARA 8-6-7 G (3).
10. DELETED FROM ADDITIONAL FLIGHT DATA FAS OBST: 70 T-L TOWER - RNP APPROACH IAW 8260.19I, PARA 8-6-10 C.
11. DELETED ROUTE TYPE, ROUTE TYPE QUALIFIER FROM ADDITIONAL FLIGHT DATA - IAW 8260.19I, PARA 8-6-10.
12. DELETED FROM ADDITIONAL FLIGHT DATA #TCH 75.7 MSL (DO NOT CHART) - IAW CURRENT CRITERIA.
13. ADDED PBN REQUIREMENTS NOTE RNP AR APCH -GPS AND DELETED CHART NOTES RF REQUIRED AND GPS REQUIRED - IAW 8260.19I, PARA 8-6-8 B.
14. DELETED CHART NOTE VISIBILITY REDUCTION BY HELICOPTERS NA - RNP APPROACH AND 20:1 AND 34:1 CLEAR.
15. UPDATED CHART NOTE FROM FOR UNCOMPENSATED BARO-VNAV SYSTEMS, PROCEDURE NA BELOW 3C (38F) OR ABOVE 48C (119F) TO FOR UNCOMPENSATED BARO-VNAV SYSTEMS, PROCEDURE NA BELOW 6 C OR ABOVE 54 C - IAW 8260.19I, PARA 8-6-9 R AND UPDATED 5-YEAR TEMPERATURE.
16. ADDED CHART SPEED ICON IN PLANVIEW AT HETMO: MAX 210 KIAS AND CHART SPEED ICON IN PLANVIEW AT COTEB: MAX 210 KIAS AND DELETED JERMA MAX 180 KIAS - PROCEDURE REDESIGN, MATCH STAR AIRSPEED RESTRICTIONS AND ATC REQUEST AND IAW 8260.19I, PARA 4-6-10 G.

COORDINATED WITH:

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

Digitally signed by

FLIGHT CHECKED BY

DONALD H LANIER

OFFICE

DATE

MARC J HINCK

Jun 10, 2021

FICO

06/03/2021

Digitally signed by

DEVELOPED BY

FRANK JACKSON

OFFICE

DATE

FRANK JACKSON JR

May 06, 2021

AJV-A431

04/22/2021

APPROVED BY

Digitally signed by

DONALD H LANIER

OFFICE

DATE

TITLE

LONNIE EVERHART

Jun 10, 2021

AJV-A430

MANAGER

