Flight Procedure Tracking Form	Action: FLIGHT CHECK	Task Type: IAP	Date Open: 02/22/2012	Task #: 2012022223302201002	Request #: 20120222233022
Procedure: RNAV (GPS) RWY 10 AMDT 2		Airport ID: TJSJ	Airport: LUIS MUNOZ MARIN INTL		Reimbursable #:
City: SAN JUAN	ST: RQ	GPS #:		Estimated Chart Date: 11/15/2012	FICO #:
Fac ID: JSJ	Fac. Type: Proc-G	Specialist: CASIMIR TABAKA		P2	

Procedure Review

	Rec'd	Rel'd	Full Name	Comments
Lead:	04/12/2012	07/31/2012	JAMES DUBOIS	
QA:	07/31/2012	07/31/2012	CASIMIR TABAKA	
Liaison:	07/31/2012		K. Spurlin	P2

Procedure Comments: **Remark Type:** INFORMATION PKG 1 of 3

SAN JUAN, PR SAN JUAN/LUIS MUNOZ MARIN INTL (TJSJ) RNAV (GPS) RWY 10, AMDT 2 ENROUTE-NO FC BY 10/2/12 PUB 11/15/12

ATTACHED FORMS: 8260-3; 8260-9; 8260-10; 8260-2- CORAF INT, REV 10; REMSY INT, REV 3; TNNER INT, AMDT 2; VARNA INT, REV 13; YIGTO, REV 2; ZASPU INT, ORIG; DEEDY INT, REV 10 (INFO ONLY); BINJI, REV 2 (CANCEL); ONESY, ORIG (CANCEL); UPRAF, REV 1 (CANCEL).

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

APP CRS	Rwy ldg	8016
101°	THRE	9
	Apt Elev	9

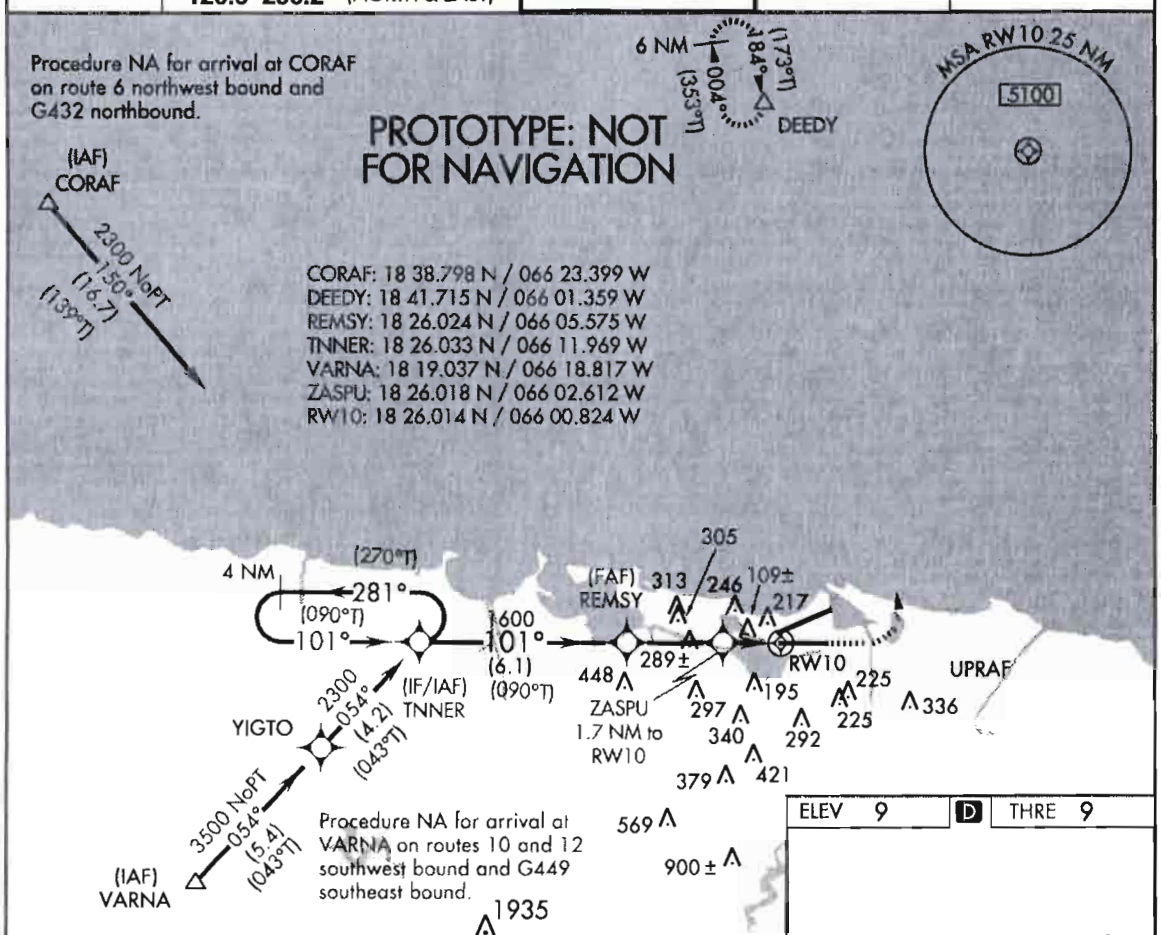
RNAV (GPS) RWY 10

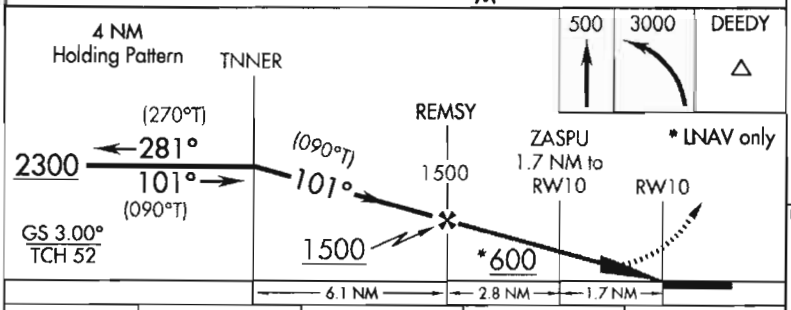
SAN JUAN/ LUIS MUNOZ MARIN INTL (SJU)(TJSJ)

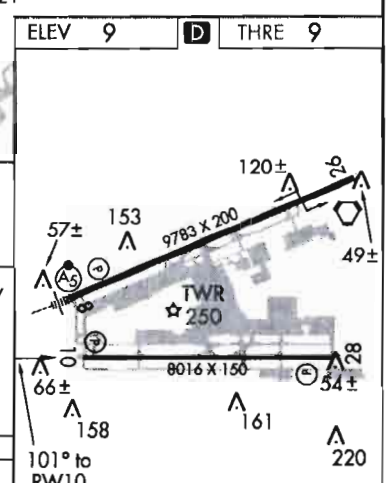
T WAAS VNAV NA. For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -15°C (5°F) or above 54°C (130°F). DME/DME RNP-0.3 NA. For inoperative MALSR, increase LNAV/VNAV visibility all Cats to 1¼ and increase LNAV Cats C/D visibility to 1⅜.

MISSED APPROACH: Climb to 500 then climbing left turn to 3000 direct DEEDY and hold.

