Flight Procedure Tracking Form	Action: FLIGHT CHECK	Task Type: IAP	Date Open: 04/25/2012	Task #: 2009082417735803067	Request #: 20090824177358
Procedure: RNAV (RNP) Y RWY 32 ORIG		Airport ID: KJAX	Airport: JACKSONVILLE INTL		Reimbursable #:
City: JACKSONVILLE	ST: FL	GPS #:		Estimated Chart Date: 01/10/2013	FICO #:
Fac ID:	Fac. Type: RNP		Specialist: DAVID SAUER		

Procedure Review

P1

	Rec'd	Rel'd	Full Name	Comments
Lead:	05/17/2012	10/01/2012	STEVEN SZUKALA	
QA:	10/01/2012	10/01/2012	STEVEN SZUKALA	
Liaison:	10/01/2012		Spurlin	WAIVER

Procedure Comments:

Remark Type: INFORMATION

pg 5 of 8

JACKSONVILLE, FL JACKSONVILLE INTL (KJAX) RNAV (RNP) Y RWY 32, ORIG (RNP) ENROUTE-NO FC: 11.27.12 PUB: 1.10.13

ATTACHED FORMS: 8260-3; 8260-10; 8260-9; 8260-2(S): ACENE, ORIG; AXXEG, ORIG; AZYUJ, ORIG; CALIM, ORIG; CFVVD, ORIG; CFVVF, ORIG; FOSOL, ORIG; GURDE, ORIG; POTME, REV 4; WOMVO, ORIG; ZAXIT, ORIG; OSBAJ, REV 2.

CONTACT: DON SMITH/MARLON ROBINSON-AJV-352 LEADS, 405.954.1036 / 405.954.3636.

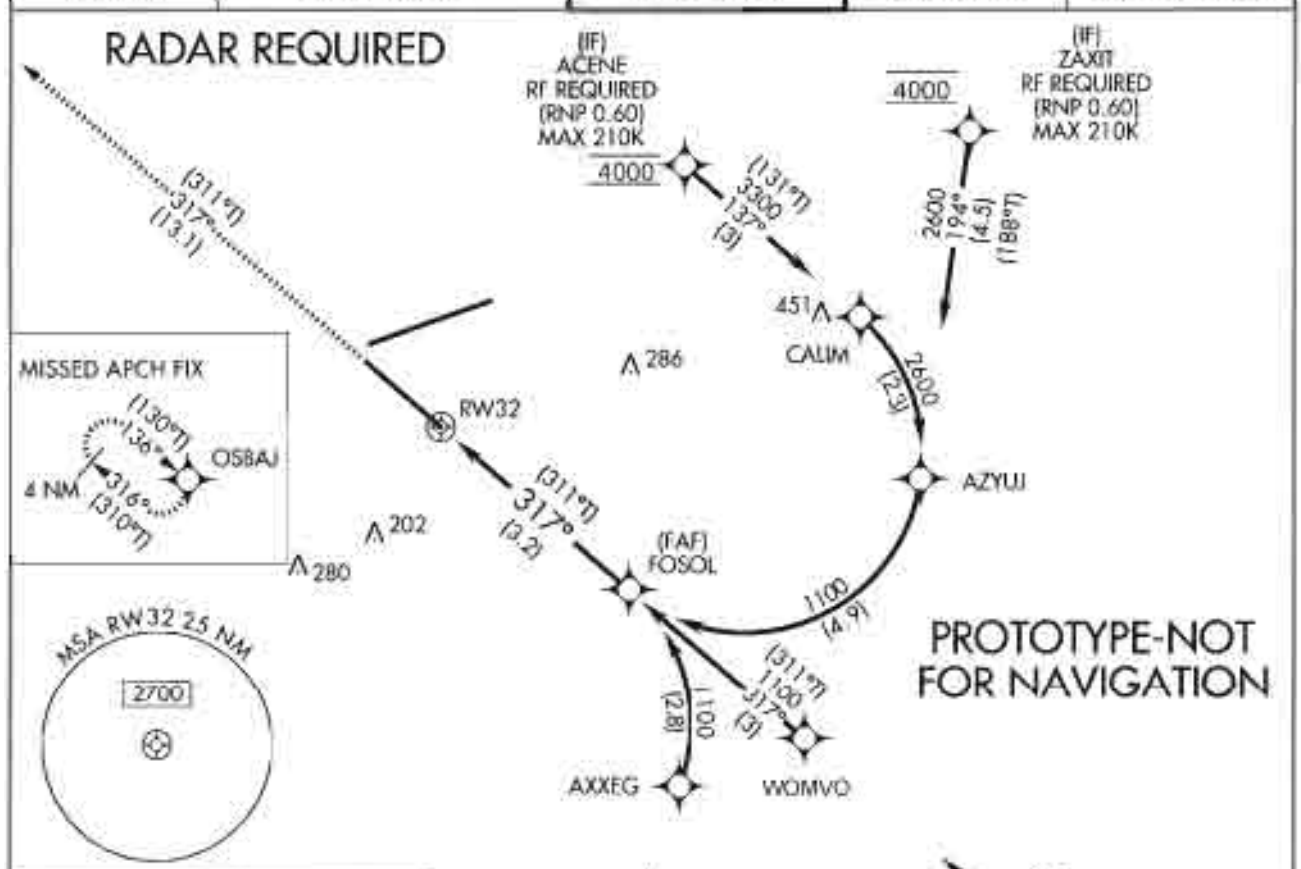
APP CRS	Rwy ldg	7701
317°	THRE	24
	Apt Elev	29

RNAV (RNP) Y RWY 32
JACKSONVILLE INTL (JAX)

For uncompensated Baro-VNAV systems, procedure NA below -5°C (23°F) or above 54C (130F). GPS required.

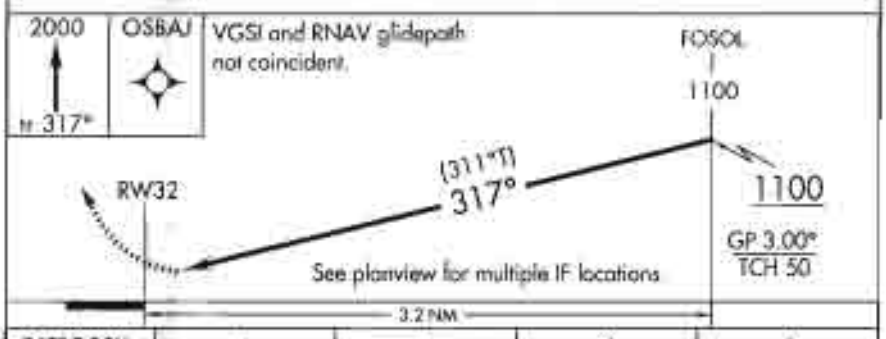
MISSED APPROACH: Climb to 2000 on track 317° to OSBAJ and hold.

ATIS	JACKSONVILLE APP CON	JACKSONVILLE TOWER	GND CON	CLNC DEL
125.85	119.0 335.6	118.3 317.7	121.9 348.6	119.5 290.275



ELEV 29	THRE 24

ACENE: 3032.063N / 08137.278W
AXXEG: 3024.034N / 08137.346W
AZYUJ: 3028.031N / 08133.737W
CALIM: 3030.107N / 08134.641W
CFVVD: 3028.356N / 08136.372W
CFVVF: 3024.853N / 08139.833W
FOSOL: 3026.604N / 08138.103W
GURDE: 3020.474N / 08138.906W
OSBAJ: 3037.199N / 08152.431W
POTME: 3021.006N / 08130.566W
WOMVO: 3024.649N / 08135.467W
ZAXIT: 3032.492N / 08133.007W
RW32: 3028.704N / 08140.936W



