

**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><b>AIRPORT</b></u> PENSACOLA INTL	<u><b>AIRPORT ID</b></u> KPNS	<u><b>PROCEDURE NAME</b></u> RNAV (GPS) RWY 8	<u><b>ORIGINAL/AMENDMENT</b></u> 2D	<u><b>CITY</b></u> PENSACOLA	<u><b>STATE</b></u> FL
<u><b>AIRPORT ELEVATION</b></u> 121	<u><b>TDZE</b></u> 97	<u><b>SUPERSEDED</b></u> RNAV (GPS) RWY 8	<u><b>ORIGINAL/AMENDMENT</b></u> 2C	<u><b>DATED</b></u> 06/23/2016	<u><b>MAG VAR</b></u> 2W
<u><b>FACILITY</b></u> RNAV	<u><b>COORDINATES OF FACILITIES</b></u>	<u><b>ACTUAL EFFECTIVE DATE</b></u>	<u><b>REQUIRED EFFECTIVE DATE</b></u> ROUTINE	<u><b>CANCEL/SUSPEND</b></u>	<u><b>EPOCH YEAR</b></u> 2010

**TAA**

<u><b>FROM</b></u>	<u><b>FIX TYPE</b></u>	<u><b>TO</b></u>	<u><b>FIX TYPE</b></u>	<u><b>ALTITUDE</b></u>
1. 350/30 CW 112/30	NOPT	HEGOB	IF/IAF	2000
2. 112/7 CW 170/7		HEGOB	IF/IAF	2000
3. 112/30 CW 170/30	NOPT	112/7 CW 170/7		3100
4. 170/30 CW 200/30		170/9 CW 200/9		2600
5. 170/9 CW 200/9		HEGOB	IF/IAF	2000
6. 200/30 CW 350/30		HEGOB	IF/IAF	2000

**TERMINAL ROUTES**

<u><b>FROM</b></u>	<u><b>FIX TYPE</b></u>	<u><b>TO</b></u>	<u><b>FIX TYPE</b></u>	<u><b>LEG TYPE</b></u>	<u><b>FO/FB</b></u>	<u><b>RNP</b></u>	<u><b>COURSE</b></u>	<u><b>DISTANCE</b></u>	<u><b>ALTITUDE</b></u>
HEGOB	IF/IAF	TIGLE		TF	FB	1.00	079.95	6.70	1700
TIGLE	FAF	MILVE/2.00 NM TO RW08		TF	FB	0.30	080.01	2.86	
MILVE/2.00 NM TO RW08		RW08	MAP	TF	FO	0.30	080.01	2.00	
RW08	MAP	600 MSL		CA			080.01		600
600 MSL		LIYER		DF	FO	1.00			2200



MISSED APPROACH

MAP:  
LPV: DA  
LNAV/VNAV: DA  
LNAV: RW08

MISSED APPROACH INSTRUCTIONS:  
CLIMB TO 600 THEN CLIMBING LEFT TURN TO 2200 DIRECT LIYER AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:

PROFILE:

1. PT	SIDE OF COURSE	OUTBOUND	FT WITHIN	MILES OF (IAF)					
2.	HOLD W HEGOB, LT, 079.95 INBOUND, 2000 FT. IN LIEU OF PT (IAF), MAX 10000.								
3. FAC:	080.01	FAF: TIGLE	DIST FAF TO MAP: 4.86	DIST FAF TO THLD: 4.86					
4. MIN ALT:	HEGOB 2000, TIGLE 1700, MILVE/2.00 NM TO RW08 780*								
5. DIST TO THLD FROM OM:	MM:	IM:	150 HAT:	250 HAT: 0.61	GS ANT:				
6. MIN GP INCPT: 1700	GP ALT AT FAF : TIGLE 1700		OM:	MM:	IM:				
7. GP ANGLE: 3.00	34:1: IS NOT CLEAR	20:1: IS CLEAR	TCH: 55.0						
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 NOTE: RWY 8 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED.  
CHART NOTE: CAUTION: INTENSIVE VFR STUDENT TRAINING INVOF AIRPORT.