ATIS	SAN JUAN APP CON	SAN JUAN TOWER	GND CON	CLNC DEL
125.8	119.4 269.2 (WEST & SW) 120.9 290.2 (NORTH & EAST)	132.05 257.8	121.9 348.6	126.4 284.6

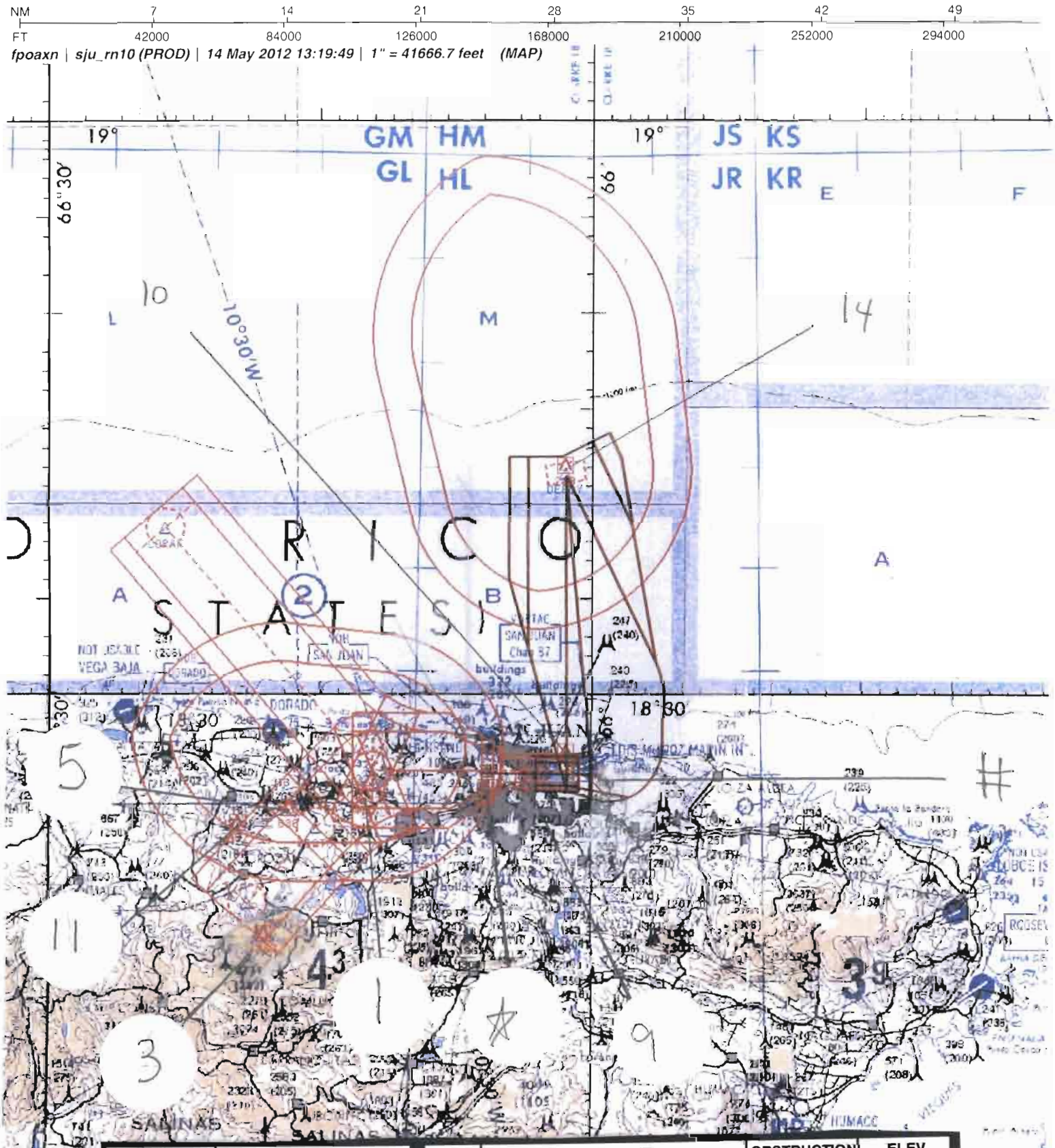






CATEGORY	A	B	C	D
LNAV/ VNAV DA	400-⅞ 398 (400-⅞)			
LNAV MDA	480-½ 471 (500-½)		480-1 471 (500-1)	
CIRCLING	600-1 591 (600-1)		600-1½ 591 (600-1½)	600-2 591 (600-2)

REIL Rwy 26
HIRL Rwys 8-26 and 10-28



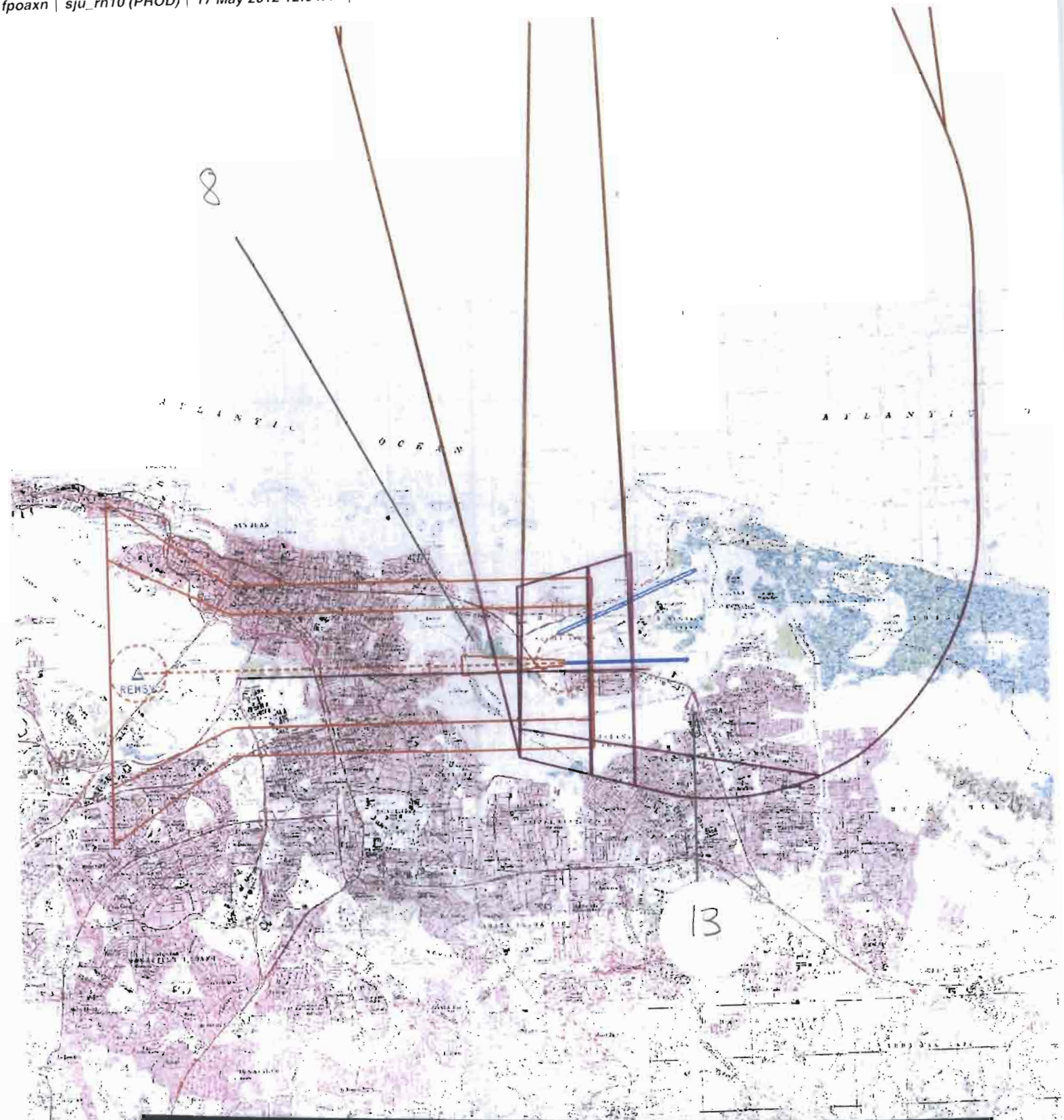
Airport ID:	TJSJ
Apt Name:	LUIS MUNOZ MARIN INTL
City:	SAN JUAN
State/Country:	PUERTO RICO
Proc ID:	RNAV (GPS) RWY 1
Number:	AMDT 2
Scale:	1:500,000