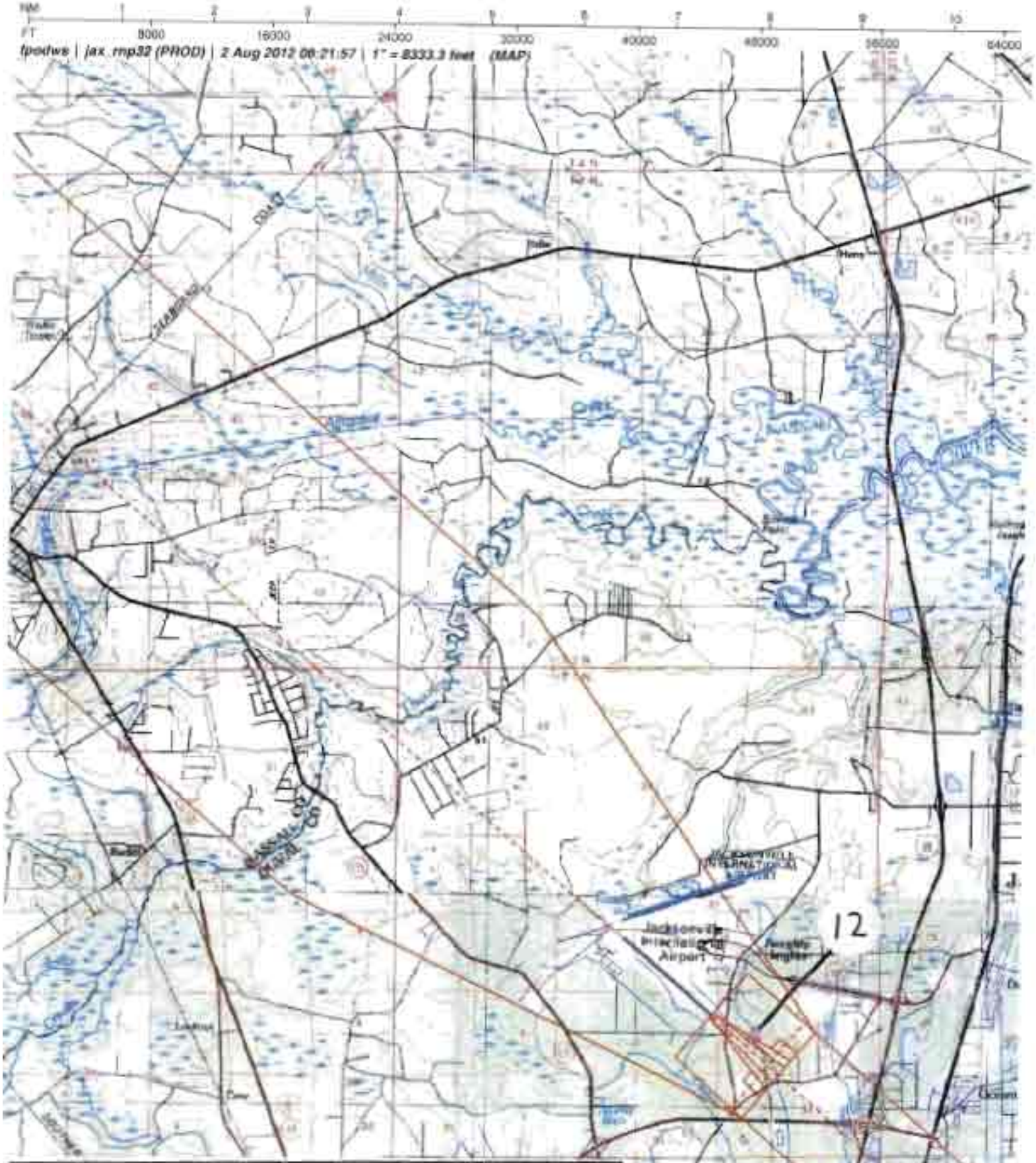
317° to RW32

REIL Rwy 32
TDZ/CL Rwys 8, 14, and 26
HIRL Rwys 8-26 and 14-32

CATEGORY	A	B	C	D
RNP 0.30 DA	383-1⅛		359 (400-1⅛)	

AUTHORIZATION REQUIRED

Airport ID:	KJAX	FM 9			
Apt Name:	JACKSONVILLE INTL	No	SEGMENT	OBSTRUCTION	ELEV
City:	JACKSONVILLE		FINAL (RNP 0.3)		ASC
State:	FL	1	ACENE – CALIM	TOWER	451
Proc ID:	RNAV (RNP) Y RWY 32	1	CALIM – AZYUJ	TOWER	451
Amdt #:	ORIG	4	ZAXIT – AZYUJ	TOWER	506
Scale:	1:500,000	6	AZYUJ - FOSOL	STACK	442
		7	POTME – YAJJU	BRIDGE	490
		6	YAJJU – FOSOL	STACK	442
		10	GURDE – AXXEG	TOWER	1041
		6	AXXEG – FOSOL	STACK	442
		13	MISSED APP	TOWER	492
		13	HOLDING	TOWER	492



Airport ID	KJAX	FM 9			
Apt Name	JACKSONVILLE INTL	No	SEGMENT	OBSTRUCTION	ELEV
City	JACKSONVILLE		FINAL (RNP 0.3)		ASC
State	FL	12	MISSED PEN	TREE	121
Proc ID	RNAV (RNP) Y RWY 32				
Amdt #	ORIG				
Scale	1:100,000				

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

RNAV (RNP) - STANDARD, INSTRUMENT APPROACH PROCEDURE, TITLE 14 CFR PART 97.33

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TERMINAL ROUTES

FROM	TO	COURSE AND DISTANCE	ALTITUDE
ACENE (IF)	CALIM (TF) (FB) (RNP 1.00)	136.57 / 3.00	3300
CALIM	AZYUJ (RF) (FB) (RNP 1.00)	(2.30 NM RADIUS CW (CFVVD))/2.31	2600
ZAXIT (IF)	AZYUJ (TF) (FB) (RNP 1.00)	194.08 / 4.49	2600
AZYUJ	FOSOL (RF) (FB) (RNP 0.60)	(2.30 NM RADIUS CW (CFVVD))/4.92	1100
POTME (IF)	WOMVO (TF) (FB) (RNP 1.00)	316.63 / 5.58	1700
(SEE FORM 8260-10)			

MISSED APPROACH

RNP: DA

CLIMB TO 2000 ON TRACK 316.55 TO OSBAJ AND HOLD.

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. PROFILE STARTS AT FOSOL
3. FAC: 316.57 FAF: ____ DIST FAF TO MAP: ____ THLD: ____
4. MIN. ALT: FOSOL 1100
5. DIST TO THLD FROM OM: 3.22 MM: ____ IM: ____ 150 HAT: ____ 100 HAT: ____ GS ANT: ____
6. MIN GS INCPT: 1100 GS ALT AT: FOSOL 1100 OM: ____ MM: ____ IM: ____
7. GS ANGLE: 3.00 TCH: 50.0# 34:1 IS NOT CLEAR
8. MSA FROM: RW32 2700

ADDITIONAL FLIGHT DATA:
HOLD NW, RT, 136.44 INBOUND.
CHART CHART MAYPORT LOW/HIGH MOA.
DISTANCE TO THLD FROM 359 HATH: 0.97 NM.
CHART MANDATORY 4000 AT ZAXIT.
CHART MANDATORY 3000 AT POTME.
CHART MANDATORY 3000 AT GURDE.
ROUTE TYPE QUALIFIER 1:F
ROUTE TYPE: A,H
ROUTE TYPE QUALIFIER 2:S
TCH 74.0 MSL (DO NOT CHART)
CHART MANDATORY 4000 AT ACENE.