ADDITIONAL FLIGHT DATA:

CHART VDP AT 1.28 NM TO RW08\*  
\*LNAV ONLY  
WAAS CHANNEL #86219  
REFERENCE PATH ID: W08A  
CHART FAS OBST: 248 TOWER 302736N/0871337W.  
HOLD N, RT, 180.18 INBOUND  
LTP HAE: 2.2 M

MINIMUMS:

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

ALTERNATE: NA ☐ STANDARD



<u>CATEGORY:</u>	<u>A</u>			<u>B</u>			<u>C</u>			<u>D</u>			<u>E</u>		
<u>FINAL TYPE</u>	<u>DA/MDA</u>	<u>VIS</u>	<u>HAT/HAA</u>	<u>DA/MDA</u>	<u>VIS</u>	<u>HAT/HAA</u>	<u>DA/MDA</u>	<u>VIS</u>	<u>HAT/HAA</u>	<u>DA/MDA</u>	<u>VIS</u>	<u>HAT/HAA</u>	<u>DA/MDA</u>	<u>VIS</u>	<u>HAT/HAA</u>
LPV DA	347	3/4	250	347	3/4	250	347	3/4	250	347	3/4	250			
LNAV/VNAV DA	402	1	305	402	1	305	402	1	305	402	1	305			
LNAV MDA	560	1	463	560	1	463	560	1 3/8	463	560	1 3/8	463			
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 APPROACH.
2. UPDATED CHART NOTE FROM: HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED TO: RWY 8 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED - INCORPORATED FDC 6/1993.
3. ADDED VDP AT 1.28 NM TO RW08 - INCORPORATED FDC 6/1993.
4. UPDATED UNCOMPENSATED BARO-VNAV SYSTEMS TEMP FROM NA BELOW 1C (34F) OR ABOVE 43C (109F) TO NA BELOW 1C OR ABOVE 54C - INCORPORATED FDC 6/1993.
5. AMENDED LPV ALL CATS VISIBILITY FROM 1 TO 3/4 SM - INCORPORATED FDC 6/1993.
6. AMENDED CIRCLING CAT A MDA/HAA FROM 560/439 TO 580/460, CAT B-D FROM 720/599 TO 680/560- NEW VG SURVEY 10/04/2017 AND TO MATCH OTHER SIAPS AT KPNS.
7. LNAV/VNAV HMAS CHANGED FROM 241 TO 271 - NEW EVALUATION RESULT WITH NEW SURVEY AND UPDATED BARO-VNAV TEMPS.
8. FAS DATA CHANGED: LTP/FTP FROM 302816.8010N/0871145.3800W TO 302835.2700N/0871004.5000W, FPAP LAT/LONG FROM 302835.2700N/0871004.5000W TO 302835.2695N/0871004.4990W, CRC REMAINDER FROM F7761EFB TO ADA2920D- NEW VG SURVEY 10/04/2017.



<u>AIRPORT</u> PENSACOLA INTL	<u>AIRPORT ID</u> KPNS	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 8	<u>ORIGINAL/AMENDMENT</u> 2D	<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

DATA FIELD	DATA
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KPNS
RUNWAY	RW08
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W08A
LTP/FTP LATITUDE	302816.8030N
LTP/FTP LONGITUDE	0871145.3770W
LTP/FTP ELLIPSOIDAL HEIGHT	+00022
FPAP LATITUDE	302835.2695N
FPAP LONGITUDE	0871004.4990W
THRESHOLD CROSSING HEIGHT (TCH)	00055.0
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)	50.0
CRC REMAINDER	ADA2920D
ADDITIONAL PATH POINT RECORD INFORMATION	
ICAO CODE	K7
LTP ORTHOMETRIC HEIGHT	+00296
FPAP ORTHOMETRIC HEIGHT	+00296