ID	SEGMENT	OBSTRUCTION	ELEV
1	CORAF INITIAL, INTERMEDIATE	TOWER	603
3	VARNA INITIAL	AAO	1867
11	HOLD-IN-LIEU	AAO	857
5	YIGTO INITIAL STEP DOWN	AAO	830
9	FINAL-LNAV	BLDG	291
*	FINAL-LNAV PARA 289	TOWER	448
10	FINAL-LNAV STEPDOWN	BLDG	217
13	PRIMARY MA LVL SURFACE	CRANE	288
#	PRIMARY MA HOLDING	SHIP	280

NM 1 2 3 4 5 6 7 8 9 10

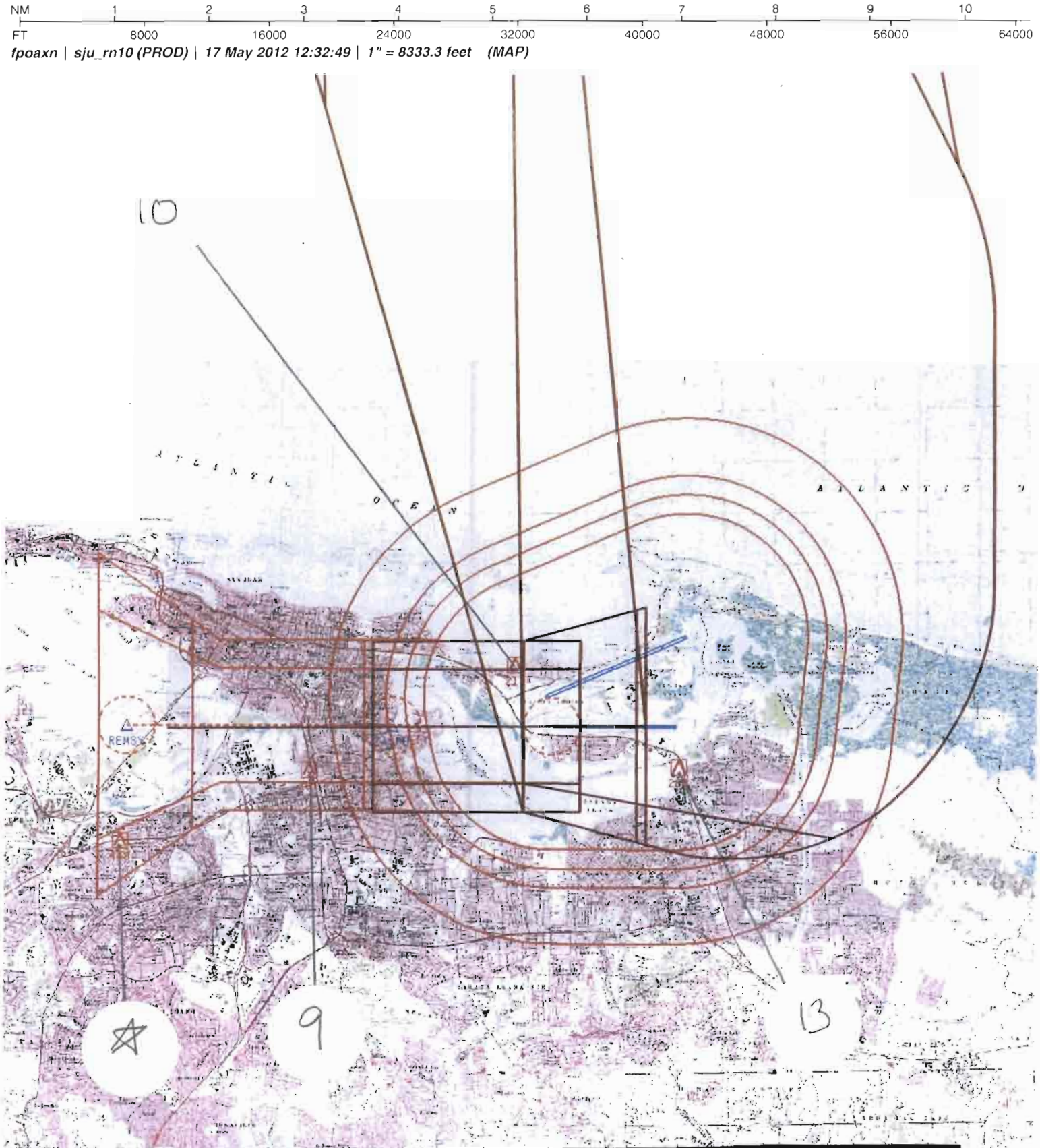
FT 8000 16000 24000 32000 40000 48000 56000 64000

fpoaxn | sju_rn10 (PROD) | 17 May 2012 12:34:47 | 1" = 8333.3 feet (MAP)



Airport ID:	TJSJ
Apt Name:	LUIS MUNOZ MARIN INTL
City:	SAN JUAN
State/Country:	PUERTO RICO
Proc ID:	RNAV (GPS) RWY 1
Number:	AMDT 2
Scale:	1:100,000

ID	SEGMENT	OBSTRUCTION	ELEV
8	FINAL-LNAV/VNAV	TREE	109
13	PRIMARY MA LVL SURFACE	CRANE	288



Airport ID:	TJSJ
Apt Name:	LUIS MUNOZ MARIN INTL
City:	SAN JUAN
State/Country:	PUERTO RICO
Proc ID:	RNAV (GPS) RWY 1
Number:	AMDT 2
Scale:	1:100,000

ID	SEGMENT	OBSTRUCTION	ELEV
9	FINAL-LNAV	BLDG	291
*	FINAL-LNAV PARA 289	TOWER	448
10	FINAL-LNAV STEPDOWN	BLDG	217
13	PRIMARY MA LVL SURFACE CIRCLING CATS A,B,C,D	CRANE	288

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

RNAV - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.33

Bearings, headings, courses, 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 in feet RVR.

TERMINAL ROUTES

FROM	TO	COURSE AND DISTANCE	ALTITUDE
CORAF (IAF)	TNNER (NOPT) (FB)	150.47 / 16.72	2300
VARNA (IAF)	YIGTO (NOPT) (FB)	054.05 / 5.35	3500
YIGTO	TNNER (FB)	054.06 / 4.19	2300
TNNER (IF/IAF)	REMSY (FB)	101.07 / 6.08	1500
REMSY (FAF)	ZASPU/1.70 NM TO RW10 (FB)	101.12 / 2.82	
ZASPU/1.70 NM TO RW10	RW10 (MAP) (FO)	101.13 / 1.70	
(SEE FORM 8260-10)			

MISSED APPROACH

LNAV/VNAV: DA
LNAV: RW10

CLIMB TO 500 THEN CLIMBING LEFT TURN TO 3000 DIRECT DEEDY AND HOLD.

