Flight Procedure Tracking Form

Action:	Task Type:	Date Open:	Task #:	Request #:
FLIGHT CHECK	IAP	01/04/2011	2011010426631501002	20110104266315

Procedure:	Airport ID:	Airport:	Reimbursable #:
RNAV (GPS)-B ORIG	KX04	ORLANDO APOPKA	

City:	ST:	GPS #:	Estimated Chart Date:	FICO #:
APOPKA	FL		09/20/2012	

Fac ID:	Fac. Type:	Specialist:
	LNAV	DAN POWELL

Procedure Review

	Rec'd	Rel'd	Full Name	Comments
Lead:	03/28/2012	05/10/2012	DONALD SMITH	
QA:	05/10/2012	05/14/2012	STEVEN SZUKALA	
Liaison:	05/14/2012		Alfonso	MAGVAR

P3

MAG VAR

Procedure Comments: ENROUTE

Remark Type: INFORMATION

pkg 2 of 3

APOPKA, FL ORLANDO APOPKA (KX04) RNAV (GPS)-8, ORIG ENROUTE-YES FC: 7.24.12 PUB: 9.20.12

ATTACHED FORMS: 8260-3, 8260-10; 8260-9; 8260-2(S): FTEEN, ORIG; GATUR, ORIG; JAXIN, ORIG; MODIN, ORIG; TBEAU, ORIG, (INFO ONLY) JENSN-INT, REV 8.

CONTACT: DON SMITH, AJV-352 LEAD, 405.954.1036:

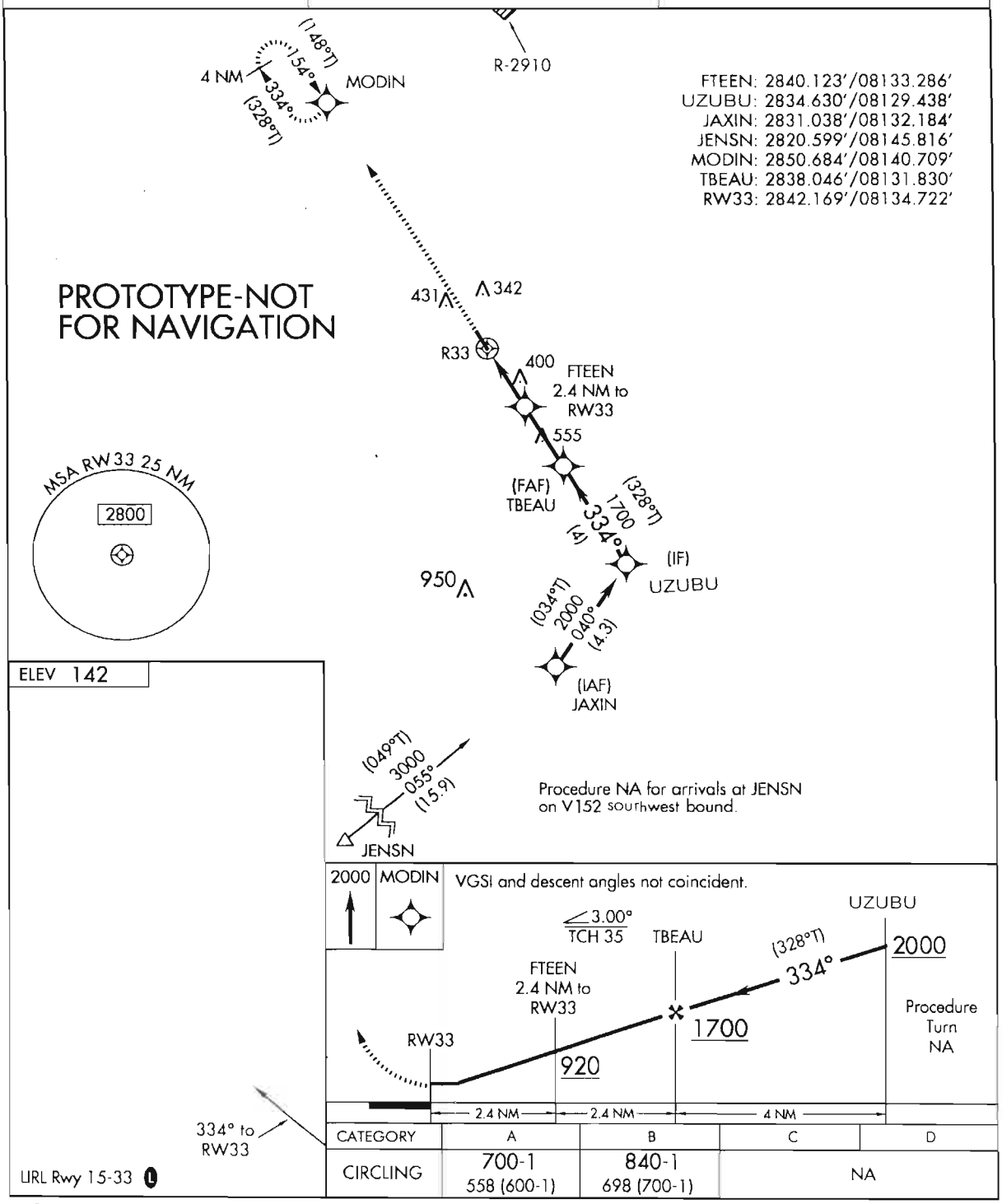
APP CRS	Rwy ldg	3987
334°	TDZE	N/A
	Apt Elev	142

