

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</u> PENSACOLA INTL	<u>AIRPORT ID</u> KPNS	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 17	<u>ORIGINAL/AMENDMENT</u> 2E	<u>CITY</u> PENSACOLA	<u>STATE</u> FL	
<u>AIRPORT ELEVATION</u> 121	<u>TDZE</u> 121	<u>SUPERSEDED</u> RNAV (GPS) RWY 17	<u>ORIGINAL/AMENDMENT</u> 2D	<u>DATED</u> 08/17/2017	<u>MAG VAR</u> 2W	<u>EPOCH YEAR</u> 2010
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u>	<u>REQUIRED EFFECTIVE DATE</u> ROUTINE	<u>CANCEL/SUSPEND</u>		

TAA

<u>FROM</u>	<u>FIX TYPE</u>	<u>TO</u>	<u>FIX TYPE</u>	<u>ALTITUDE</u>
1. 079/30 CW 109/30	NOPT	079/17 CW 109/17		3100
2. 079/17 CW 109/17		WABEN	IF/IAF	2700
2. 109/30 CW 259/30	NOPT	WABEN	IF/IAF	2700
3. 259/30 CW 049/30		WABEN	IF/IAF	2700
3. 049/17 CW 079/17		WABEN	IF/IAF	2700
4. 049/30 CW 079/30		049/17 CW 079/17		3100

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>
PENSI	IAF	WABEN	NOPT	TF	FB	1.00	168.93	7.57	2700
WABEN	IF/IAF	BRENT		TF	FB	1.00	168.96	6.70	1700
BRENT	FAF	ALICO/2.00 NM TO RW17		TF	FB	0.30	168.98	2.80	
ALICO/2.00 NM TO RW17		RW17	MAP	TF	FO	0.30	168.98	2.00	
RW17	MAP	321 MSL		CA			168.98		
321 MSL		OBUFY		DF	FO	1.00			2000



MISSED APPROACH

MAP:
LPV: DA
LNAV/VNAV: DA
LNAV: RW17

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 2000 DIRECT OBUFY AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:

PROFILE:

1. PT	SIDE OF COURSE	OUTBOUND	FT WITHIN	MILES OF (IAF)					
2.	HOLD N WABEN, RT, 168.96 INBOUND, 2700 FT. IN LIEU OF PT (IAF), MAX 14000.								
3. FAC:	168.98	FAF: BRENT	DIST FAF TO MAP: 4.80	DIST FAF TO THLD: 4.80					
4. MIN ALT:	WABEN 2700, BRENT 1700, ALICO/2.00 NM TO RW17 800*								
5. DIST TO THLD FROM OM:		MM:	IM:	150 HAT:	200 HAT: 0.47	GS ANT:			
6. MIN GP INCPT:	1700	GP ALT AT FAF : BRENT 1700		OM:		MM:		IM:	
7. GP ANGLE:	3.00	34:1: IS CLEAR	20:1: IS CLEAR	TCH: 48.4					
8. MSA FROM:									

PBN REQUIREMENTS NOTE:

RNP APCH.

NOTES:

CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW 1C OR ABOVE 54C.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT PENSI ON V198-241 WESTBOUND.
CHART NOTE: CAUTION: INTENSIVE VFR STUDENT TRAINING INVOF AIRPORT

ADDITIONAL FLIGHT DATA:

CHART VDP AT 1.10 NM TO RW17*
*LNAV ONLY
WAAS CHANNEL #97319
REFERENCE PATH ID: W17A
CHART FAS OBST: 270 TOWER 302947N/0871220W.
HOLD S, RT, 349.01 INBOUND
LTP HAE: 9.4 M

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
LPV DA	321	1800	200	321	1800	200	321	1800	200	321	1800	200			
LNAV/VNAV DA	542	4000	421	542	4000	421	542	4000	421	542	4000	421			
LNAV MDA	520	2400	399	520	2400	399	520	3500	399	520	3500	399			
CIRCLING	580	1	459	680	1	559	680	1 1/2	559	680	2	559			