ADDITIONAL FLIGHT DATA:
HOLD N, RT, 184.00 INBOUND.
CHART FAS OBST: 109 TREE 182616N/0660150W
CHART FAS OBST: 217 BLDG 182635N/0660114W
CHART: 448 TOWER 182443N/0660538W
DISTANCE TO THLD FROM 398 HATH: 1.08 NM.

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. HOLD W TNNER, LT, 101.07 INBOUND, 2300 FT. IN LIEU OF PT (IAF)
3. FAC: 101.12 FAF: REMSY DIST FAF TO MAP: 4.52 THLD: 4.52
4. MIN. ALT: TNNER 2300, REMSY 1500, ZASPU/1.70 NM TO RW10 600*
5. DIST TO THLD FROM OM: ____ MM: ____ IM: ____ 150 HAT: ____ 100 HAT: ____ GS ANT: ____
6. MIN GS INCPT: 1500 GS ALT AT: REMSY 1500 OM: ____ MM: ____ IM: ____
7. GS ANGLE: 3.00 TCH: 52.2 34:1 IS CLEAR
8. MSA FROM: RW10 5100

MAG VAR: 11W EPOCH YEAR: 1985

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
LNAV/VNAV DA	407	7/8	398	407	7/8	398	407	7/8	398	407	7/8	398			
LNAV MDA	480	1/2	471	480	1/2	471	480	1	471	480	1	471			
CIRCLING	600	1	591	600	1	591	600	1 1/2	591	600	2	591			

NOTES:
CHART NOTE: WAAS VNAV NA
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -15C (5F) OR ABOVE 54C (130F).
CHART NOTE: DME/DME RNP-0.3 NA.
*LNAV ONLY
(SEE FORM 8260-10)

QUALITY 2 CHECKED

CITY AND STATE	ELEVATION: 9 THRE: 9 / AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
SAN JUAN PR	LUIS MUNOZ MARIN INTL	RNAV	RNAV (GPS) RWY 10, AMDT 2	AMDT: 1
				DATED 09/23/2010

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] SAN JUAN APP CON, ARTCC, ATCT

FLIGHT CHECKED BY		
NAME:	FIFO	DATE:

DEVELOPED BY		
NAME:	FIFO	DATE:
DONALD E. SMITH (AISHAT NAUZO)	AJV-352	05/14/2012

APPROVED BY		
NAME:	FIFO	DATE:
DARRYEL ADAMS MANAGER	AJV-352	

CHANGES:

1. ADDED INOPERATIVE MALSR NOTE.
2. CHANGED MA FROM CLIMB TO 3000 DIRECT UPRAF AND ON TRACK 056 TO ONESY AND ON TRACK 335 TO DEEDY AND HOLD TO CLIMB TO 500 THEN CLIMBING LEFT TURN TO 3000 DIRECT DEEDY AND HOLD. USED 22D BANK AND 265 KT AIRSPEED.
3. CHANGE FAF ALTITUDE FROM 1600 TO 1500.
4. ADDED ZASPU SDF, REMSY (FAF) TO ZASPU (2.82 NM) AND ZASPU TO MAP (1.70 NM). REMOVED REMSY TO VDP (3.2 NM) AND VDP TO RWY 10 (1.6 NM).
5. REPLACED BINJI (IF) WITH TNNER (IF) AND ADDED TNNER H-I-L. CHANGED IF TO FAF DISTANCE FROM 6.1 NM TO 6.08 NM.
6. REMOVED YIGTO (INITIAL STEP) TO BINJI (4 NM). ADDED YIGTO TO TNNER (4.19 NM).
7. REMOVED CORAF (IAF) TO BINJI (16.54 NM). ADDED CORAF TO TNNER (16.72 NM).
8. LOWERED LNAV/VNAV DA FROM 549-2 540 ALL CATS TO 407-7/8 398.
9. LOWERED LNAV MDA FROM 560-1 551 CATS A/B, 560- 1 1/2 551 CAT C, CAT D 561-1 3/4 551 TO 480-1/2 471 CATS A/B, 480-1 471 CATS C/D.
10. CHANGE BARO-VNAV NOTE FROM BARO-VNAV N/A ABOVE 48C (118F) TO BARO-VNAV NA ABOVE 43C (109F).

REASONS:

1. 8260.19E, CHAP 8, PAR 8-54 (3D).
2. IFP CHECKLIST REQUEST.
3. IT IS FEASIBLE AND TO MATCH ILS.

4-7 AT REQUEST AND DUE TO NEW IF AT TNNER.

8,9 NEW OBSTRUCTIONS.

10. 8260.19E PAR 4-97.

PDF EDITS:

1 8260-3, TERMINAL ROUTES, ADDED (FAF) TO REMSY.

2 8260-3, TERMINAL ROUTES, REMSY TO ZASPU DELETED 600* ALTITUDE.

3 8260-10 R020HM, REMOVED 020.

4 8260-10 RNP 2.0 REMOVED 2.0.

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

RNAV - STANDARD
INSTRUMENT APPROACH PROCEDURE - TITLE 14 CFR PART 97.33

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TERMINAL ROUTES, (CONT.):

FROM	TO	COURSE AND DISTANCE	ALTITUDE
RW10 (MAP)	500 MSL	101.13	500
500 MSL	DEEDY (FO)		3000

NOTES, (CONT.):

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL AT VARNA ON ROUTES 10 AND 12 SOUTHWEST BOUND AND G449 SOUTHEAST BOUND.

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL AT CORAF ON ROUTE 6 NORTHWEST BOUND AND G432 NORTHBOUND.

CHART NOTE: FOR INOPERATIVE MALSR, INCREASE LNAV/VNAV VISIBILITY ALL CATS TO 1 1/4 AND INCREASE LNAV CATS C/D VISIBILITY TO 1 3/8.

QUALITY 2 CHECKED

CITY AND STATE	ELEVATION: 9 THRE: 9 / AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
SAN JUAN PR	LUIS MUNOZ MARIN INTL	RNAV	RNAV (GPS) RWY 10, AMDT 2	AMDT: 1
				DATED: 09/23/2010

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

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:

QUALITY 2 CHECKED

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ARINC PACKET - 424-18 - RNAV (GPS)

```
                 1         2         3         4         5         6         7         8         9         0         1         2         3
WP       123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
         ------------------------------------------------------------------------------------------------------------------------------------
         SLAMEAENRT   CORAF TJ0    C   L N18384790W066232394                    W0128     NAR           CORAF
         SLAMEAENRT   DEEDY TJ0    C   L N18414290W066012151                    W0130     NAR           DEEDY
         SLAMEAENRT   REMSY TJ0    C     N18260142W066053450                    W0129     NAR           REMSY
         SLAMEAENRT   TNNER TJ0    C     N18260195W066115814                    W0129     NAR           TNNER
         SLAMEAENRT   VARNA TJ0    C   L N18190220W066184902                    W0128     NAR           VARNA
         SLAMEAENRT   YIGTO TJ0    W     N18225758W066145870                    W0128     NAR           YIGTO
         SLAMEAENRT   ZASPU TJ0    C     N18260105W066023671                    W0129     NAR           ZASPU

                 1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT  123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
         ------------------------------------------------------------------------------------------------------------------------------------
         SLAMP TJSJTJASJU     0     097YHN18262146W066000722W011000009         1800018000C    MNAR    LUIS MUNOZ MARIN INTL

                 1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT  123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
         ------------------------------------------------------------------------------------------------------------------------------------
         SLAMP TJSJTJFR10   ACORAF 010CORAFTJEA0E  A    IF                                        18000                B JS
         SLAMP TJSJTJFR10   ACORAF 020TNNERTJEA0EE B 010TF                    15050167    + 02300                      B JS
         SLAMP TJSJTJFR10   ATNNER 010TNNERTJEA0EE AL   HF                   10110040    + 02300     18000            B JS
         SLAMP TJSJTJFR10   AVARNA 010VARNATJEA0E  A    IF                                        18000                B JS
         SLAMP TJSJTJFR10   AVARNA 020YIGTOTJEA0E    010TF                    05410054    + 03500                      B JS
         SLAMP TJSJTJFR10   AVARNA 030TNNERTJEA0EE B 010TF                    05410042    + 02300                      B JS
         SLAMP TJSJTJFR10   R       010TNNERTJEA0E  I    IF                               + 02300     18000            B JS
         SLAMP TJSJTJFR10   R       020REMSYTJEA1E  F 051TF                   10110061    + 01500                RW10  TJPGB JS
         SLAMP TJSJTJFR10   R       020REMSYTJEA2WN          ALNAV/VNAV ALNAV                                          JS
         SLAMP TJSJTJFR10   R       021ZASPUTJEA0E S  031TF                   10110028    V 0060000603        -300      B JS
         SLAMP TJSJTJFR10   R       030RW10 TJPG0GY M 031TF                   10110017      00062             -300      B JS
         SLAMP TJSJTJFR10   R       040         0  M     CA                   1011        + 00500                      B JS
         SLAMP TJSJTJFR10   R       050DEEDYTJEA0EY  L   DF                             + 03000                      B JS
         SLAMP TJSJTJFR10   R       060DEEDYTJEA0EE  R   HM                   18400060    + 03000                      B JS

                 1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY   123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
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                 1         2         3         4         5         6         7         8         9         0         1         2         3
MSA      123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
         ------------------------------------------------------------------------------------------------------------------------------------
         SLAMP TJSJTJSRW10 TJPG              0   18018005125                                                                    M
```

QUALITY 1 CHECKED

CITY AND STATE	ELEVATION: 9 THRE: 8	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
SAN JUAN, PR	AIRPORT NAME: **LUIS MUNOZ MARIN INTL**	**RNAV**	**RNAV (GPS) RWY 10, AMDT 2**	AMDT: **1**
				DATED: **09/23/2010**

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

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 (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - **FAR PART 97.33**

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ARINC SUMMARY - 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
	CORAF	CORAF	010	IAF	IF		FB					
	CORAF	TNNER	020		TF		FB	1.0	150.5(139.5T)	016.7	AA 02300	
	TNNER	TNNER	010	IAF	HF	L	FO		101.1(090.1T)	004.0	AA 02300	
	VARNA	VARNA	010	IAF	IF		FB					
	VARNA	YIGTO	020		TF		FB	1.0	054.1(043.1T)	005.4	AA 03500	
	VARNA	TNNER	030		TF		FB	1.0	054.1(043.1T)	004.2	AA 02300	
		TNNER	010	FACF	IF		FB				AA 02300	
		REMSY	020	FAF	TF		FB	0.5	101.1(090.1T)	006.1	AA 01500	
		ZASPU	021	SDF	TF		FB	0.3	101.1(090.1T)	002.8	AA 00600 GS 00603	
		RW10	030	MAP	TF		FO	0.3	101.1(090.1T)	001.7	AT 00062	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		101.1(090.1T)		AA 00500	
	DEEDY	050		DF	L	FO				AA 03000	
	DEEDY	060		HM	R	FO		184.0(173.0T)	006.0	AA 03000	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	CORAF	N183847.90	W0662323.94	N1838.798	W06623.399
	DEEDY	N184142.90	W0660121.51	N1841.715	W06601.359
	REMSY	N182601.42	W0660534.50	N1826.024	W06605.575
	TNNER	N182601.95	W0661158.14	N1826.033	W06611.969
	VARNA	N181902.20	W0661849.02	N1819.037	W06618.817
	YIGTO	N182257.58	W0661458.70	N1822.960	W06614.978
	ZASPU	N182601.05	W0660236.71	N1826.018	W06602.612
	RW10	N182600.81	W0660049.42	N1826.014	W06600.824

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW10	00009	52

QUALITY 1 CHECKED

CITY AND STATE	ELEVATION: 9 THRE: 8 / AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
SAN JUAN, PR	**LUIS MUNOZ MARIN INTL**	**RNAV**	**RNAV (GPS) RWY 10, AMDT 2**	AMDT: **1**
				DATED: **09/23/2010**

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

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.
INITIAL	CORAF	TNNER	1. TOWER (PR-000544)	182423.93N/0661218.26W	603 (2B)	1000	AT697	2300
			2. TERRAIN	182430.00N/0661254.00W	394 (400)		AS1500	1900
INITIAL	VARNA	YIGTO	3. AAO	181657.00N/0661800.00W	1867 (4E)	1000	AT633	3500
			4. TERRAIN	181806.00N/0661654.00W	1421 (1400)		AS1500	2900
INITIAL: STEPDOWN	YIGTO	TNNER	5. AAO	182339.00N/0661633.00W	830 (4E)	1000	AT470	2300
			6. TERRAIN	182339.00N/0661633.00W	630 (600)		AS1500	2100
INTERMEDIATE	TNNER (IF/IAF)	REMSY	1. TOWER (PR-000544)	182423.93N/0661218.26W	603 (2B)	500	AT397	1500
			7. TERRAIN	182430.00N/0661236.00W	394 (400)		AS1000	1400
FINAL: LNAV/VNAV	REMSY	RW10	8. TREE	182616.37N/0660150.26W	109 (2C)	23.44:1	AC20	407/398
FINAL: LNAV	REMSY	ZASPU/1.70 NM TO RW10	9. BLDG (PR-000095)	182528.00N/0660332.00W	291 (3C)	250	DG59	600
FINAL: LNAV STEPDOWN	ZASPU/1.70 NM TO RW10	RW10	10. BLDG (PR-000091)	182635.00N/0660114.00W	217 (1A)	250		480
2. HOLD-IN-LIEU-OF-PT	TNNER	P-5	11. AAO	182251.00N/0661921.00W	857 (4E)	1000	AT443	2300
			12. TERRAIN	182251.00N/0661921.00W	657 (700)		AS1500	2200
3. MISSED APPROACH MAP:	DA / RW10	DEEDY				ASC		3000
			13. CRANE (TSJU0135)	182529.79N/0655923.94W	288 (2A)	1000		1300
ELEV:	246/380		14. TERRAIN	182733.00N/0655927.00W	33 (0)		AS1500	1500

4. CIRCLING AREA	DISTANCE		HT. ABV. ARPT.							
CATEGORY A	1.3 NM	REQUIRED	350	ACTUAL	591	13. CRANE (TSJU0135)	182529.79N/0655923.94W	288 (2A)	300	600
CATEGORY B	1.5 NM		450		591	13. CRANE (TSJU0135)	182529.79N/0655923.94W	288 (2A)	300	600
CATEGORY C	1.7 NM		450		591	13. CRANE (TSJU0135)	182529.79N/0655923.94W	288 (2A)	300	600
CATEGORY D	2.3 NM		550		591	13. CRANE (TSJU0135)	182529.79N/0655923.94W	288 (2A)	300	600
CATEGORY E	4.5 NM		550							