RNAV (GPS)-B
ORLANDO APOPKA (XØ4)

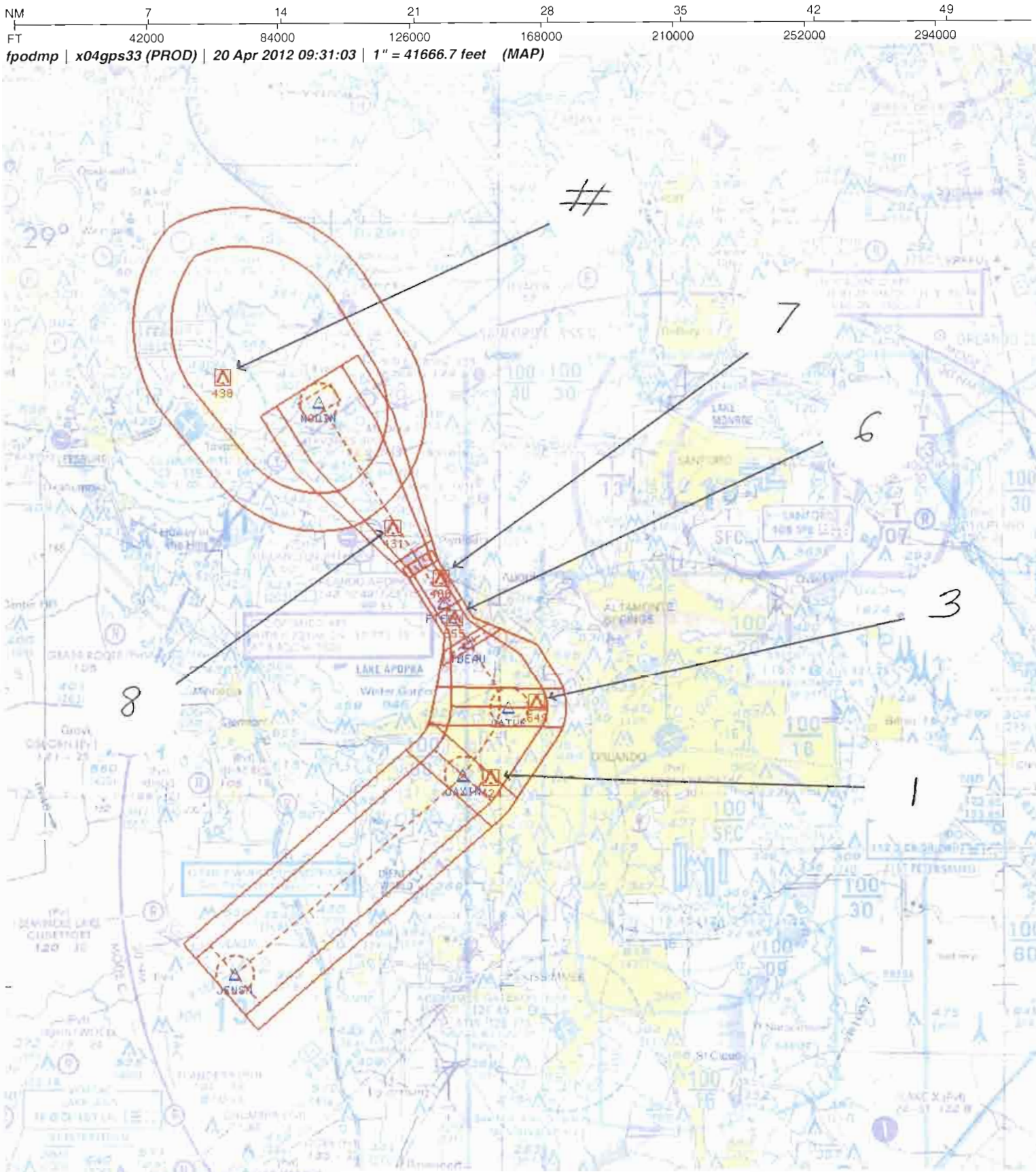
DME/DME RNP-0.3 NA. Procedure NA at night. Visibility reduction by helicopters NA. Use Leesburg Intl altimeter setting; when not received, use Executive altimeter setting.