CHANGES - REASONS

1. DELETED CHART NOTE DME/DME RNP-0.3 NA - ADDED PBN REQUIREMENTS NOTE: RNP APCH.
2. DELETED LNAV/VNAV INOP NOTE - NEW INOP TABLE SUPPORTS LNAV/VNAV NO LIGHT MINIMA.
3. AMENDED LNAV/VNAV DA/HAT AND VISIBILITY FROM 387/266 AND RVR 2400 TO 542/421 AND RVR 4000 - TO CLEAR FDC 8/4987.
4. AMENDED LNAV MDA/HAT FROM 480/359 TO 520/399 AND RAISED CAT C/D VISIBILITY FROM RVR 3000 TO RVR 3500 - LNAV CONTROLLING OBS HEIGHT CHANGED FROM 226 TWR TO 270 TOWER AND TO CLEAR FDC 8/4957 AND UPDATE VISIBILITY IAW 8260.3C VISIBILITY TABLES.
5. AMENDED CIRCLING CAT A MDA/HAA FROM 560/439 TO 580/559, CAT B-D FROM 720/599 TO 680/460 - TO CLEAR FDC 8/4957 AND TO MATCH OTHER SIAPS AT KPNS (CAT B-D OBST ELEVATION CHANGED FROM 368 TO 363).
6. VDP MOVED FROM .98 NM TO RW 17 TO 1.10 NM TO RW17 - NEW EVAL RESULT.
8. DELETED CHART NOTE CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}) - TCH MADE COINCIDENT.
7. FAS DATA CHANGED: LTP/FTP FROM 302858.4710N/0871126.3725W TO 302858.4723N/0871126.3617W, FPAP FROM 302731 .4500N/0871103. 1600W TO 302731.4565N/0871103.1510W , CRC REMAINDER FROM 4DFOF4EO TO B57F81EA, TCH CHANGED FROM 50.5 TO 48.4 - NEW VG SURVEY 10/04/17 AND SIAP CHANGES.



<u>AIRPORT</u> PENSACOLA INTL	<u>AIRPORT ID</u> KPNS	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 17	<u>ORIGINAL/AMENDMENT</u> 2E	<u>CITY</u> PENSACOLA	<u>STATE</u> FL
<u>COORDINATED WITH:</u>					
A4A <input checked="" type="checkbox"/> ALPA <input checked="" type="checkbox"/> AOPA <input checked="" type="checkbox"/> APA <input checked="" type="checkbox"/> HAI <input type="checkbox"/> NBAA <input checked="" type="checkbox"/> <u>OTHER:</u> PNS ATCT, PNS APCH, AMGR					
<u>FLIGHT CHECKED BY</u>		<u>OFFICE</u>	<u>DATE</u>		
<u>DEVELOPED BY</u>		<u>OFFICE</u>	<u>DATE</u>		
IVAN BLANCO		AJV-5432	06/15/2018		
<u>APPROVED BY</u>		<u>OFFICE</u>	<u>DATE</u>	<u>TITLE</u>	
PATRICK MULQUEEN		AJV-5430		MANAGER	



FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KPNS
RUNWAY	RW17
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W17A
LTP/FTP LATITUDE	302858.4720N
LTP/FTP LONGITUDE	0871126.3615W
LTP/FTP ELLIPSOIDAL HEIGHT	+00094
FPAP LATITUDE	302731.4565N
FPAP LONGITUDE	0871103.1510W
THRESHOLD CROSSING HEIGHT (TCH)	00048.4
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0616
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	35.0
CRC REMAINDER	B57F81EA

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K7
LTP ORTHOMETRIC HEIGHT	+00369
FPAP ORTHOMETRIC HEIGHT	+00369



FEDERAL AVIATION ADMINISTRATION
FLIGHT STANDARDS SERVICE
STANDARD INSTRUMENT APPROACH PROCEDURE DATA RECORD

<u>AIRPORT</u> PENSACOLA INTL	<u>AIRPORT ID</u> KPNS	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 17	<u>AMDT NO.</u> 2E	<u>CITY</u> PENSACOLA	<u>STATE</u> FL	<u>AIRPORT ELEVATION</u> 121	<u>FACILITY</u> RNAV
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PART A: OBSTRUCTION DATA SEGMENTS