MAG VAR: 6W EPOCH YEAR: 2010

MINIMUMS

TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT | ALTERNATE: N A | STANDARD

CATEGORY =====>	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
AUTHORIZATION REQUIRED															
RNP 0.30 DA	383	1 1/8	359	383	1 1/8	359	383	1 1/8	359	383	1 1/8	359			

NOTES:
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, PROCEDURE NA BELOW -5C (23F) OR ABOVE 54C (130F).
CHART NOTE: GPS REQUIRED.
CHART PLANVIEW NOTE AT ZAXIT : MAX 210 KIAS.
CHART PLANVIEW NOTE AT GURDE : MAX 210 KIAS.
(SEE FORM 8260-10)

QUALITY CHECKED

CITY AND STATE	ELEVATION: 29 THRE: 24 AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
JACKSONVILLE, FL	JACKSONVILLE INTL	RNAV	RNAV (RNP) Y RWY 32, ORIG	AMDT: NONE
				DATED

ALL AFFECTED PROCEDURES REVIEWED?	COORDINATES OF FACILITIES	REQUIRED EFFECTIVE DATE
[ ] YES [X] NO		ROUTINE

COORDINATED WITH:

ATA	AAT	ALPA	APA	AOPA	NBAA	OTHER (specify)
X		X	X	X	X	X ZJX, JAX ATCD, JAX APP CON, JAX AMGR, ANG

FLIGHT CHECKED BY		
NAME:	FIFO	DATE:
DEVELOPED BY		
NAME: DAVID SAUER	FIFO AJV-352	DATE: 08/01/2012
APPROVED BY		
NAME: DARRYEL ADAMS MANAGER	FIFO AJV-352	DATE:

CHANGES:

REASONS:

PDF EDITS:
1. 8260-3, LINE 1: DELETED "NA".
2. 8260-3, LINE 5: ADDED DIST TO THLD FROM OM: "3.22".
3. 8260-10, TERMINAL ROUTES CONT: ADDED "(FAF)" NEXT TO FOSOL; COMBINED LAST TWO LINES, GOT RID OF 383 MSL, ADDED 2000.
4. 8260-9, PAGE 1 AND 2 FRONT: ADDED RNP VALUE NEXT TO EACH APP SEGMENT.
5. 8260-3, LINE 7: ADDED # NEXT TO 50.0.
6. 8260-3, MINIMUMS: CHANGED "RNP 0.3 DA" TO "RNP 0.30 DA".
7. 8260-9, MOVED MISSED APPROACH TO STANDARD RNP DEPICTION OF DA TO RW32 AND RW32 TO OSBAJ.
8. 8260-9, BACK PAGE, BLOCK 10 AND REMARKS, CHANGE WAIVER REFERENCE TO AFS-400 MEMORANDUM DATED 10/3/11, REVISED PERFORMANCE BASED NAVIGATION (PBN) FLY-BY (FB) /RADIUS-TO-FIX (RF) TURN MAXIMUM BANK ANGLE LIMITS, PARAGRAPH 1.B.

QUALITY CHECKED

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TERMINAL ROUTES, (CONT.):

FROM	TO	COURSE AND DISTANCE	ALTITUDE
WOMVO	FOSOL (TF) (FB) (RNP 1.00)	316.58 / 3.00	1100
GURDE (IF)	AXXEG (TF) (FB) (RNP 1.00)	026.80 / 3.80	1900
AXXEG	FOSOL (RF) (FB) (RNP 1.00)	(2.30 NM RADIUS CCW (CFVVF))/2.82	1100
FOSOL (FAF)	RW32 (MAP) (TF) (FO)	316.57 / 3.22	
RW32 (MAP)	OSBAJ (TF) (FO) (RNP 1.00)	316.55 / 13.05	2000

NOTES, (CONT.):
CHART PLANVIEW NOTE AT ACENE : MAX 210 KIAS.
CHART PLANVIEW NOTE: RADAR REQUIRED.
CHART PLANVIEW NOTE ADJACENT TO ACENE: RF REQUIRED.
CHART PLANVIEW NOTE ADJACENT TO ZAXIT: RF REQUIRED.
CHART PLANVIEW NOTE ADJACENT TO GURDE: RF REQUIRED.
CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT.
CHART PLANVIEW NOTE AT ACENE: (RNP 0.60).
CHART PLANVIEW NOTE AT ZAXIT: (RNP 0.60).
CHART PROFILE NOTE: SEE PLANVIEW FOR MULTIPLE IF LOCATIONS.

QUALITY 4 CHECKED

CITY AND STATE	ELEVATION: 29 THRE: 24	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
JACKSONVILLE, FL	AIRPORT NAME: JACKSONVILLE INTL	RNAV	RNAV (RNP) Y RWY 32, ORIG	AMDT: NONE
				DATED:

ALL AFFECTED PROCEDURES REVIEWED?	COORDINATES OF FACILITIES	REQUIRED EFFECTIVE DATE
☐ YES ☐ NO		

COORDINATED WITH:

ATA	AAT	ALPA	APA	AOPA	NBAA	OTHER (specify)
☐	☐	☐	☐	☐	☐	☐ _____

FLIGHT CHECKED BY		
NAME:	FIFO	DATE:
DEVELOPED BY		
NAME:	FIFO	DATE:
APPROVED BY		
NAME:	FIFO	DATE:

CHANGES:

REASONS:

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

RNAV (RNP) STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - **FAR PART 97.33**

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ARINC PACKET - 424-18 - RNAV (RNP)

```
                 1         2         3         4         5         6         7         8         9         0         1         2         3
WP      123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAEAENRT   ACENE K70    W     N30320376W081371670                      W0061     NAR           ACENE
        SUSAEAENRT   AXXEG K70    W     N30240202W081372078                      W0061     NAR           AXXEG
        SUSAEAENRT   AZYUJ K70    W     N30280187W081334424                      W0061     NAR           AZYUJ
        SUSAEAENRT   CALIM K70    W     N30300640W081343845                      W0061     NAR           CALIM
        SUSAEAENRT   CFVVD K70    W     N30282134W081362234                      W0061     NAR           CNF(CFVVD)
        SUSAEAENRT   CFVVF K70    W     N30245116W081394995                      W0060     NAR           CNF(CFVVF)
        SUSAEAENRT   FOSOL K70    W     N30263626W081380618                      W0061     NAR           FOSOL
        SUSAEAENRT   GURDE K70    W     N30202842W081385438                      W0060     NAR           GURDE
        SUSAEAENRT   OSBAJ K70    W     N30371193W081522585                      W0059     NAR           OSBAJ
        SUSAEAENRT   POTME K70    W     N30210033W081303397                      W0061     NAR           POTME
        SUSAEAENRT   WOMVO K70    W     N30243892W081352804                      W0061     NAR           WOMVO
        SUSAEAENRT   ZAXIT K70    W     N30322950W081330039                      W0061     NAR           ZAXIT

                 1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KJAXK7AJAX     0     100YHN30293860W081411630W006000029         1800018000C    MNAR    JACKSONVILLE INTL

                 1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KJAXK7FH32-Y AACENE 010ACENEK7EA0E  B    IF                                  04000     18000210              A-FS
        SUSAP KJAXK7FH32-Y AACENE 020CALIMK7EA0E    010TF                              + 03300                           A FS
        SUSAP KJAXK7FH32-Y AACENE 030AZYUJK7EA0E   R010RF       0023001366    19410023  + 02600                 CFVVD K7EAA FS
        SUSAP KJAXK7FH32-Y AACENE 040FOSOLK7EA0EE  R061RF       0023001941    31660049  + 01100                 CFVVD K7EAA FS
        SUSAP KJAXK7FH32-Y AGURDE 010GURDEK7EA0E  B    IF                                  03000     18000210              A-FS
        SUSAP KJAXK7FH32-Y AGURDE 020AXXEGK7EA0E    010TF                              + 01900                           A FS
        SUSAP KJAXK7FH32-Y AGURDE 030FOSOLK7EA0EE  L010RF       0023000268    31660028  + 01100                 CFVVF K7EAA FS
        SUSAP KJAXK7FH32-Y APOTME 010POTMEK7EA0E  B    IF                                  03000     18000                 A FS
        SUSAP KJAXK7FH32-Y APOTME 020WOMVOK7EA0E    010TF                              + 01700                           A FS
        SUSAP KJAXK7FH32-Y APOTME 030FOSOLK7EA0EE   010TF                              + 01100                           A FS
        SUSAP KJAXK7FH32-Y AZAXIT 010ZAXITK7EA0E  B    IF                                  04000     18000210              A-FS
        SUSAP KJAXK7FH32-Y AZAXIT 020AZYUJK7EA0E    010TF                              + 02600                           A FS
        SUSAP KJAXK7FH32-Y AZAXIT 030FOSOLK7EA0EE  R061RF       0023001941    31660049  + 01100                 CFVVD K7EAA FS
        SUSAP KJAXK7FH32-Y H      020FOSOLK7EA1E  F    IF                              + 01100     18000       RW32  K7PGA FS
        SUSAP KJAXK7FH32-Y H      020FOSOLK7EA2W                                            A031                          FS
        SUSAP KJAXK7FH32-Y H      030RW32 K7PG0GY M 031TF                                 00074             -300        A FS
        SUSAP KJAXK7FH32-Y H      040OSBAJK7EA0EYM  010TF                              + 02000                           A FS
        SUSAP KJAXK7FH32-Y H      050OSBAJK7EA0EE  R   HM                       13640040 + 02000                           A FS

                 1         2         3         4         5         6         7         8         9         0         1         2         3
```