MISSED APPROACH: Climb to 2000 direct MODIN and hold.

LEESBURG INTL ASOS	XXXXXXXXXXXXX	UNICOM
134.325	XXX.XX	123.05 (CTAF)



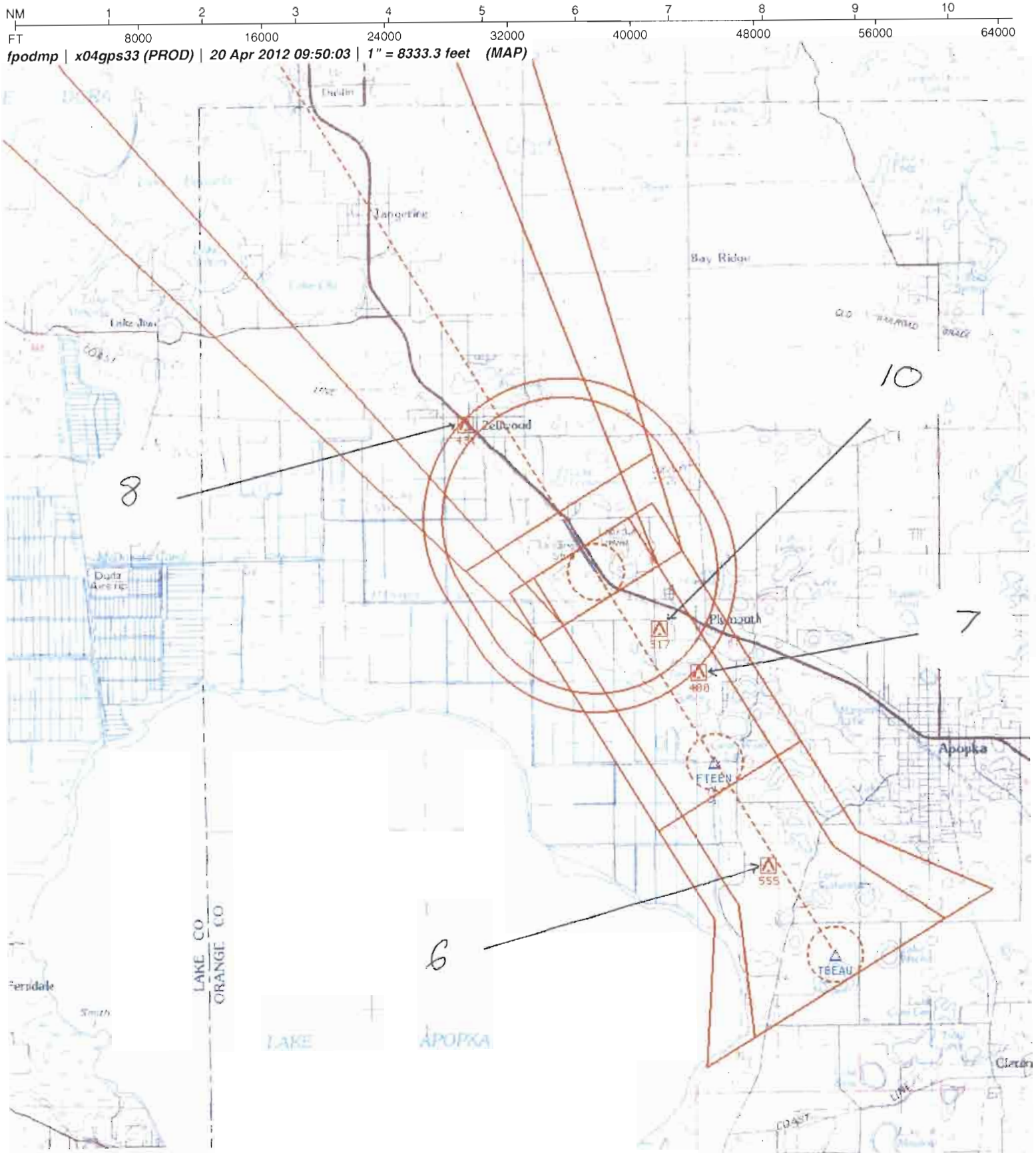
CATEGORY	A	B	C	D
CIRCLING	700-1 558 (600-1)	840-1 698 (700-1)	NA	