STRAIGHT-IN AREA

FROM
079/30 CW 109/30

TO
079/17 CW 109/17

RNP

DISTANCE

PAT

MAP

HAT

HMAS

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
1.TOWER (01-000974)	304121.00N/0874949.00W	2049	100	20	3C	1000					3100
2.TERRAIN	304024.00N/0875118.00W	250 (300)								AS1500	1800

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT
REMARKS:

STRAIGHT-IN AREA

FROM
109/30 CW 259/30

TO
WABEN

RNP

DISTANCE

PAT

MAP

HAT

HMAS

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
3.TOWER (01-000920)	303516.78N/0873312.71W	1637	50	20	2C	1000					2700
4.TERRAIN	311124.00N/0871848.00W	391 (400)								AS1500	1900

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT
REMARKS:



STRAIGHT-IN AREA

FROM

079/17 CW 109/17

TO

WABEN

RNP	DISTANCE	PAT	MAP	HAT	HMAS							
OBSTRUCTION	COORDINATES		ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
3.TOWER (01-000920)	303516.78N/0873312.71W		1637	50	20	2C	1000					2700
5.TERRAIN	304054.00N/0872221.00W		210 (200)								AS1500	1700

COMPUTATIONS	ALT	KIAS	KTAS	HAA	VKTW	TR	BA	DTA	COURSE CHANGE	DVEB	VEB OCS	RF CENTER FIX/DISTANCE
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SEGMENT
REMARKS:

STRAIGHT-IN AREA

FROM

259/30 CW 049/30

TO

WABEN

RNP	DISTANCE	PAT	MAP	HAT	HMAS							
OBSTRUCTION	COORDINATES		ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
3.TOWER (01-000920)	303516.78N/0873312.71W		1637	50	20	2C	1000					2700
6.TERRAIN	304630.00N/0864039.00W		247 (200)								AS1500	1700

COMPUTATIONS	ALT	KIAS	KTAS	HAA	VKTW	TR	BA	DTA	COURSE CHANGE	DVEB	VEB OCS	RF CENTER FIX/DISTANCE
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SEGMENT
REMARKS:



STRAIGHT-IN AREA

FROM

049/17 CW 079/17

TO

WABEN

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>	<u>HAT</u>			<u>HMAS</u>				
<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
3.TOWER (01-000920)	303516.78N/0873312.71W	1637	50	20	2C	1000					2700
7.TERRAIN	303512.00N/0873309.00W	178 (200)								AS1500	1700

COMPUTATIONS	ALT	KIAS	KTAS	HAA	VKTW	TR	BA	DTA	COURSE CHANGE	DVEB	VEB OCS	RF CENTER FIX/DISTANCE
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SEGMENT
REMARKS:

STRAIGHT-IN AREA

FROM

049/30 CW 079/30

TO

049/17 CW 079/17

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>	<u>HAT</u>			<u>HMAS</u>				
<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
8.TOWER (01-002768)	303645.42N/0873841.60W	2047	20	3	1A	1000					3100
2.TERRAIN	304024.00N/0875118.00W	250 (300)								AS1500	1800

COMPUTATIONS	ALT	KIAS	KTAS	HAA	VKTW	TR	BA	DTA	COURSE CHANGE	DVEB	VEB OCS	RF CENTER FIX/DISTANCE
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SEGMENT
REMARKS:



FINAL: LNAV

FROM

BRENT

TO

ALICO/2.00 NM TO RW17

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>	<u>HAT</u>				<u>HMAS</u>				
	2.80											
<u>OBSTRUCTION</u>	<u>COORDINATES</u>		<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
12.AAO	303212.12N/0871218.10W		345	50	20	2C	250				DG205	800

COMPUTATIONS

ALTKIASKTASHAAVKTWTRBADTACOURSE CHANGEDVEBVEB OCSRF CENTER FIX/DISTANCE

SEGMENT
REMARKS:

FINAL: LNAV STEPDOWN

FROM

ALICO/2.00 NM TO RW17

TO

RW17

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>	<u>HAT</u>				<u>HMAS</u>				
	2.00		RW17	399								
<u>OBSTRUCTION</u>	<u>COORDINATES</u>		<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
11.TOWER (12-114613)	302947.04N/0871220.49W		270	20	3	1A	250					520