5. MINIMUM SAFE ALTITUDES — PRIMARY NAVAID: RW10

SECTOR	OBSTRUCTION	BRG/DIST	ELEVATION (MSL)	M S A	SECTOR	OBSTRUCTION	BRG/DIST	ELEVATION (MSL)	M S A
360-360	TWR (PR-000116)	197/ 19.5	4049 (2D)	5100					

CHECKED

CITY AND STATE	ELEVATION: 9 / AIRPORT NAME:	FACILITY	PROCEDURE AND AMENDMENT NO:	REGION
SAN JUAN PR	LUIS MUNOZ MARIN INTL	RNAV	RNAV (GPS) RWY 10, AMDT 2	ASO

PART B - SUPPLEMENTAL DATA

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

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

5. APPROACH & RUNWAY LIGHTING		
		ALS
		(S) SALS
	X	**MALSR 10, 08**
	X	**HIRL 10, 28, 08, 26**
		MIRL
	X	**REIL 26**
		TDZ
		C/LINE
	X	**OTHER (SPECIFY)** **VASI-6L 28 PAPI-4L 08 VASI-4L 10**

6. RUNWAY MARKINGS	BASIC	
	ALL WEATHER	**PIR-G 10, 28, 08, 26**
	INSTRUMENT	
7. RUNWAY VISUAL RANGE	APPROACH	
	MIDFIELD	
	ROLL OUT	

8. GLIDE PATH		
	GP ANGLE: **3.00**	ELEV RWY THRESHOLD: **9.3**
	DISTANCE FROM RWY:	ELEV GP ANTENNA:
		THRESHOLD CROSSING HEIGHT: **52.2**

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

10. WAIVERS: **NONE**

PART D - PREPARED BY: **DONALD E. SMITH (AISHAT NAUZO)**	DATE: **05/14/2012**
TITLE: **AERONAUTICAL INFORMATION SPECIALIST**	OFFICE: **AJV-352**

PART C - REMARKS:

VDP NOT ESTABLISHED - VDP LESS THAN 0.5 NM AFTER STEPDOWN.

PRECIPITOUS TERRAIN EVALUATION COMPLETED.

TERPS PARAGRAPH 289 APPLIED TO 448 TOWER 182443N/0660538W

SEE ATTACHED AIRSPACE LETTER.

BACK UP ALTIMETER NOT REQUIRED DUE TO REDUNDANT SOURCES.

VGSI DATA: 3.00/49.5

VEGETATION 100 FT PER FPT

TAA NOT DEVELOPED. ATC REQUEST.

LNAV/VNAV SLOPES: 23.439:1.
LPV/LP NA - OUTSIDE OF WAAS COVERAGE.

22 DEGREE BANK ANGLE USED FOR MA CONSTRUCTION.

5 YEAR DATA NOT AVAILABLE FOR THIS LOCATION. AVERAGE COLD TEMPERATURE BASED ON STANDARD -30 C ISA DEVIATION.

QUALITY 2 CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: CORAF **STATE:** **COUNTRY:** RQ

LATITUDE/LONGITUDE: 183847.90N/0662323.94W **TYPE:** WP, INT, DME

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

FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM FAC NM	DIST FROM FAC FEET	MRA	MAA
1	SAN JUAN	SJU	VORTAC	H	308.74	297.74	25.78	25.78		1500	17500
2	DORADO	DDP	NDB	HH	017.83	006.83		10.74		1500	17500

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	309.00	129.00	R		4	3000	17500	5	17

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	SHIP	183731.40N/0662215.54W	280	5E

HOLDING RESTRICTIONS:
HOLDING LIMITED TO ESTABLISHED PATTERNS.

REMARKS:
PRECIPITOUS TERRAIN EVALUATION COMPLETED.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
EN ROUTE	A523	1, 2				(RQ)
EN ROUTE	G432	1, 2				(RQ)
EN ROUTE	PR ROUTE 006	1, 2				(RQ)
IAP	RNAV (GPS) RWY 9		1	TJIG	SAN JUAN, PUERTO RICO	(RQ)
IAP	NDB RWY 8			TJSJ	SAN JUAN, PUERTO RICO	(RQ)
IAP	RNAV (GPS) RWY 10			TJSJ	SAN JUAN, PUERTO RICO	(RQ)
IAP	RNAV (GPS) RWY 8			TJSJ	SAN JUAN, PUERTO RICO	(RQ)

REQUIRED CHARTING: IAP, CONTROLLER, EN ROUTE LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 10 **DATE OF REVISION:** 11/15/2012

REASON FOR REVISION:
REMOVED PATTERNS 1 AND 2.

DEVELOPED BY: **DATE:** 05/24/2012 **OFFICE:** AJV-352 **NAME:** DONALD SMITH (AISHAT NAUZO)

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

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: EST
ARTCC: ZSU, ZMA
ATC FACILITY: SJU ATCT
OTHER:

QUALITY 2 CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: DEEDY **STATE:** **COUNTRY:** RQ

LATITUDE/LONGITUDE: 184142.90N/0660121.51W **TYPE:** WP, INT, DME

INFO ONLY

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

FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM FAC NM	DIST FROM FAC FEET	MRA	MAA
1	SAN JUAN	SJU	VORTAC	H	003.77	352.77	15.00	15.00		1500	17500
2	BORINQUEN	BQN	VORTAC	H	089.04	079.04		62.99		2500	17500

EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
BQN	VORTAC	R-089	63	2500	17500

FIX RESTRICTIONS:
MRA BQN 2500

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	N	SJU	VORTAC	003.77	183.77	R	1-1 1/2		2500	15000	10	17
2	N		WP	004.00	184.00	R		6	2500	14000	7	11

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	265	SHIP	184142.90N/0660121.51W	280	5E
2	230	SHIP	184142.90N/0660121.51W	280	5E

HOLDING RESTRICTIONS:
HOLDING LIMITED TO ESTABLISHED PATTERNS.

REMARKS:
PRECIPITOUS TERRAIN EVALUATION COMPLETED.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
EN ROUTE	ROUTE 9					(RQ)
IAP	HI-TACAN RWY 8	1, 2	1	TJSJ	SAN JUAN, PUERTO RICO	(RQ)
IAP	ILS OR LOC RWY 10	1, 2	1	TJSJ	SAN JUAN, PUERTO RICO	(RQ)
IAP	ILS OR LOC RWY 8	1, 2	1	TJSJ	SAN JUAN, PUERTO RICO	(RQ)
IAP	NDB RWY 8	1, 2	1	TJSJ	SAN JUAN, PUERTO RICO	(RQ)
IAP	RNAV (GPS) RWY 10		2	TJSJ	SAN JUAN, PUERTO RICO	(RQ)
IAP	RNAV (GPS) RWY 26		2	TJSJ	SAN JUAN, PUERTO RICO	(RQ)
IAP	RNAV (GPS) RWY 8		2	TJSJ	SAN JUAN, PUERTO RICO	(RQ)
IAP	VOR OR TACAN RWY 10	1, 2	1	TJSJ	SAN JUAN, PUERTO RICO	(RQ)
IAP	VOR OR TACAN RWY 26	1, 2	1	TJSJ	SAN JUAN, PUERTO RICO	(RQ)
IAP	VOR OR TACAN RWY 8	1, 2	1	TJSJ	SAN JUAN, PUERTO RICO	(RQ)

REQUIRED CHARTING: MILITARY IAP, IAP, AREA, CONTROLLER, EN ROUTE LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 10 **DATE OF REVISION:** 09/23/2010

REASON FOR REVISION:
DELETED DUPLICATE HOLDING LIMITED STATEMENT FROM REMARKS.
CORRECTED HOLDING PATTERN MAX TEMPLATE PAT 1 FROM 18 TO 17.
CORRECTED PAT 2 DME LEG LENGTH FROM 4 TO 6, AND MIN TEMPLATE FROM 8 TO 7, MAX TEMPLATE FROM 12 TO 11.