Airport ID	KX04
Apt Name:	ORLANDO APOPKA
City:	APOPKA
State:	FL
Scale:	1:500,000
Proc ID:	RNAV (GPS) - B
Amdt #:	ORIG

FM 9

No	SEGMENT	OBSTRUCTION	ELEV
1	FEEDER	AAO	424
3	INITIAL / INTERMEDIATE	TWR (12-000346)	649
6	FINAL: LNAV	TWR (12-002624)	555
7	FINAL: LNAV STEPDOWN	TWR (12-000890)	400
8	MISSED APPROACH	TWR (12-000429)	431
#	HOLDING	TWR (12-001944)	430



Airport ID	KX04
Apt Name:	ORLANDO APOPKA
City:	APOPKA
State:	FL
Scale:	1:100,000
Proc ID:	RNAV (GPS) - B
Amdt #:	ORIG

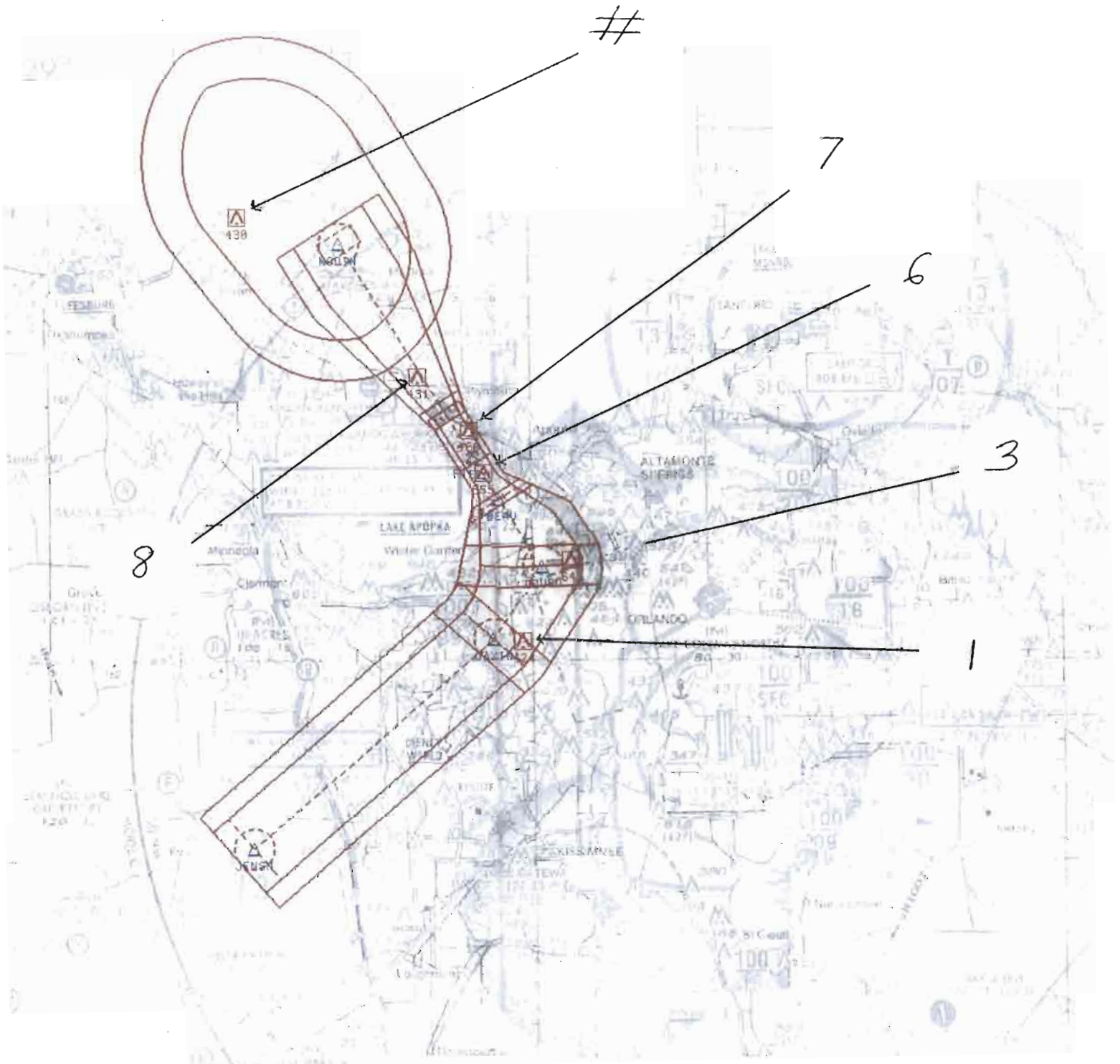
FM 9

No	SEGMENT	OBSTRUCTION	ELEV
6	FINAL: LNAV	TWR (12-002624)	555
7	FINAL: LNAV STEPDOWN	TWR (12-000890)	400
8	MISSED / CIRC CAT B	TWR (12-000429)	431
10	CIRC CAT A	TWR (12-020363)	317

