

**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> KPBI	<u>PROCEDURE NAME</u> RNAV (GPS) Y RWY 10L	<u>ORIGINAL/AMENDMENT</u> 4	<u>CITY</u> WEST PALM BEACH	<u>STATE</u> FL		
<u>AIRPORT ELEVATION</u> 20	<u>TDZE</u> 16	<u>SUPERSEDED</u> RNAV (GPS) Y RWY 10L	<u>ORIGINAL/AMENDMENT</u> 3D	<u>DATED</u> 05/21/2020	<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>
PBI VORTAC		WILBA		TF	FO	1.00	279.32	14.06	3000
GULLO	IAF	WILBA	NOPT	TF	FB	1.00	099.54	7.00	3000
WILBA	IF/IAF	ZISUR		TF	FB	1.00	098.68	7.00	2000
ZISUR	FAF	PASTE/1.36 NM TO RW10L		TF	FB	0.30	098.73	4.71	
PASTE/1.36 NM TO RW10L		RW10L	MAP	TF	FO	0.30	098.73	1.36	
RW10L	MAP	1000 MSL		CA			098.73		1000
1000 MSL		MORGA		DF	FO	1.00			3000

MISSED APPROACH

MAP:

LPV: DA
LNAV/VNAV: DA
LNAV: RW10L

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. HOLD W WILBA, LT, 098.68 INBOUND, 3000 FT. IN LIEU OF PT (IAF), MAX 6000.

3. FAC: 098.73FAF: ZISURDIST FAF TO MAP: 6.07DIST FAF TO THLD: 6.07

4. MIN ALT: WILBA 3000, ZISUR 2000, PASTE/1.36 NM TO RW10L 500

5. DIST TO THLD FROM FAF: 6.07MM:IM:150 HAT:200 HAT: 0.47GS ANT:

6. MIN GP INCPT: 2000GP ALT AT FAF : ZISUR 2000OM:MM:IM:

7. GP ANGLE: 3.0034:1: IS CLEAR20:1: IS CLEARTCH: 51.7

8. MSA FROM: RW10L 2600

PBN REQUIREMENTS NOTE:

RNP APCH - GPS.

NOTES:

CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW 6°C OR ABOVE 54°C.
CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}).
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL ON PBI VORTAC AIRWAY RADIALS 190 CW 359.
CHART NOTE: FOR INOPERATIVE ALS, INCREASE LNAV/VNAV ALL CATS VISIBILITY TO RVR 5500 AND INCREASE LNAV CATS C/D VISIBILITY TO RVR 6000.
CHART NOTE: #RVR 1800 AUTHORIZED WITH USE OF FD OR AP OR HUD TO DA.

ADDITIONAL FLIGHT DATA:

CHART MANDATORY 5000 AT GULLO.
HOLD S, RT, 343.00 INBOUND.
CHART FAS OBST: 170 ANTENNA (12-087327) 264036N/0800638W.
WAAS CHANNEL # 97317
REFERENCE PATH ID: W10A
CHART CIRCLING ICON.
LTP HAE: -21.4 M

MINIMUMS:

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

ALTERNATE: NA ☐ STANDARD - CAT D 800-2 1/2

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
LPV DA#	216	2400	200	216	2400	200	216	2400	200	216	2400	200			
LNAV/VNAV DA	392	3500	376	392	3500	376	392	3500	376	392	3500	376			
LNAV MDA	420	2400	404	420	2400	404	420	4000	404	420	4000	404			
CIRCLING	560	1	540	560	1	540	740	2	720	780	2 1/2	760			

QUALITY
29
CHECKED

CHANGES - REASONS

1. CHANGED FEEDER PBI VORTAC-WILBA RNP VALUE FROM 2.0 TO 1.0 AND CHANGED IF/IAF WILBA-ZISUR COURSE FROM 098.67 TO 098.68 IN TERMINAL ROUTES. - REFLECT NEW CODING POLICY AND FAF MOVED.
2. ADDED SDF PASTE TO PROCEDURE. - FACILITATE LOWER MINS.
3. CHANGED MA INSTRUCTIONS FROM "CLIMB TO 2000 DIRECT JUTAS AND ON TRACK 183.72 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. CHANGED H-I-L COURSE FROM 098.67 TO 098.68 AND ADDED "MAX 6000" TO LINE 2. - FAF MOVED AND IAW 8260.19I 8-6-7.
5. ADDED "DIST TO THLD FROM FAF: 6.07" TO LINE 5. - IAW 8260.19I 8-6-7.
6. CHANGED "RNP APCH" TO "RNP APCH - GPS." IN PBN REQUIREMENTS NOTE. - IAW 8260.19I 8-6-8.
7. ADDED LNAV/VNAV VIS AND CHANGED LNAV CATS C/D VIS FROM "1 3/8 SM" TO "RVR 6000" IN INOP ALS CHART NOTE AND CHANGED CHART NOTE FROM "FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -15C (5F) OR ABOVE 43C (109F)." TO "FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW 6°C OR ABOVE 54°C." - COMPLETED NEW EVAL WITH LOWER MINS AND IAW 8260.19I 8-6-9.
8. CHANGED MA COURSE FROM 009.00 TO 343.00, CHANGED FAS OBST FROM 229 TOWER TO 170 ANTENNA, REMOVED VDP, ADDED "CHART MANDATORY 5000 AT GULLO.", AND REMOVED "LNAV ONLY." FROM ADDITIONAL FLIGHT DATA. - REDESIGN OF PROCEDURE, NEW EVAL COMPLETED, ADDED PASTE SDF, AND NO LONGER REQUIRED.
9. LOWERED LNAV/VNAV MINS FROM 404/338/4000 TO 392/376/3500 ALL CATS, LOWERED LNAV MINS FROM CAT A&B 500/484 TO 420/404 AND CAT C&D FROM 500/484/5000 TO 420/404/4000. - NEW EVAL YIELDS NEW CONTROLLING OBST'S AND ADDED PASTED SDF.
10. CRC CHANGED FROM 77A7E4D9 TO 5B0E3287 AND LENGTH OFFSET CHANGED FROM 0000 TO 0064. - FPAP CHANGED FROM 264054.7435N-0800440.0135W TO 264054.6365N-0800437.5605W - FAS DATA UPDATED/2019 SURVEY.
11. FPAP CHANGED FROM 264054.7435N-0800440.0135W TO 264054.6365N-0800437.5605W. - FAF MOVED AND FAS DATA UPDATED/2019 SURVEY.
12. CHANGES FROM P-NOTAM FOR AMDT 3C INCORPORATED INTO FORM - REQUIRED IAW 8260.19I PARA 8-3-4C(3).

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

FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KPBI
RUNWAY	RW10L
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	Y
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W10A
LTP/FTP LATITUDE	264058.9740N
LTP/FTP LONGITUDE	0800616.9160W
LTP/FTP ELLIPSOIDAL HEIGHT	-00214
FPAP LATITUDE	264054.6365N
FPAP LONGITUDE	0800437.5605W
THRESHOLD CROSSING HEIGHT (TCH)	00051.7
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0064
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	35.0
 CRC REMAINDER	 5B0E3287

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K7
LTP ORTHOMETRIC HEIGHT	+00049
FPAP ORTHOMETRIC HEIGHT	+00049