DEVELOPED BY: **DATE:** 03/05/2010 **OFFICE:** AVN-110 **NAME:** CARLOS ESCALANTE

APPROVED BY: **DATE:** 09/09/2010 **OFFICE:** AVN-110 **NAME:** GEORGE DAVIS

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: EST
ARTCC: ZSU
ATC FACILITY: SJU ATCT
OTHER:

QUALITY 2 CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: REMSY **STATE:** **COUNTRY:** RQ

LATITUDE/LONGITUDE: 182601.42N/0660534.50W **TYPE:** WP, INT, DME

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

FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM FAC NM	DIST FROM FAC FEET	MRA	MAA
1	SAN JUAN	I-CLA	LOC/DME		281.14	270.14	6.00	6.00	36486	1500	4500
2	PATTY	SJ	LOM		003.63	352.63		1.50		1500	17500
3	SAN JUAN	SJU	VORTAC	H	273.77	262.77	5.95	5.95		1500	17500

HOLDING: **HOLDING TYPE OF ACTION:** ESTABLISH

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	W	I-CLA	LOC/DME	281.14	101.14	L	1		1700	10000	4	9

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	AAO	182346.61N/0661330.02W	692	2C

REASON FOR NONSTANDARD HOLDING:
PAT 1 AT REQUEST

HOLDING RESTRICTIONS:
HOLDING LIMITED TO ESTABLISHED PATTERN.

REMARKS:
SAN JUAN (FAC 1) AND PATTY (FAC 2) USED TO ESTABLISH FIX COORDINATES
PRECIPITOUS TERRAIN EVALUATION COMPLETED.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	ILS OR LOC RWY 10	1, 2, 3		TJSJ	SAN JUAN, PUERTO RICO	(RQ)
IAP	RNAV (GPS) RWY 10			TJSJ	SAN JUAN, PUERTO RICO	(RQ)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 3 **DATE OF REVISION:** 11/15/2012

REASON FOR REVISION:
FIX MOVED 1524 FT EAST, COORDINATES UPDATED.
FOR TYPE ADDED INT AND DME.
ADDED FAC 1, FAC 2 AND FAC 3.
ADDED HOLDING PATTERN.
UPDATED FIX USE.
ADDED REMARK, SAN JUAN (FAC 1) AND PATTY (FAC 2) USED TO ESTABLISH FIX COORDINATES.
ADDED PRECIPITOUS TERRAIN EVALUATION COMPLETED REMARK.
ADDED HOLDING LIMITED TO ESTABLISHED PATTERN UNDER HOLD RESTRICTIONS.

DEVELOPED BY: **DATE:** 05/09/2012 **OFFICE:** AJV-352 **NAME:** DONALD SMITH (AISHAT NAUZO)

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

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: EST
ARTCC: ZSU
ATC FACILITY: SJU ATCT
OTHER:

QUALITY 2 CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: TNNER **STATE:** **COUNTRY:** RQ

LATITUDE/LONGITUDE: 182601.95N/0661158.14W **TYPE:** WP, DME

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

FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM FAC NM	DIST FROM FAC FEET	MRA	MAA
1	SAN JUAN	I-CLA	LOC/DME		281.14	270.14	12.08	12.08		2200	4500
2	SAN JUAN	SJU	VORTAC	H	277.49	266.49	12.00	12.00		2200	17500

HOLDING: **HOLDING TYPE OF ACTION:** ESTABLISH

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	W		WP	281.07	101.07	L		4	2300	14000	5	11

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	AAO	182251.00N/0661921.00W	857	4E

REASON FOR NONSTANDARD HOLDING:
PAT 1 AT REQUEST

HOLDING RESTRICTIONS:
HOLDING LIMITED TO ESTABLISHED PATTERN.

REMARKS:
SAN JUAN (FAC 1) AND SAN JUAN (FAC 2) USED TO ESTABLISH FIX COORDINATES
PRECIPITOUS TERRAIN EVALUATION COMPLETED.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	RNAV (GPS) RWY 10		1	TJSJ	SAN JUAN	(RQ)
IAP	ILS OR LOC RWY 10	1, 2		TJSJ	SAN JUAN, PUERTO RICO	(RQ)
STAR	BEANO RNAV			TJSJ	SAN JUAN, PUERTO RICO	(RQ)
STAR	CHAKA RNAV			TJSJ	SAN JUAN, PUERTO RICO	(RQ)
STAR	JOSHE RNAV			TJSJ	SAN JUAN, PUERTO RICO	(RQ)
STAR	SAALR RNAV			TJSJ	SAN JUAN, PUERTO RICO	(RQ)
STAR	TROCO RNAV			TJSJ	SAN JUAN, PUERTO RICO	(RQ)

REQUIRED CHARTING: STAR, IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 2 **DATE OF REVISION:** 11/15/2012

REASON FOR REVISION:
ADDED FAC 1 DME DISTANCE.
RAISED FAC 1 AND FAC 2 MRA FROM 1700 TO 2200.
ADDED REMARK, SAN JUAN (FAC 1) AND SAN JUAN (FAC 2) USED TO ESTABLISH FIX COORDINATES.
UPDATED FIX USE.
ADDED WP HOLDING PATTERN INFO.
ADDED PRECIPITOUS TERRAIN EVALUATION COMPLETED.
ADDED HOLDING LIMITED TO ESTABLISHED PATTERN.

DEVELOPED BY: **DATE:** 05/10/2012 **OFFICE:** AJV-352 **NAME:** DONALD SMITH (AISHAT NAUZO)

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

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: EST
ARTCC: ZSU
ATC FACILITY: SAN JUAN
OTHER: NGA

QUALITY 2 CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: VARNA **STATE:** **COUNTRY:** RQ

LATITUDE/LONGITUDE: 181902.20N/0661849.02W **TYPE:** WP, INT, DME

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

FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM FAC NM	DIST FROM FAC FEET	MRA	MAA
1	SAN JUAN	SJU	VORTAC	H	258.42	247.42	20.04	20.04		3700	17500
2	BORINQUEN	BQN	VORTAC	H	113.27	103.27		46.61		6000	14800
3	SAN JUAN	I-SJU	LOC		257.98	246.98		20.19		3200	4500

EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
I-SJU	LOC	R-258	21	3200	4500
BQN	VORTAC	R-113	47	6000	14800

FIX RESTRICTIONS:
MRA ROUTE10/12 6000

HOLDING: **HOLDING TYPE OF ACTION:** CANCEL

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
EN ROUTE	G449	1, 2				(RQ)
EN ROUTE	PR-ROUTE 010	1, 2				(RQ)
EN ROUTE	PR-ROUTE 012	1, 2				(RQ)
IAP	ILS OR LOC RWY 8	1, 3		TJSJ	SAN JUAN, PUERTO RICO	(RQ)
IAP	RNAV (GPS) RWY 10			TJSJ	SAN JUAN, PUERTO RICO	(RQ)
IAP	RNAV (GPS) RWY 8			TJSJ	SAN JUAN, PUERTO RICO	(RQ)
STAR	JOSHE RNAV			TJSJ	SAN JUAN, PUERTO RICO	(RQ)

REQUIRED CHARTING: STAR, IAP, AREA, CONTROLLER, EN ROUTE LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 13 **DATE OF REVISION:** 11/15/2012

REASON FOR REVISION:
DELETED FAC 4 AND PAT 1 PSE VOR/DME.
REMOVED HOLDING LIMITED TO ESTABLISHED PATTERNS.
REMOVED PAT 1 REQUIRES FAC 2 & 4.
REMOVED PRECIPITOUS TERRAIN EVALUATION COMPLETED.