NM 7 14 21 28 35 42 49

FT 42000 84000 126000 168000 210000 252000 294000

fpodmp | x04gps33 (PROD) | 20 Apr 2012 09:31:03 | 1" = 41666.7 feet (MAP)



Airport ID	KX04
Apt Name:	ORLANDO APOPKA
City:	APOPKA
State:	FL
Scale:	1:500,000
Proc ID:	RNAV (GPS) - B
Amdt #:	ORIG

FM 9

No	SEGMENT	OBSTRUCTION	ELEV
1	FEEDER	AAO	424
3	INITIAL / INTERMEDIATE	TWR (12-000346)	649
6	FINAL: LNAV	TWR (12-002624)	555
7	FINAL: LNAV STEPDOWN	TWR (12-000890)	400
8	MISSED APPROACH	TWR (12-000429)	431
#	HOLDING	TWR (12-001944)	430

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
JENSN	JAXIN (FB)	055.05 / 15.90	3000
JAXIN (IAF)	UZUBU (FB)	040.00 / 4.32	2000
UZUBU (IF)	TBEAU (FB)	334.29 / 4.00	1700
TBEAU (FAF)	FTEEN/2.40 NM TO RW33 (FB)	334.27 / 2.44	
FTEEN/2.40 NM TO RW33	RW33 (MAP) (FO)	334.26 / 2.40	
RW33 (MAP)	542 MSL	334.26	
542 MSL	MODIN (FO)		2000

MISSED APPROACH

LNAV: RW33

CLIMB TO 2000 DIRECT MODIN AND HOLD.

ADDITIONAL FLIGHT DATA:
HOLD NW, RT, 154.20 INBOUND.
CHART FAS OBST: 400 TOWER 284100N/0813328W
CHART R-2910.
TBEAU TO RW33: 3.00/35
FAC ALIGNED STRAIGHT-IN TO RWY 33.
CHART LEESBURG INTL ASOS

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. PROFILE STARTS AT UZUBU
3. FAC: 334.27 FAF: TBEAU DIST FAF TO MAP: 4.84 THLD: 4.84
4. MIN. ALT: UZUBU 2000, TBEAU 1700, FTEEN/2.40 NM TO RW33 920
5. DIST TO THLD FROM OM: ____ MM: ____ IM: ____ 150 HAT: ____ 100 HAT: ____ GS ANT: ____
6. MIN GS INCPT: ____ GS ALT AT: ____ OM: ____ MM: ____ IM: ____
7. GS ANGLE: ____ TCH: 34:1 IS NOT CLEAR
8. MSA FROM: RW33 2800

MAG VAR: 6W EPOCH YEAR: 2015

MINIMUMS

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

ALTERNATE: N A | X |

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
CIRCLING	700	1	558	840	1	698		NA			NA				

NOTES:
CHART NOTE: DME/DME RNP-0.3 NA.
CHART NOTE: PROCEDURE NA AT NIGHT.
CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA.
CHART PROFILE NOTE: VGSI AND DESCENT ANGLES NOT COINCIDENT.
(SEE FORM 8260-10)

4

CITY AND STATE	ELEVATION: 142 TDZE:	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
APOPKA, FL	AIRPORT NAME: ORLANDO APOPKA	RNAV	RNAV (GPS)-B, ORIG	AMDT: NONE
				DATED

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

COORDINATED WITH:

ATA	AAT	ALPA	APA	AOPA	NBAA	OTHER (specify)
[ ]	[ ]	[X]	[ ]	[X]	[X]	[X] ZJX, MCO APP CON, AMGR

FLIGHT CHECKED BY

NAME:	FIFO	DATE:
ROBERT BERNARD COOPER	FIOG	06/27/2012

DEVELOPED BY

NAME:	FIFO	DATE:
DONALD E. SMITH (DAN POWELL)	AJV-352	04/17/2012

APPROVED BY

NAME:	FIFO	DATE:
DARRYEL ADAMS MANAGER	AJV-352	

CHANGES:

1. ORIGINAL PROCEDURE.

REASONS:

1. FPT REQUEST.

07/02/2012: THIS IS AN UPDATED COPY OF THE FORM DEVELOPED ON 04/17/2012.
1. INTERMEDIATE FIX NAME GATUR CHANGED TO UZUBU DUE TO GATUR FIX NAME NOT AVAILABLE PER NFDC.