COMPUTATIONS

ALTKIASKTASHAAVKTWTRBADTACOURSE CHANGEDVEBVEB OCSRF CENTER FIX/DISTANCE

SEGMENT
REMARKS:



MISSED APPROACH : LNAV/VNAV

FROM

DA

TO

OBUFY

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>	<u>HAT</u>			<u>HMAS</u>				
							381				
<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
							ASC				2500
15.AAO	302203.00N/0870921.00W	289	250	125	4E	1000					1300
16.TERRAIN	302203.00N/0870921.00W	89 (100)								AS1500	1600

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT
REMARKS:

MISSED APPROACH : LNAV

FROM

RW17

TO

OBUFY

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>	<u>HAT</u>			<u>HMAS</u>				
							420				
<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
							ASC				2500
15.AAO	302203.00N/0870921.00W	289	250	125	4E	1000					1300
16.TERRAIN	302203.00N/0870921.00W	89 (100)								AS1500	1600

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT
REMARKS:



CIRCLING

☐ ALL CATS

☒ CAT A

☒ CAT B

☒ CAT C

☒ CAT D

☐ CAT E

☐ NOT AUTHORIZED

<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>RADIUS</u>	<u>HAA</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
CATEGORY A											
11.TOWER (12-114613)	302947.04N/0871220.49W	1.30	459	270	20	3	1A	300			580
CATEGORY B											
18.TOWER (12-003759)	303005.97N/0871023.79W	1.50	559	363	20	3	1A	300			680
CATEGORY C											
18.TOWER (12-003759)	303005.97N/0871023.79W	1.70	559	363	20	3	1A	300			680
CATEGORY D											
18.TOWER (12-003759)	303005.97N/0871023.79W	2.30	559	363	20	3	1A	300			680

CIRCLING REMARKS:

CENTER

RADIUS

MSA REMARKS:

NOTES/EXPLANATIONS FROM PROCEDURE SEGMENTS:

100' VEGETATION APPLIED PER FPT.

PART B: SUPPLEMENTAL DATA

COMMUNICATIONS WITH

PNS APP CON, PNS TOWER



PART D: AIRSPACE

DOCKET #

ALL DISTANCES TO 1/100NM; ELEVATION TO NEAREST 100 FEET; COORDINATES TO 1/100 SECOND; DEG TO 1/100 DEGREE

DISTANCE FROM	THLD	TO 1000FT POINT	2.92
WIDTH OF	FINAL	SEGMENT AT 1000FT POINT	1.20
TRUE COURSE OF	FINAL	SEGMENT CONTAINING 1000FT POINT	166.98
HIGH TERRAIN IN	FINAL	SEGMENT CONTAINING 1000FT POINT	145
DISTANCE FROM	THLD	TO 1500FT POINT	4.60
WIDTH OF	FINAL	SEGMENT AT 1500FT POINT	1.96
TRUE COURSE OF	FINAL	SEGMENT CONTAINING 1500FT POINT	166.98
HIGH TERRAIN IN	FINAL	SEGMENT CONTAINING 1500FT POINT	145

THRESHOLD
COORDINATES
(IF STR-IN)302858.47N/0871126.36W

ARP COORDINATES302824.30N/0871111.80W

RUNWAY APCH END
AND DIST FURTHEST
FROM ARP RUNWAY 26 DISTANCE 0.65 NM

FAF
COORDINATES303339.67N/0871241.45W

FIX NAME
COORDINATES

REMARKS
NO ADDITIONAL AIRSPACE REQUIRED.



<u>AIRPORT</u>	<u>AIRPORT ID</u>	<u>PROCEDURE NAME</u>	<u>AMDT NO.</u>	<u>CITY</u>	<u>STATE</u>	<u>AIRPORT ELEVATION</u>	<u>FACILITY</u>
PENSACOLA INTL	KPNS	RNAV (GPS) RWY 17	2E	PENSACOLA	FL	121	RNAV

PART E: PREPARED BY

<u>NAME</u>	<u>OFFICE</u>	<u>DATE</u>	<u>TITLE</u>
IVAN BLANCO	AJV-5432	06/15/2018	AERONAUTICAL INFORMATION SPECIALIST