QUALITY CHECKED

CITY AND STATE	ELEVATION: 29 THRE: 24	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
JACKSONVILLE, FL	AIRPORT NAME: **JACKSONVILLE INTL**	**RNAV**	**RNAV (RNP) Y RWY 32, ORIG**	AMDT: **NONE**
				DATED:

ALL AFFECTED PROCEDURES REVIEWED?	COORDINATES OF FACILITIES	REQUIRED EFFECTIVE DATE
☐ YES ☐ NO		

COORDINATED WITH:

ATA ☐ AAT ☐ ALPA ☐ APA ☐ AOPA ☐ NBAA ☐ OTHER (specify) ☐ _____

FLIGHT CHECKED BY		
NAME:	FIFO	DATE:
DEVELOPED BY		
NAME:	NFPG	DATE:
APPROVED BY		
NAME:	NFPG	DATE:

CHANGES:

REASONS:

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```
RUNWAY  123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KJAXK7GRW32    0077013165 N30284224W081405613+0000    -0021000024000050150R

                 1         2         3         4         5         6         7         8         9         0         1         2         3
MSA     123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KJAXK7SRW32 K7PG               0   18018002725                                                                          M
```

CITY AND STATE	ELEVATION: 29 THRE: 24	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
JACKSONVILLE, FL	AIRPORT NAME: JACKSONVILLE INTL	RNAV	RNAV (RNP) Y RWY 32, ORIG	AMDT: NONE
				DATED:

ALL AFFECTED PROCEDURES REVIEWED?	COORDINATES OF FACILITIES	REQUIRED EFFECTIVE DATE
☐ YES ☐ NO		

COORDINATED WITH:

ATA ☐ AAT ☐ ALPA ☐ APA ☐ AOPA ☐ NBAA ☐ OTHER (specify) ☐ _____

FLIGHT CHECKED BY		
NAME:	FIFO	DATE:
DEVELOPED BY		
NAME:	NFPG	DATE:
APPROVED BY		
NAME:	NFPG	DATE:

CHANGES:

REASONS:

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

RNAV (RNP) STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - **FAR PART 97.33**

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ARINC SUMMARY - 424-18 - RNAV (RNP)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
	ACENE	ACENE	010		IF		FB				AT 04000	AB 210
	ACENE	CALIM	020		TF		FB	1.0			AA 03300	
	ACENE	AZYUJ	030		RF	R	FB	1.0		002.3	AA 02600	
	ACENE	FOSOL	040		RF	R	FB	0.6		004.9	AA 01100	
	GURDE	GURDE	010		IF		FB				AT 03000	AB 210
	GURDE	AXXEG	020		TF		FB	1.0			AA 01900	
	GURDE	FOSOL	030		RF	L	FB	1.0		002.8	AA 01100	
	POTME	POTME	010		IF		FB				AT 03000	
	POTME	WOMVO	020		TF		FB	1.0			AA 01700	
	POTME	FOSOL	030		TF		FB	1.0			AA 01100	
	ZAXIT	ZAXIT	010		IF		FB				AT 04000	AB 210
	ZAXIT	AZYUJ	020		TF		FB	1.0			AA 02600	
	ZAXIT	FOSOL	030		RF	R	FB	0.6		004.9	AA 01100	
		FOSOL	020	FAF	IF		FB				AA 01100	
		RW32	030	MAP	TF		FO	0.3			AT 00074	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
	OSBAJ	040		TF		FO	1.0			AA 02000	
	OSBAJ	050		HM	R	FO		136.4(130.4T)	004.0	AA 02000	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	ACENE	N303203.76	W0813716.70	N3032.063	W08137.278
	AXXEG	N302402.02	W0813720.78	N3024.034	W08137.346
	AZYUJ	N302801.87	W0813344.24	N3028.031	W08133.737
	CALIM	N303006.40	W0813438.45	N3030.107	W08134.641
	CFVVD	N302821.34	W0813622.34	N3028.356	W08136.372
	CFVVF	N302451.16	W0813949.95	N3024.853	W08139.833
	FOSOL	N302636.26	W0813806.18	N3026.604	W08138.103
	GURDE	N302028.42	W0813854.38	N3020.474	W08138.906
	OSBAJ	N303711.93	W0815225.85	N3037.199	W08152.431
	POTME	N302100.33	W0813033.97	N3021.006	W08130.566
	WOMVO	N302438.92	W0813528.04	N3024.649	W08135.467
	ZAXIT	N303229.50	W0813300.39	N3032.492	W08133.007
	RW32	N302842.24	W0814056.13	N3028.704	W08140.936

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW32	00024	50

QUALITY CHECKED

CITY AND STATE	ELEVATION: 29 THRE: 24	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
JACKSONVILLE, FL	AIRPORT NAME: JACKSONVILLE INTL	RNAV	RNAV (RNP) Y RWY 32, ORIG	AMDT: NONE
				DATED:

ALL AFFECTED PROCEDURES REVIEWED?	COORDINATES OF FACILITIES	REQUIRED EFFECTIVE DATE
☐ YES ☐ NO		

COORDINATED WITH:

ATA ☐ AAT ☐ ALPA ☐ APA ☐ AOPA ☐ NBAA ☐ OTHER ☐ (specify) _____

FLIGHT CHECKED BY		
NAME:	FIFO	DATE:
DEVELOPED BY		
NAME:	NFPG	DATE:
APPROVED BY		
NAME:	NFPG	DATE:

CHANGES:

REASONS:

STANDARD INSTRUMENT APPROACH PROCEDURE DATA RECORD

PART - A OBSTRUCTION DATA

1. APP SEGMENT	FROM	TO	OBSTRUCTION	COORDINATES	ELEV. MSL	ROC	ALT. ADJUSTMENTS	MIN. ALT.
INTERMEDIATE (RNP 1.00)	ACENE	CALIM	1. TOWER (12-002493)	303005.19N/0813513.62W	451 (1A)	500	AC3 DG2346	3300
			2. TERRAIN	303024.00N/0813724.00W	50 (100)		AS1500	1600
INTERMEDIATE: (RNP 1.00)	CALIM	AZYUJ	1. TOWER (12-002493)	303005.19N/0813513.62W	451 (1A)	500	AC3 DG1646	2600
STEPDOWN			3. TERRAIN	303015.00N/0813430.00W	46 (0)		AS1500	1500
INTERMEDIATE (RNP 1.00)	ZAXIT	AZYUJ	4. TOWER (12-002764)	303323.00N/0813312.00W	506 (5D)	500	AC50 DG1544	2600
			5. TERRAIN	303006.00N/0813524.00W	50 (100)		AS1500	1600
INTERMEDIATE: (RNP 0.60)	AZYUJ	FOSOL	6. STACK (12-002979)	302523.00N/0813627.00W	442 (5D)	500	AC50	1000
STEPDOWN			5. TERRAIN	303006.00N/0813524.00W	50 (100)		AS1000	1100
INTERMEDIATE (RNP 1.00)	POTME	WOMVO	7. BRIDGE (12-002153)	302259.00N/0813323.00W	490 (5D)	500	AC50 DG660	1700
			8. TERRAIN	302212.00N/0813003.00W	92 (100)		AS1500	1600
INTERMEDIATE: (RNP 1.00)	WOMVO	FOSOL	6. STACK (12-002979)	302523.00N/0813627.00W	442 (5D)	500	AC50	1000
STEPDOWN			9. TERRAIN	302518.00N/0813733.00W	79 (100)		AS1000	1100
INTERMEDIATE (RNP 1.00)	GURDE	AXXEG	10. TOWER (12-000024)	301922.85N/0813833.34W	1041 (3D)	500	AC50 DG309	1900
			11. TERRAIN	302142.00N/0813624.00W	66 (100)		AS1500	1600
2. PROCEDURE TURN	NA							
3. MISSED APPROACH — MAP:								
3. MISSED APPROACH — ELEV:								

4. CIRCLING AREA	DISTANCE	HT. ABV. ARPT. REQUIRED	HT. ABV. ARPT. ACTUAL
CATEGORY A	1.3 NM	350	
CATEGORY B	1.5 NM	450	
CATEGORY C	1.7 NM	450	