***CONCURRENT WITH AIRSPACE DOCKET NUMBER 12-ASO-16**

QUALITY 4 CHECKED

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 aiport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

NOTES, (CONT.):
CHART NOTE: USE LEESBURG INTL ALTIMETER SETTING; WHEN NOT RECEIVED, USE EXECUTIVE ALTIMETER SETTING.

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT JENSN ON V152 SOUTHWEST BOUND.

QUALITY 4 CHECKED

CITY AND STATE	ELEVATION: 142 TDZE: AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
APOPKA, FL	ORLANDO APOPKA	RNAV	RNAV (GPS)-B, 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 (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - **FAR 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.

```
ARINC PACKET - 424-18 - RNAV (GPS)

                 1         2         3         4         5         6         7         8         9         0         1         2         3
WP      123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAEAENRT   FTEEN K70    W     N28400735W081331715                      W0058     NAR           FTEEN
        SUSAEAENRT   JAXIN K70    W     N28310226W081321101                      W0058     NAR           JAXIN
        SUSAEAENRT   JENSN K70    C   L N28203593W081454898                      W0056     NAR           JENSN
        SUSAEAENRT   MODIN K70    W     N28504103W081404256                      W0058     NAR           MODIN
        SUSAEAENRT   TBEAU K70    W     N28380275W081314980                      W0058     NAR           TBEAU
        SUSAEAENRT   UZUBU K70    W     N28343782W081292628                      W0058     NAR           UZUBU

                 1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP X04 K7AX04     0     039YHN28422691W081345507W006000142         1800018000C    MNAR    ORLANDO APOPKA

                 1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP X04 K7FRNV-B AJENSN 010JENSNK7EA0E       IF                                          18000                 B JC
        SUSAP X04 K7FRNV-B AJENSN 020JAXINK7EA0E  A 020TF                    05510159    + 03000                          B JC
        SUSAP X04 K7FRNV-B AJENSN 030UZUBUK7EA0EE B 010TF                    04000043    + 02000                          B JC
        SUSAP X04 K7FRNV-B R      010UZUBUK7EA0E  I    IF                                + 02000     18000                B JC
        SUSAP X04 K7FRNV-B R      020TBEAUK7EA0E  F 051TF                    33430040    + 01700                 RW33  K7PGB JC
        SUSAP X04 K7FRNV-B R      021FTEENK7EA0E S  031TF                    33430024    V 0092000924        -300          B JC
        SUSAP X04 K7FRNV-B R      030RW33 K7PG0GY M 031TF                    33430024      00160             -300          B JC
        SUSAP X04 K7FRNV-B R      040         0  M     CA                    3343        + 00542                          B JC
        SUSAP X04 K7FRNV-B R      050MODINK7EA0EY      DF                    3342        + 02000                          B JC
        SUSAP X04 K7FRNV-B R      060MODINK7EA0EE  R   HM                    15420040    + 02000                          B JC

                 1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY  123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP X04 K7GRW33    0039873343 N28421013W081344329+0400    +0010700125000035060R

                 1         2         3         4         5         6         7         8         9         0         1         2         3
MSA     123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP X04 K7SRW33 K7PG               0   18018002825                                                                        M
```

CITY AND STATE	ELEVATION: **142** TDZE:	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
APOPKA, FL	AIRPORT NAME: **ORLANDO APOPKA**	**RNAV**	**RNAV (GPS)-B, ORIG**	AMDT: **NONE**
				DATED:

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
	JENSN	JENSN	010		IF		FB					
	JENSN	JAXIN	020	IAF	TF		FB	2.0	055.1(049.1T)	015.9	AA 03000	
	JENSN	UZUBU	030		TF		FB	1.0	040.0(034.0T)	004.3	AA 02000	
		UZUBU	010	FACF	IF		FB				AA 02000	
		TBEAU	020	FAF	TF		FB	0.5	334.3(328.3T)	004.0	AA 01700	
		FTEEN	021	SDF	TF		FB	0.3	334.3(328.3T)	002.4	AA 00920 GS 00924	
		RW33	030	MAP	TF		FO	0.3	334.3(328.3T)	002.4	AT 00160	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		334.3(328.3T)		AA 00542	
	MODIN	050		DF		FO		334.2(328.2T)		AA 02000	
	MODIN	060		HM	R	FO		154.2(148.2T)	004.0	AA 02000	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	FTEEN	N284007.35	W0813317.15	N2840.123	W08133.286
	JAXIN	N283102.26	W0813211.01	N2831.038	W08132.184
	JENSN	N282035.93	W0814548.98	N2820.599	W08145.816
	MODIN	N285041.03	W0814042.56	N2850.684	W08140.709
	TBEAU	N283802.75	W0813149.80	N2838.046	W08131.830
	UZUBU	N283437.82	W0812926.28	N2834.630	W08129.438
	RW33	N284210.13	W0813443.29	N2842.169	W08134.722