DEVELOPED BY: **DATE:** 05/10/2012 **OFFICE:** AJV-352 **NAME:** DONALD SMITH (AISHAT NAUZO)

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

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: EST
ARTCC: ZSU
ATC FACILITY: SJU ATCT
OTHER: NGA

QUALITY 2 CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: YIGTO **STATE:** **COUNTRY:** RQ

LATITUDE/LONGITUDE: 182257.58N/0661458.70W **TYPE:** WP

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

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

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	RNAV (GPS) RWY 10			TJSJ	SAN JUAN, PUERTO RICO	(RQ)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 2 **DATE OF REVISION:** 11/15/2012

REASON FOR REVISION:
FIX MOVED 702.15 FT SOUTHEAST TO ALIGN COURSE FROM YIGTO WITH COURSE FROM VARNA (IAF).

DEVELOPED BY: **DATE:** 05/24/2012 **OFFICE:** AJV-352 **NAME:** DONALD SMITH (AISHAT NAUZO)

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

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: EST
ARTCC: ZSU
ATC FACILITY: SJU ATCT
OTHER:

QUALITY 2 CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: ZASPU **STATE:** **COUNTRY:** RQ

LATITUDE/LONGITUDE: 182601.05N/0660236.71W **TYPE:** WP, INT, DME

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

FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM FAC NM	DIST FROM FAC FEET	MRA	MAA
1	SAN JUAN	I-CLA	LOC/DME		281.14	270.14	3.19	3.19		500	4500
2	PATTY	SJ	LOM		071.63	060.63		3.01		500	4500

REMARKS:
SAN JUAN (FAC 1) AND PATTY (FAC 2) USED TO ESTABLISH FIX COORDINATES

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	ILS OR LOC RWY 10	1, 2		TJSJ	SAN JUAN, PUERTO RICO	(RQ)
IAP	RNAV (GPS) RWY 10			TJSJ	SAN JUAN, PUERTO RICO	(RQ)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG **DATE OF REVISION:** 11/15/2012

DEVELOPED BY: **DATE:** 05/09/2012 **OFFICE:** AJV-352 **NAME:** DONALD SMITH (AISHAT NAUZO)

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

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: EST
ARTCC: ZSU
ATC FACILITY: SJU ATCT
OTHER:

QUALITY 2 CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: BINJI **STATE:** **COUNTRY:** RQ

LATITUDE/LONGITUDE: 182602.07N/0661215.43W **TYPE:** WP

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

HOLDING: **HOLDING TYPE OF ACTION:** CANCEL

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	W		WP	281.08	101.08	L		4	2300	14000	5	11

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	AAO	182333.00N/0661800.00W	857	4E

REASON FOR NONSTANDARD HOLDING:
PAT 1 ATC REQUEST

HOLDING RESTRICTIONS:
HOLDING LIMITED TO ESTABLISHED PATTERN.

REMARKS:
PRECIPITOUS TERRAIN EVALUATION COMPLETED.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	RNAV (GPS) RWY 10		1	TJSJ	SAN JUAN, PUERTO RICO	(RQ)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 2 **DATE OF REVISION:** 11/15/2012

REASON FOR REVISION:
MOVED FIX WEST 5284.66 FEET (0.87 NM) TO RELOCATE INTERMEDIATE FIX.
FAC 1 FOR FIX MAKE-UP (TJSJ) R10 DELETED.
AMENDED COURSE INBOUND FOR HOLDING FROM 101.09 TO 101.08.
UPDATED CONTROLLING OBSTRUCTION COORDINATES, ELEVATION AND ACCURACY CODE.
MOVED "HOLDING LIMITED..." STATEMENT TO HOLDING RESTRICTIONS.
ADDED PRECIPITOUS TERRAIN STATEMENT TO REMARKS.
UPDATED FIX USE.

DEVELOPED BY: **DATE:** **OFFICE:** **NAME:**

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

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: EST
ARTCC: ZSU
ATC FACILITY: SJU ATCT
OTHER:

QUALITY 2 CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: ONESY **STATE:** **COUNTRY:** RQ

LATITUDE/LONGITUDE: 182945.84N/0655220.23W **TYPE:** WP

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

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	RNAV (GPS) RWY 10			TJSJ	SAN JUAN, PUERTO RICO	(RQ)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG **DATE OF REVISION:** 11/15/2012

DEVELOPED BY: **DATE:** **OFFICE:** **NAME:**

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

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: EST
ARTCC: ZSU
ATC FACILITY: SJU ATCT/APP CON
OTHER:

QUALITY 2 CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: UPRAF **STATE:** **COUNTRY:** RQ

LATITUDE/LONGITUDE: 182600.14N/0655616.83W **TYPE:** WP

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

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

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	RNAV (GPS) RWY 10			TJSJ	SAN JUAN, PUERTO RICO	(RQ)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1 **DATE OF REVISION:** 11/15/2012

REASON FOR REVISION:
FIX COORDINATES MOVED EAST 8018.01 FEET (1.32 NM); DISTANCE TO FIRST FIX WAS TO SHORT FOR PRECISION MISSED APPROACH.
ADDED WP FOR TYPE FIX.
ADDED FIX USE.
ADDED SIGNATURES.
ADDED IAP CHART PUBLICATION.

DEVELOPED BY: **DATE:** **OFFICE:** **NAME:**

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

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: EST
ARTCC: ZSU
ATC FACILITY: SJU ATCT/APP CON
OTHER:

QUALITY 2 CHECKED

TERMINAL AIRSPACE DATA REQUIREMENTS

CITY: **SAN JUAN** STATE: **PR**

AIRPORT NAME: **LUIS MUNOZ MARIN INTL** ID: **TJSJ**

PROCEDURE: **RNAV GPS RWY 10** AMDT: **2**

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 **3.26**
   (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 **090.12**
4. High Terrain in **FINAL** segment containing 1000' point **112**
5. Distance from **THLD** to 1500' point **10.40**
   (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 **090.07**
8. High Terrain in **INTERMEDIATE** segment containing 1500' point **329**
9. Threshold Coordinates (if straight-in) ... **182600.81N** / **0660049.42W**
10. ARP Coordinates ..... **182621.46N** / **0660007.22W**
11. Runway Approach End and distance furthest from ARP.....RWY **26**
    Distance **0.96** NM
12. FAF Coordinates ..... **182601.42N** / **0660534.50W**
    (Click to Select)

REMARKS: Approach/Drawing attached.