CATEGORY D	2.3 NM	550	
CATEGORY E	4.5 NM	550	

5. MINIMUM SAFE ALTITUDES — PRIMARY NAVAID: RW32

SECTOR	OBSTRUCTION	BRG/DIST	ELEVATION (MSL)	M S A	SECTOR	OBSTRUCTION	BRG/DIST	ELEVATION (MSL)	M S A
360-360	TWR (13-001501)	358/ 20.7	1641 (5D)	2700					

CITY AND STATE	ELEVATION: 29 / AIRPORT NAME:	FACILITY	PROCEDURE AND AMENDMENT NO:	REGION
JACKSONVILLE, FL	JACKSONVILLE INTL	RNAV	RNAV (RNP) Y RWY 32, ORIG	ASO

PART B - SUPPLEMENTAL DATA

1. COMMUNICATIONS WITH:	2. WEATHER SERVICE		3. ALTIMETER SETTING
JAX APP CON JAX TOWER	N W S	OTHER: ASOS	SOURCE: KJAX
	F A A		DISTANCE:
	A / C		HOURS REMOTE OPERATION: 24
SATISFACTORY ON:			
X V H F X U H F H F	LOCATION: KJAX		ADJUSTMENT: 0

4. MONITOR STATUS	PRIMARY NAVAID:	
	MONITOR POINT:	
	HRS OPTN:	CAT 1
		CAT 3
5. APPROACH & RUNWAY LIGHTING	X	ALSF-2 08
		(S) SALS
	X	MALSR 14, 26
	X	HIRL 08, 14, 26, 32
		MIRL
	X	REIL 32
	X	TDZ 08, 14, 26
	X	C/L 08, 14, 26, 32
	X	OTHER (SPECIFY) PAPI-4R 26 PAPI-4L 08, 14, 32
6. RUNWAY MARKINGS	BASIC	
	ALL WEATHER	PIR-G 08, 14, 26, 32
	INSTRUMENT	
7. RUNWAY VISUAL RANGE	APPROACH	08, 26
	MIDFIELD	
	ROLL OUT	08, 26
8. GLIDE PATH	GP ANGLE: 3.00	ELEV RWY THRESHOLD: 24.0
	DISTANCE FROM RWY:	ELEV GP ANTENNA:
		THRESHOLD CROSSING HEIGHT: 50.0
9. FINAL APPROACH COURSE AIMING	X	RUNWAY THRESHOLD — FT. FROM THRESHOLD
	X	ON CENTERLINE — FT. FROM CENTERLINE

10. WAIVERS: 1

AFS-400 MEMORANDUM DATED 10/3/11, REVISED PERFORMANCE BASED NAVIGATION (PBN) FLY-BY (FB) / RADIUS-TO-FIX (RF) TURN MAXIMUM BANK ANGLE LIMITS, PARAGRAPH 1.B RF RULE: INTERMEDIATE SEGMENT BETWEEN FIX AZYUJ AND FOSAL HAS A 23.84 DEGREE BANK ANGLE WITH AN RNP 0.60 TO AVOID 660 FT MSL STACK (12-002017) 302552N/0813302W, ACCURACY CODE 5D.

PART D - PREPARED BY: DAVID SAUER	DATE: 08/01/2012
TITLE: AERONAUTICAL INFORMATION SPECIALIST	OFFICE: AJV-352

PART C - REMARKS:

VDP NOT ESTABLISHED - RNP PROCEDURE.

PARA 251, 34:1 PENETRATION.

PRECIPITOUS TERRAIN EVALUATION COMPLETED.

KJAX ASOS-3 ON SERVICE A. SECONDARY WEATHER SOURCE NOT REQUIRED DUE TO 24 HOUR ALTIMETER EQUIPMENT AND NATIONAL WEATHER SERVICE (24HRS)

VGSI DATA: 3.05/TCH 67.9

WAIVER: AFS-400 MEMO DATED 10/13/11:
INTERMEDIATE SEGMENT BETWEEN FIX AZYUJ AND FOSAL HAS A 23.84 DEGREE BANK ANGLE WITH AN RNP 0.60 TO AVOID 660 FT MSL STACK (12-002017) 302552N/0813302W, ACCURACY CODE 5D.

SEE ATTACHED AIRSPACE LETTER.

AVERAGE COLD TEMPERATURE BASED ON 5 YEAR HISTORY (2011: 22F, 2010: 20F, 2009: 21F, 2008: 25F, 2007: 23F).
ACT -5.44C (-5)
HIGH TEMP CALCULATED USING AFS-420 LOW/HIGH TEMPERATURE CALCULATOR.

FINAL DOES NOT MATCH RNAV (GPS) Z RWY 32 DUE TO ATC/INDUSTRY REQUEST TO KEEP THE PROCEDURE SHORT.

PROCEDURE DESIGNED PER ATC AND PBN OFFICE TO CONNECT WITH FUTURE STAR DEVELOPMENT.

RNP 0.11 REQUESTED BUT NOT DEVELOPED BECUASE IT ONLY PROVIDED 45 FT RELIEF, 50 FT IS REQUIRED TO PUBLISH IAW 8260.52 PARA 1.10.

USED RNP 0.60 FOR INTERMEDIATE STEPDOWN SEGMENT BETWEEN AZYUJ AND FOSOL TO AVOID OBSTACLE 12-002017 WHICH WOULD HAVE PREVENTED 1100 PFAF ALTITUDE.

RF TURN RADIUS/BANK ANGLE COMPUTATIONS:

SEGMENT	ALT	KIAS	KTAS	HAA	VKTW	TR	BA
CALIM-AZYUJ	3300	210	223.86	3270.8	44.00	2.3	24.47
AZYUJ-FOSOL	2600	210	220.92	2570.8	43.00	2.3	23.84
AXXEG-FOSOL	1900	210	217.98	1870.8	30.00	2.3	21.31

TF TURN RADIUS/BANK ANGLE COMPUTATIONS:

SEGMENT	ALT	KIAS	KTAS	HAA	VKTW	BA
ACENE-CALIM	3350	210	226.80	3320.8	50	18
ZAXIT-AZYUJ	2600	210	226.80	2570.8	50	18
POTME-YAJJU	1850	250	265	1820.8	50	18
YAJJU-FOSOL	1100	250	258.5	1070.8	50	18
GURDE-AXXEG	1900	210	222.6	1870.8	50	18

MAX SPEED CALIM TO AZYUJ - 210 KIAS.
MAX SPEED AZYUJ TO FOSOL- 210 KIAS.
MAX SPEED AXXEG TO FOSOL - 210 KIAS.

ORDER 8260.3, VOLUME 1, "VISUAL PORTION OF FINAL" PENETRATIONS:
34:1
121 TREE (KJAX0064) 302625.27N/0814023.32W (9.56)
115 TREE (KJAXA005) 302825.85N/0814023.32W (4.78)

QUALITY CHECKED

STANDARD INSTRUMENT APPROACH PROCEDURE DATA RECORD

PART - A OBSTRUCTION DATA

1. APP SEGMENT	FROM	TO	OBSTRUCTION	COORDINATES	ELEV. MSL	ROC	ALT. ADJUSTMENTS	MIN. ALT.
INTERMEDIATE: (RNP 1.00)	AXXEG	FOSOL	6. STACK (12-002979)	302523.00N/0813627.00W	442 (5D)	500	AC50	1000
STEPDOWN			9. TERRAIN	302518.00N/0813733.00W	79 (100)		AS1000	1100
FINAL: (RNP 0.30)	FOSOL	RW32				ASC	MA65	383/359
MISSED APPROACH (RNP 0.30)	DA	RW32	12. TREE (KJAX0064)	302825.27N/0814023.32W	121 (1A)	ASC	AC3	
MISSED APPROACH (RNP 1.00)	RW32	OSBAJ				ASC		2000
		LEVEL SURFACE	13. TOWER (12-000840)	303631.00N/0814955.00W	492 (5D)	1000	AC50	1600
		AIRSPACE	14. TERRAIN	303624.00N/0815442.00W	92 (100)		AS1500	1600

3. MISSED APPROACH		
	MAP:	DA (SEE ABOVE)
	ELEV:	86

4. CIRCLING AREA	DISTANCE	HT. ABV. ARPT. REQUIRED	HT. ABV. ARPT. ACTUAL
CATEGORY A	1.3 NM	350	
CATEGORY B	1.5 NM	450	
CATEGORY C	1.7 NM	450	
CATEGORY D	2.3 NM	550	
CATEGORY E	4.5 NM	550	

5. MINIMUM SAFE ALTITUDES — PRIMARY NAVAID:

SECTOR	OBSTRUCTION	BRG/DIST	ELEVATION (MSL)	M S A	SECTOR	OBSTRUCTION	BRG/DIST	ELEVATION (MSL)	M S A

QUALITY CHECKED

CITY AND STATE	ELEVATION: 29 / AIRPORT NAME:	FACILITY	PROCEDURE AND AMENDMENT NO:	REGION
JACKSONVILLE, FL	JACKSONVILLE INTL	RNAV	RNAV (RNP) Y RWY 32, ORIG	ASO

PART B - SUPPLEMENTAL DATA

1. COMMUNICATIONS WITH:			2. WEATHER SERVICE			3. ALTIMETER SETTING
SATISFACTORY ON:				N W S	OTHER:	SOURCE:
				F A A		DISTANCE:
				A / C		HOURS REMOTE OPERATION:
V H F	U H F	H F	LOCATION:			ADJUSTMENT:

4. MONITOR STATUS	PRIMARY NAVAID:	
	MONITOR POINT:	
	HRS OPTN:	CAT 1
		CAT 3

5. APPROACH & RUNWAY LIGHTING		**ALS**
		(S) SALS
		MALS
		HIRL
		MIRL
		REIL
		TDZ
		C/LINE
		OTHER (SPECIFY)

6. RUNWAY MARKINGS	BASIC
	ALL WEATHER
	INSTRUMENT