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW33	00125	35

CITY AND STATE	ELEVATION: **142** TDZE:	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
APOPKA, FL	AIRPORT NAME: **ORLANDO APOPKA**	**RNAV**	**RNAV (GPS)-B, ORIG**	AMDT: **NONE**
				DATED:

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.
FEEDER	JENSN	JAXIN	1. AAO	283030.00N/0813030.00W	424 (4E)	1000	AT1576	3000
			2. TERRAIN	282818.00N/0813848.00W	210 (200)		AS1500	1700
INITIAL	JAXIN	UZUBU	3. TOWER (12-000346)	283428.00N/0812745.00W	649 (5D)	1000	AT351	2000
			4. TERRAIN	283030.00N/0813030.00W	224 (200)		AS1500	1700
INTERMEDIATE	UZUBU	TBEAU	3. TOWER (12-000346)	283428.00N/0812745.00W	649 (5D)	500		1200
			5. TERRAIN	283557.00N/0813209.00W	204 (200)		AS1500	1700
FINAL: LNAV	TBEAU	FTEEN/2.40 NM TO	6. TOWER (12-002624)	283856.00N/0813238.00W	555 (5D)	250	RA42 AC50 DG23	920
		RW33						
FINAL: LNAV STEPDOWN	FTEEN/2.40 NM TO	RW33	7. TOWER (12-000890)	284100.00N/0813328.00W	400 (3C)	250	RA42	700
	RW33							
2. PROCEDURE TURN	NA							
3. MISSED APPROACH MAP:	RW33	MODIN				ASC		2000
			8. TOWER (12-000429)	284339.98N/0813617.26W	431 (5D)	1000		1500
ELEV:	558		9. TERRAIN	284903.00N/0813821.00W	210 (200)		AS1500	1700
10. TOWER (12-020363)	284128.37N/0813356.46W	317 (2C)	300	SI	700
8. TOWER (12-000429)	284339.98N/0813617.26W	431 (5D)	300	AC50 RA42	840

4. CIRCLING AREA	DISTANCE	HT. ABV. ARPT. REQUIRED	HT. ABV. ARPT. ACTUAL	
CATEGORY A	1.3 NM	350	558	
CATEGORY B	1.5 NM	450	698	
CATEGORY C	1.7 NM	450		
CATEGORY D	2.3 NM	550		
CATEGORY E	4.5 NM	550		

5. MINIMUM SAFE ALTITUDES — PRIMARY NAVAID: RW33

SECTOR	OBSTRUCTION	BRG/DIST	ELEVATION (MSL)	M S A	SECTOR	OBSTRUCTION	BRG/DIST	ELEVATION (MSL)	M S A
360-360	TWR (12-004309)	107/ 28.0	1749 (4D)	2800					

QUALITY CHECKED

CITY AND STATE	ELEVATION: 142 / AIRPORT NAME:	FACILITY	PROCEDURE AND AMENDMENT NO:	REGION
APOPKA, FL	ORLANDO APOPKA	RNAV	RNAV (GPS)-B, ORIG	ASO

PART B - SUPPLEMENTAL DATA

1. COMMUNICATIONS WITH:	2. WEATHER SERVICE	3. ALTIMETER SETTING
ZJX ARTCC KMCO APP CON	N W S OTHER:	SOURCE: KLEE / KORL
	F A A	DISTANCE: 13.79 / 16.34
SATISFACTORY ON:	A / C	HOURS REMOTE OPERATION: 24 / BACKUP
X VHF X UHF HF	LOCATION:	ADJUSTMENT: 41 / 42

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
X	OTHER (SPECIFY) LIRL 33 (PCL), 15 (PCL) PAPI-2L 33, 15

6. RUNWAY MARKINGS	BASIC BSC-F 33, 15	
	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			
	X	RUNWAY THRESHOLD	FT. FROM THRESHOLD
	X	ON CENTERLINE	FT. FROM CENTERLINE

10. WAIVERS: NONE

PART D - PREPARED BY: DONALD E. SMITH (DAN POWELL)	DATE: 04/17/2012
TITLE: AERONAUTICAL INFORMATION SPECIALIST	OFFICE: AJV-352

PART C - REMARKS:

VDP NOT ESTABLISHED - PRIMARY ALTIMETER IS REMOTE.

PRECIPITOUS TERRAIN EVALUATION COMPLETED.

KLEE ASOS ON SERVICE A.
KORL ASOS ON SERVICE A.