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 8	<u>AMDT NO.</u> 2D	<u>CITY</u> PENSACOLA	<u>STATE</u> FL	<u>AIRPORT ELEVATION</u> 121	<u>FACILITY</u> RNAV
----------------------------------	---------------------------	---	-----------------------	--------------------------	--------------------	---------------------------------	-------------------------

PART A: OBSTRUCTION DATA SEGMENTS

STRAIGHT-IN AREA

FROM  
350/30 CW 112/30

TO  
HEGOB

RNP

DISTANCE

PAT

MAP

HAT

HMAS

<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 (01-001568)	303116.00N/0872931.00W	548	50	20	2C	1000				AT452	2000
4.TERRAIN	303742.00N/0875157.00W	214 (200)								AS1500	1700

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT  
REMARKS:

STRAIGHT-IN AREA

FROM  
112/7 CW 170/7

TO  
HEGOB

RNP

DISTANCE

PAT

MAP

HAT

HMAS

<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 (01-001568)	303116.00N/0872931.00W	548	50	20	2C	1000				AT542	2100
4.TERRAIN	303742.00N/0875157.00W	214 (200)								AS1500	1700

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT  
REMARKS:



STRAIGHT-IN AREA

FROM

112/30 CW 170/30

TO

112/7 CW 170/7

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	304306.00N/0875518.00W		338 (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

170/30 CW 200/30

TO

170/9 CW 200/9

RNP	DISTANCE	PAT	MAP	HAT	HMAS							
OBSTRUCTION	COORDINATES		ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
5.TOWER (12-002438)	304220.00N/0872412.00W		1549	500	50	5D	1000					2600
6.TERRAIN	305654.00N/0873133.00W		329 (300)								AS1500	1800

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

SEGMENT  
REMARKS:









FINAL: LNAV STEPDOWN

FROM

MILVE/2.00 NM TO RW08

TO

RW08

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>	<u>HAT</u>			<u>HMAS</u>					
	2.00		RW08	463								
<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>
14.TOWER (12-001256)	302736.00N/0871337.00W		248	500	50	5D	250				AC50	560

<u>COMPUTATIONS</u>	<u>ALT</u>	<u>KIAS</u>	<u>KTAS</u>	<u>HAA</u>	<u>VKTW</u>	<u>TR</u>	<u>BA</u>	<u>DTA</u>	<u>COURSE CHANGE</u>	<u>DVEB</u>	<u>VEB OCS</u>	<u>RF CENTER FIX/DISTANCE</u>
---------------------	------------	-------------	-------------	------------	-------------	-----------	-----------	------------	----------------------	-------------	----------------	-------------------------------

SEGMENT  
REMARKS:

HOLD-IN-LIEU OF PT

FROM

HEGOB

TO

P-4

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>	<u>HAT</u>			<u>HMAS</u>					
		P-4										
<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>
15.TOWER (01-002682)	302530.00N/0873435.00W		430	20	3	1A	1000				AT570	2000
16.TERRAIN	303030.00N/0872327.00W		171 (200)								AS1500	1700

<u>COMPUTATIONS</u>	<u>ALT</u>	<u>KIAS</u>	<u>KTAS</u>	<u>HAA</u>	<u>VKTW</u>	<u>TR</u>	<u>BA</u>	<u>DTA</u>	<u>COURSE CHANGE</u>	<u>DVEB</u>	<u>VEB OCS</u>	<u>RF CENTER FIX/DISTANCE</u>
---------------------	------------	-------------	-------------	------------	-------------	-----------	-----------	------------	----------------------	-------------	----------------	-------------------------------

SEGMENT  
REMARKS:



MISSED APPROACH : LPV

FROM

DA

TO

LIYER

RNP	DISTANCE	PAT	MAP	HAT	HMAS						
						158					
OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
							ASC				2200
17.TOWER (12-003137)	303519.10N/0870418.80W	595	500	50	5D	1000					1600
18.TERRAIN	303421.00N/0870609.00W	171 (200)								AS1500	1700

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT  
REMARKS:

MISSED APPROACH : LNAV/VNAV

FROM

DA

TO

LIYER

RNP	DISTANCE	PAT	MAP	HAT	HMAS						
						241					
OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
							ASC				2200
17.TOWER (12-003137)	303519.10N/0870418.80W	595	500	50	5D	1000					1600
18.TERRAIN	303421.00N/0870609.00W	171 (200)								AS1500	1700

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT  
REMARKS:



MISSED APPROACH : LNAV

FROM

RW08

TO

LIYER

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>	<u>HAT</u>			<u>HMAS</u>				
							460				
<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				2200
17.TOWER (12-003137)	303519.10N/0870418.80W	595	500	50	5D	1000					1600
18.TERRAIN	303421.00N/0870609.00W	171 (200)								AS1500	1700

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

OBSTRUCTION	COORDINATES	RADIUS	HAA	ELEV MSL	HORZ	VERT	AC	ROC	OCS	ADJUSTMENTS	MIN ALT
CATEGORY A											
19. TOWER (12-114613)	302947.04N/0871220.49W	1.30	459	270	20	3	2C	300			580
CATEGORY B											
20.TOWER (12-003759)	303005.97N/0871023.79W	1.50	559	363	20	3	1A	300			680
CATEGORY C											
20.TOWER (12-003759)	303005.97N/0871023.79W	1.70	559	363	20	3	1A	300			680
CATEGORY D											
20.TOWER (12-003759)	303005.97N/0871023.79W	2.30	559	363	20	3	1A	300			680

CIRCLING REMARKS:





<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 8	2D	PENSACOLA	FL	121	RNAV

**CRITICAL TEMPERATURES**

<u>CRITICAL LOW</u>	<u>CRITICAL HIGH</u>	<u>ACT</u>	<u>APT ISA</u>
+1C	+54C	+1C	+14.76C

**CRITICAL TEMPERATURE REMARKS:**

AVERAGE COLD TEMPERATURE DERIVED FROM 5-YEAR HISTORY (2010-2015).  
CRITICAL LOW TEMPERATURE BASED ON ACT.  
DESCENT RATE (FPM): STANDARD TEMP 955 HIGH TEMP 1115.

**"VISUAL PORTION OF FINAL" PENETRATIONS**

Final Type	LNAV, LNAV/VNAV, LPV
34:1	
130 TREE (12-028971) 302817.63N/0871157.88W (7.81)	

**HELICOPTER 'VISUAL PORTION OF FINAL' PENETRATIONS**

and/or  
**5280-FT "PROCEED VFR" SEGMENT LEVEL SURFACE AREA PENETRATIONS**

**PART C: GENERAL REMARKS:**

PRECIPITOUS TERRAIN EVALUATION COMPLETED.



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	2.81
WIDTH OF	FINAL	SEGMENT AT 1000FT POINT	1.58
TRUE COURSE OF	FINAL	SEGMENT CONTAINING 1000FT POINT	078.01
HIGH TERRAIN IN	FINAL	SEGMENT CONTAINING 1000FT POINT	148
DISTANCE FROM	THLD	TO 1500FT POINT	4.61
WIDTH OF	FINAL	SEGMENT AT 1500FT POINT	2.00
TRUE COURSE OF	FINAL	SEGMENT CONTAINING 1500FT POINT	078.01
HIGH TERRAIN IN	FINAL	SEGMENT CONTAINING 1500FT POINT	148

THRESHOLD  
COORDINATES  
(IF STR-IN)302816.80N/0871145.38W

ARP COORDINATES302824.30N/0871111.80W

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

FAF  
COORDINATES302716.21N/0871715.48W

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 8	2D	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