7. RUNWAY VISUAL RANGE	APPROACH
	MIDFIELD
	ROLL OUT

8. GLIDE PATH	GP ANGLE:	ELEV RWY THRESHOLD:
	DISTANCE FROM RWY:	ELEV GP ANTENNA:
		THRESHOLD CROSSING HEIGHT:

9. FINAL APPROACH COURSE AIMING		RUNWAY THRESHOLD	FT. FROM THRESHOLD
		ON CENTERLINE	FT. FROM CENTERLINE

10. WAIVERS:

PART D - PREPARED BY:	DATE:
TITLE:	OFFICE:

PART C - REMARKS:

RADIO FIX AND HOLDING DATA RECORD

NAME: ACENE **STATE:** FL **COUNTRY:** US

LATITUDE/LONGITUDE: 303203.76N/0813716.70W **TYPE:** WP

AIRSPACE DOCKET: **FIX TYPE OF ACTION:** ESTABLISH

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	RNAV (RNP) Y RWY 32			KJAX	JACKSONVILLE	FL (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG **DATE OF REVISION:** 01/10/2013

DEVELOPED BY: **DATE:** 08/01/2012 **OFFICE:** AJV-352 **NAME:** DAVID SAUER

APPROVED BY: **DATE:** **OFFICE:** AJV-352 **NAME:** DARRYEL ADAMS

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: EST
ARTCC: ZJX
ATC FACILITY: JAX APP CON, JAX ATCT
OTHER:

QUALITY CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: AXXEG **STATE:** FL **COUNTRY:** US

LATITUDE/LONGITUDE: 302402.02N/0813720.78W **TYPE:** WP

AIRSPACE DOCKET: **FIX TYPE OF ACTION:** ESTABLISH

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	RNAV (RNP) Y RWY 32			KJAX	JACKSONVILLE	FL (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG **DATE OF REVISION:** 01/10/2013

DEVELOPED BY: **DATE:** 07/27/2012 **OFFICE:** AJV-352 **NAME:** DAVID SAUER

APPROVED BY: **DATE:** **OFFICE:** AJV-352 **NAME:** DARRYEL ADAMS

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: EST
ARTCC: ZJX
ATC FACILITY: JAX APP CON, JAX ATCT
OTHER:

QUALITY CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: AZYUJ **STATE:** FL **COUNTRY:** US

LATITUDE/LONGITUDE: 302801.87N/0813344.24W **TYPE:** WP

AIRSPACE DOCKET: **FIX TYPE OF ACTION:** ESTABLISH

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	RNAV (RNP) Y RWY 32			KJAX	JACKSONVILLE	FL (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG **DATE OF REVISION:** 01/10/2013

DEVELOPED BY: **DATE:** 07/27/2012 **OFFICE:** AJV-352 **NAME:** DAVID SAUER

APPROVED BY: **DATE:** **OFFICE:** AJV-352 **NAME:** DARRYEL ADAMS

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: EST
ARTCC: ZJX
ATC FACILITY: JAX APP CON, JAX ATCT
OTHER:

QUALITY CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: CALIM **STATE:** FL **COUNTRY:** US

LATITUDE/LONGITUDE: 303006.40N/0813438.45W **TYPE:** WP

AIRSPACE DOCKET: **FIX TYPE OF ACTION:** ESTABLISH

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	RNAV (RNP) Y RWY 32			KJAX	JACKSONVILLE	FL (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG **DATE OF REVISION:** 01/10/2013

DEVELOPED BY: **DATE:** 07/27/2012 **OFFICE:** AJV-352 **NAME:** DAVID SAUER

APPROVED BY: **DATE:** **OFFICE:** AJV-352 **NAME:** DARRYEL ADAMS

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: EST
ARTCC: ZJX
ATC FACILITY: JAX APP CON, JAX ATCT
OTHER:

QUALITY CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: CFVVD **STATE:** FL **COUNTRY:** US

LATITUDE/LONGITUDE: 302821.34N/0813622.34W **TYPE:** CNF

AIRSPACE DOCKET: **FIX TYPE OF ACTION:** ESTABLISH

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	RNAV (RNP) Y RWY 32			KJAX	JACKSONVILLE	FL (US)

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG **DATE OF REVISION:** 01/10/2013

DEVELOPED BY: **DATE:** 07/27/2012 **OFFICE:** AJV-352 **NAME:** DAVID SAUER

APPROVED BY: **DATE:** **OFFICE:** AJV-352 **NAME:** DARRYEL ADAMS

SIGNATURE:

DISTRIBUTION: **NFDC**
FPO: EST
ARTCC: ZJX
ATC FACILITY: JAX APP CON, JAX ATCT
OTHER:

QUALITY CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: CFVVF **STATE:** FL **COUNTRY:** US

LATITUDE/LONGITUDE: 302451.16N/0813949.95W **TYPE:** CNF

AIRSPACE DOCKET: **FIX TYPE OF ACTION:** ESTABLISH

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	RNAV (RNP) Y RWY 32			KJAX	JACKSONVILLE	FL (US)

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG **DATE OF REVISION:** 01/10/2013

DEVELOPED BY: **DATE:** 07/27/2012 **OFFICE:** AJV-352 **NAME:** DAVID SAUER

APPROVED BY: **DATE:** **OFFICE:** AJV-352 **NAME:** DARRYEL ADAMS

SIGNATURE:

DISTRIBUTION: **NFDC**
FPO: EST
ARTCC: ZJX
ATC FACILITY: JAX APP CON, JAX ATCT
OTHER:

QUALITY CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: FOSOL **STATE:** FL **COUNTRY:** US

LATITUDE/LONGITUDE: 302636.26N/0813806.18W **TYPE:** WP

AIRSPACE DOCKET: **FIX TYPE OF ACTION:** ESTABLISH

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	RNAV (RNP) Y RWY 32			KJAX	JACKSONVILLE	FL (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG **DATE OF REVISION:** 01/10/2013

DEVELOPED BY: **DATE:** 07/27/2012 **OFFICE:** AJV-352 **NAME:** DAVID SAUER

APPROVED BY: **DATE:** **OFFICE:** AJV-352 **NAME:** DARRYEL ADAMS

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: EST
ARTCC: ZJX
ATC FACILITY: JAX APP CON, JAX ATCT
OTHER:

QUALITY CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: GURDE **STATE:** FL **COUNTRY:** US

LATITUDE/LONGITUDE: 302028.42N/0813854.38W **TYPE:** WP

AIRSPACE DOCKET: **FIX TYPE OF ACTION:** ESTABLISH

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	RNAV (RNP) Y RWY 32			KJAX	JACKSONVILLE	FL (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG **DATE OF REVISION:** 01/10/2013

DEVELOPED BY: **DATE:** 07/27/2012 **OFFICE:** AJV-352 **NAME:** DAVID SAUER

APPROVED BY: **DATE:** **OFFICE:** AJV-352 **NAME:** DARRYEL ADAMS

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: EST
ARTCC: ZJX
ATC FACILITY: JAX APP CON, JAX ATCT
OTHER:

QUALITY CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: POTME **STATE:** FL **COUNTRY:** US

LATITUDE/LONGITUDE: 302100.33N/0813033.97W **TYPE:** WP

AIRSPACE DOCKET: **FIX TYPE OF ACTION:** NO CHANGE

HOLDING: **HOLDING TYPE OF ACTION:** NO CHANGE

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	RNAV (GPS) Z RWY 32			KJAX	JACKSONVILLE	FL (US)
IAP	RNAV (RNP) Y RWY 32			KJAX	JACKSONVILLE	FL (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 4 **DATE OF REVISION:** 01/10/2013

REASON FOR REVISION:
1. DELETED REMARK, PRECIPITOUS TERRAIN EVALUATION COMPLETE.
2. UPDATED FIX USE.

DEVELOPED BY: **DATE:** 07/27/2012 **OFFICE:** AJV-352 **NAME:** DAVID SAUER

APPROVED BY: **DATE:** **OFFICE:** AJV-352 **NAME:** DARRYEL ADAMS

SIGNATURE:

DISTRIBUTION: **NFDC**
FPO: EST
ARTCC: ZJX
ATC FACILITY: JAX APP CON, JAX ATCT
OTHER:

QUALITY CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: WOMVO **STATE:** FL **COUNTRY:** US

LATITUDE/LONGITUDE: 302438.92N/0813528.04W **TYPE:** WP

AIRSPACE DOCKET: **FIX TYPE OF ACTION:** ESTABLISH

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	RNAV (RNP) Y RWY 32			KJAX	JACKSONVILLE	FL (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG **DATE OF REVISION:** 01/10/2013

DEVELOPED BY: **DATE:** 07/27/2012 **OFFICE:** AJV-352 **NAME:** DAVID SAUER

APPROVED BY: **DATE:** **OFFICE:** AJV-352 **NAME:** DARRYEL ADAMS

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: EST
ARTCC: ZJX
ATC FACILITY: JAX APP CON, JAX ATCT
OTHER:

QUALITY CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: ZAXIT **STATE:** FL **COUNTRY:** US

LATITUDE/LONGITUDE: 303229.50N/0813300.39W **TYPE:** WP

AIRSPACE DOCKET: **FIX TYPE OF ACTION:** ESTABLISH

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	RNAV (RNP) Y RWY 32			KJAX	JACKSONVILLE	FL (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG **DATE OF REVISION:** 01/10/2013

DEVELOPED BY: **DATE:** 07/27/2012 **OFFICE:** AJV-352 **NAME:** DAVID SAUER

APPROVED BY: **DATE:** **OFFICE:** AJV-352 **NAME:** DARRYEL ADAMS

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: EST
ARTCC: ZJX
ATC FACILITY: JAX APP CON, JAX ATCT
OTHER:

QUALITY CHECKED

INFO ONLY

RADIO FIX AND HOLDING DATA RECORD

NAME: OSBAJ **STATE:** FL **COUNTRY:** US

LATITUDE/LONGITUDE: 303711.93N/0815225.85W **TYPE:** WP

AIRSPACE DOCKET: **FIX TYPE OF ACTION:** MODIFY

HOLDING: **HOLDING TYPE OF ACTION:** MODIFY

PATTERNS:

PAT	DIR	IDENT	TYPE	RAD/CRS/BRG	CRS INBOUND	TURN (L OR R)	LEG LENGTH TIME	LEG LENGTH DME	HOLDING ALTITUDES MIN	HOLDING ALTITUDES MAX	TEMPLATES MIN	TEMPLATES MAX
1	NW		WP	316.44	136.44	R		4	2000	10000	4	10

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	TOWER (12-000840)	303631.00N/0814955.00W	492	5D

HOLDING RESTRICTIONS:
HOLDING LIMITED TO ESTABLISHED PATTERN.

REMARKS:
PRECIPITOUS TERRAIN EVALUATION COMPLETE.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	RNAV (GPS) Z RWY 14		1	KJAX	JACKSONVILLE	FL (US)
IAP	RNAV (GPS) Z RWY 32		1	KJAX	JACKSONVILLE	FL (US)
IAP	RNAV (RNP) Y RWY 32		1	KJAX	JACKSONVILLE	FL (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 2 **DATE OF REVISION:** 12/15/2011

REASON FOR REVISION:
FIX MOVED 1.76NM.
DELETED KJAX R13 FROM FIX MAKE-UP FACILITIES.
HOLDING CRS INBOUND CHANGED FROM 133.46 TO 136.44; UPDATED HOLDING OBSTACLE DATA.
UPDATED REMARKS AND HOLDING RESTRICTIONS.
UPDATED FIX USE.

DEVELOPED BY: **DATE:** 09/01/2011 **OFFICE:** AJV-352 **NAME:** SEAN BARBEE

APPROVED BY: **DATE:** **OFFICE:** AJV-352 **NAME:** DARRYEL ADAMS

SIGNATURE:

DISTRIBUTION: **NFDC**
FPO: EST
ARTCC: ZJX
ATC FACILITY: JAX APP CON
OTHER:

CHECKED

TERMINAL AIRSPACE DATA REQUIREMENTS

CITY: **JACKSONVILLE** STATE: **FL**

AIRPORT NAME: **JACKSONVILLE INTL** ID: **KJAX**

PROCEDURE: **RNAV (RNP) Y RWY 32** AMDT: **ORIG**

DOCKET # :
(96-AXX-X/Required/Not Required)

ALL DIST TO 1/100 NM; ELEV TO NEAREST FT; COORD TO 1/100 SEC; DEG TO 1/100 DG.

1. Distance from **THLD** to 1000' point **2.89**
   (Enter THLD, FAF, ARP, FACILITY, as appropriate)
2. Width of **FINAL** segment at 1000' point **1.20**
   (Enter appropriate segment , final, intermediate, etc.)
3. True Course of **FINAL** segment containing 1000' point **310.57**
4. High Terrain in **FINAL** segment containing 1000' point **33**
5. Distance from ***THLD** to 1500' point **6.02**
   (If 1500' point in PT maneuvering area or holding pattern note in remarks)
6. Width of ***INTERMEDIATE** segment at 1500' point **4.00**
7. True Course of ***INTERMEDIATE** segment containing 1500' point **310.58**
8. High Terrain in ***INTERMEDIATE** segment containing 1500' point **79**
9. Threshold Coordinates (if straight-in) ... **302842.24N** / **0814056.13W**
10. ARP Coordinates ..... **302938.60N** / **0814116.30W**
11. Runway Approach End and distance furthest from ARP.....RWY **26**
    Distance **1.15** NM
12. FAF Coordinates ..... **302636.26N** / **0813806.18W**
    (Click to Select)

REMARKS: Approach/Drawing attached. *MULTI SEGS USE 1000' AIRSPACE, ABOVE WOMVO - FAF; AZYUJ 302801.87N/0813344.24W CW FAF (RNP 0.6) CENTER: CFVVF 302451.16N/0813949.95W; AXXEG 302402.02N/0813720.78W CCW FAF (RNP 1.0) CENTER: CFVVD 302821.34N/0813622.34W. SEE MAP.

US Department of Transportation
Federal Aviation Administration

FLIGHT PROCEDURES STANDARDS WAIVER

FLIGHT STANDARDS USE ONLY

CONTROL NO:

1. Flight Procedure Identification:
JACKSONVILLE, FL (JAX)
JACKSONVILLE INTL
RNAV (RNP) Y RWY 32

2. Waiver Required and Applicable Standard:
INTERMEDIATE RF SEGMENT REQUIRES WAIVER TO AFS-400 MEMORANDUM DATED 10/3/11, REVISED PERFORMANCE BASED NAVIGATION (PBN) FLY-BY (FB) /RADIUS-TO-FIX (RF) TURN MAXIMUM BANK ANGLE LIMITS, PARAGRAPH 1.B RF RULE: CALCULATED RF BANK ANGLE BASED ON THE DESIGN RADIUS NOT TO EXCEED 25 DEGREES (20 DEGREES FOR RNP/ATT VALUES LESS THAN 1.0).

3. Reason for Waiver *(Justification for nonstandard treatment)*:
INTERMEDIATE SEGMENT BETWEEN FIX AZYUJ AND FOSAL HAS A 23.84 DEGREE BANK ANGLE WITH AN RNP 0.60 TO AVOID 660 FT MSL STACK (12-002017) 302552N/0813302W, ACCURACY CODE 5D.

4. Equivalent Level of Safety Provided:
1. PROCEDURE IS AUTHORIZATION REQUIRED (AR).
2. AIRCRAFT SPEED DECREASING TO FINAL APPROACH SPEED IN RF, LESSENING THE CALCULATED BANK ANGLE.
3. AIRCRAFT IS STARTING TO CONFIGURE FOR LANDING ENTERING THE RF, FURTHER SLOWING AIRCRAFT SPEED.

5. How Relocation or Additional Facilities Will Affect Waiver Requirement:
N/A: RNAV PROCEDURE.

6. Coordination With User Organizations *(Specify)*:

AJV-35: _____ _____

7. SUBMITTED BY

DATE:	Office Identification:	Title:	Signature:
	AJV-35	**MANAGER, TERMINAL PRODUCTS GROUP**	**GERGORY YAMAMOTO**

FAA FORM 8260 - 1 / July 2003 (computer generated)

8. CONTINUATION
Comments:

9. AFS ACTION		
		Approved
		Disapproved
		Not Required

Comments:

Date:	Routing Symbol:	Signature:

DO NOT REMOVE FROM PACKAGE
RNAV (RNP) Y RWY 32 ORIG
WOMVO-FOSOL

PFAF Calculations

Min Intermediate Segment Alt (a):	
LTP MSL Elevation (b):	
TCH:	
Glidepath Angle (Θ):	
Distance from LTP to PFAF (D):	0.00
	0.00 NM
LTP/FTP Latitude:	
LTP/FTP Longitude:	
True RWY Bearing/True Course:	
PFAF Latitude:	000° 00' 00.00"
PFAF Longitude:	000° 00' 00.00"

Latitude/Longitude used for straight segment only

VEB OCS Origin & Slope

Intermediate Segment Altitude:	1100
LTP Elevation:	24
Glidepath Angle:	3
TCH:	50
RNP Value:	0.30
Δ ISA:	-19.942
Straight In Segment	
(Wingspan =<262) **LTP to Origin:**	3,675.96'
(Wingspan =<136) **LTP to Origin:**	3,469.03'
OCS Slope Ratio:	20.69 : 1
RF Turn Segment | Bank angle:	
(Wingspan =<262) **LTP to Origin:**	NA
(Wingspan =<136) **LTP to Origin:**	NA
OCS Slope Ratio:	NA

Version 2.0

VEB Temperature Limits

Glidepath Angle:		
Max Glidepath Angle:		
PFAF Elevation:		
LTP Elevation:		
ACT:		
Min Glidepath Angle	#DIV/0!	
NA Below	#DIV/0!	#DIV/0!
NA Above	#DIV/0!	#DIV/0!

Intermediate Segment VEB ROC

Glidepath Angle	3.00°
LTP MSL Elevation	24.00
TCH (ft)	50.00
OCS Slope	20.69
OCS Origin Distance (ft) *(measured along-track from LTP)*	3,675.96
Obstacle Distance (ft) *(measured along-track from LTP)*	31,486.38
VEB ROC *(at obstacle)*	**361**
Glidepath MSL altitude at Obstacle	1,747.89
OCS MSL altitude at Obstacle	1,386.68

DO NOT REMOVE FROM PACKAGE
RNAV (RNP) Y RWY 32 ORIG
AZYUJ-FOSOL

PFAF Calculations

Min Intermediate Segment Alt (a):	
LTP MSL Elevation (b):	
TCH:	
Glidepath Angle (Θ):	
Distance from LTP to PFAF (D):	0.00
	0.00 NM
LTP/FTP Latitude:	
LTP/FTP Longitude:	
True RWY Bearing/True Course:	
PFAF Latitude:	000° 00' 00.00"
PFAF Longitude:	000° 00' 00.00"

Latitude Longitude valid for straight segment only

VEB OCS Origin & Slope

Intermediate Segment Altitude:	1100
LTP Elevation:	24
Glidepath Angle:	3
TCH:	50
RNP Value:	0.30
Δ ISA:	-19.942
Straight In Segment	
(Wingspan =<262) **LTP to Origin:**	3,675.96'
(Wingspan =<136) **LTP to Origin:**	3,469.03'
OCS Slope Ratio:	20.69 : 1
RF Turn Segment | Bank angle:	
(Wingspan =<262) **LTP to Origin:**	NA
(Wingspan =<136) **LTP to Origin:**	NA
OCS Slope Ratio:	NA

Version 2.0

VEB Temperature Limits

Glidepath Angle:		
Max Glidepath Angle:		
PFAF Elevation:		
LTP Elevation:		
ACT:		
Min Glidepath Angle	#DIV/0!	
NA Below	#DIV/0!	#DIV/0!
NA Above	#DIV/0!	#DIV/0!

Intermediate Segment VEB ROC

Glidepath Angle	3.00°
LTP MSL Elevation	24.00
TCH (ft)	50.00
OCS Slope	20.69
OCS Origin Distance (ft) *(measured along-track from LTP)*	3,675.96
Obstacle Distance (ft) *(measured along-track from LTP)*	29,655.55
VEB ROC *(at obstacle)*	**353**
Glidepath MSL altitude at Obstacle	1,649.26
OCS MSL altitude at Obstacle	1,295.83

DO NOT REMOVE FROM PACKAGE
RNAV (RNP) Y RWY 32 ORIG
AXXEG-FOSOL

PFAF Calculations

Min Intermediate Segment Alt (a):	
LTP MSL Elevation (b):	
TCH:	
Glidepath Angle (Θ):	
Distance from LTP to PFAF (D):	**0.00**
	0.00 NM
LTP/FTP Latitude:	
LTP/FTP Longitude:	
True RWY Bearing/True Course:	
PFAF Latitude:	**000° 00' 00.00"**
PFAF Longitude:	**000° 00' 00.00"**

Latitude/Longitude used for straight segment only

VEB OCS Origin & Slope

Intermediate Segment Altitude:	1100
LTP Elevation:	24
Glidepath Angle:	3
TCH:	50
RNP Value:	0.30
Δ ISA:	-19.942
Straight In Segment	
(*Wingspan =<262*) **LTP to Origin:**	**3,675.96'**
(*Wingspan =<136*) **LTP to Origin:**	**3,469.03'**
OCS Slope Ratio:	**20.69 : 1**
RF Turn Segment | Bank angle:	
(*Wingspan =<262*) **LTP to Origin:**	**NA**
(*Wingspan =<136*) **LTP to Origin:**	**NA**
OCS Slope Ratio:	**NA**

Version 2.0

VEB Temperature Limits

Glidepath Angle:		
Max Glidepath Angle:		
PFAF Elevation:		
LTP Elevation:		
ACT:		
Min Glidepath Angle	**#DIV/0!**	
NA Below	**#DIV/0!**	**#DIV/0!**
NA Above	**#DIV/0!**	**#DIV/0!**

Intermediate Segment VEB ROC

Glidepath Angle	3.00°
LTP MSL Elevation	24.00
TCH (ft)	50.00
OCS Slope	20.69
OCS Origin Distance (ft) *(measured along-track from LTP)*	3,675.96
Obstacle Distance (ft) *(measured along-track from LTP)*	29,635.04
VEB ROC *(at obstacle)*	**353**
Glidepath MSL altitude at Obstacle	1,648.15
OCS MSL altitude at Obstacle	1,294.82