VGSI DATA: 3.00/25

RASS PRESSURE PATTERNS SAME
KLEE 75.9, KORL 112.8
RA = 42.
SEE ATTACHED AIRSPACE LETTER.

TAA NOT DEVELOPED PER FPO VIA ATC REQUEST.

AVERAGE VEGETATION ASSUMED TO BE 100 FT PER FPO.

PROCEDURE ONLY CATS A/B MINIMA AND DESIGNED AS STRAIGHT-IN BUT UTILIZE CIRC ONLY MINS PER AGREEMENT BETWEEN FPT AND AIRPORT AUTHORITY.

CONTROLLING OBSTRUCTIONS AND TERRAIN SAME FOR ALL INTERMEDIATE SEGMENTS.

MSA CONTROLLING OBSTACLE #12-004309 4C AC PER STUDY 1999-ASO-2313-OE.

FEEDER SEGMENT ALTITUDE ESTABLISHED AT 3000 PER ATC REQUEST; ATC HAS ACKNOWLEDGED THAT THIS ALTITUDE IS ACCEPTABLE REGARDING DISNEY WORLD THEME PARK RESTRICTION NOTICE IN THAT AIRCRAFT ARE ARRIVING OR DEPARTING USING STANDARD AIR TRAFFIC PROCEDURES.

JAXIN FIX NOT UTILIZED AS IAF ON V537 DUE TO DESCENT GRADIENT LIMITATIONS; ARRIVAL HOLDING NOT DESIRED PER ATC.

PROCEDURE NA AT NIGHT AND VISIBILITY REDUCTION BY HELICOPTERS NA NOTES DUE TO NO SURVEY AND LACK OF OBSTRUCTIONS IN DATABASE (VISUAL SURFACES CANNOT BE VALIDATED).

ALTERNATE MINS NA DUE TO REMOTE PRIMARY ALTIMETER SOURCE.

SECONDARY ALTIMETER SOURCE (KORL) RASS ADJUSTMENT APPLIED TO PRIMARY (KLEE); 42 FEET UTILIZED FOR FINAL AND CIRCILING SEGMENTS.

FINAL APPROACH COURSE ALIGNED TO RWY 33 THLD ON CENTERLINE.

QUALITY CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: FTEEN **STATE:** FL **COUNTRY:** US

LATITUDE/LONGITUDE: 284007.35N/0813317.15W **TYPE:** WP

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

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	RNAV (GPS) - B			KX04	APOPKA	FL (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG **DATE OF REVISION:** 09/20/2012

DEVELOPED BY: **DATE:** 04/11/2012 **OFFICE:** AJV-352 **NAME:** DONALD SMITH (DAN POWELL)

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

SIGNATURE:

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

QUALITY CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: JAXIN **STATE:** FL **COUNTRY:** US

LATITUDE/LONGITUDE: 283102.26N/0813211.01W **TYPE:** WP

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

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	RNAV (GPS) - B			KX04	APOPKA	FL (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG **DATE OF REVISION:** 09/20/2012

DEVELOPED BY: **DATE:** 04/11/2012 **OFFICE:** AJV-352 **NAME:** DONALD SMITH (DAN POWELL)

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

SIGNATURE:

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

QUALITY CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: MODIN **STATE:** FL **COUNTRY:** US

LATITUDE/LONGITUDE: 285041.03N/0814042.56W **TYPE:** WP

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

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	NW		WP	334.20	154.20	R		4	2000	6000	4	6

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	TOWER (12-001944)	285134.00N/0814626.00W	430	5D

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) - A		1	KX04	APOPKA	FL (US)
IAP	RNAV (GPS) - B		1	KX04	APOPKA	FL (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG **DATE OF REVISION:** 09/20/2012

DEVELOPED BY: **DATE:** 04/12/2012 **OFFICE:** AJV-352 **NAME:** DONALD SMITH (DAN POWELL)

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

SIGNATURE:

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

QUALITY CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: TBEAU **STATE:** FL **COUNTRY:** US

LATITUDE/LONGITUDE: 283802.75N/0813149.80W **TYPE:** WP

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

REMARKS:
USED 8260.54A FORMULA 2-16B (PFAF) LOCATION.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	RNAV (GPS) - B			KX04	APOPKA	FL (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG **DATE OF REVISION:** 09/20/2012

DEVELOPED BY: **DATE:** 04/11/2012 **OFFICE:** AJV-352 **NAME:** DONALD SMITH (DAN POWELL)

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

SIGNATURE:

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

RADIO FIX AND HOLDING DATA RECORD

NAME: JENSN **STATE:** FL **COUNTRY:** US

LATITUDE/LONGITUDE: 282035.93N/0814548.98W **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	ST PETERSBURG	PIE	VORTAC	H	066.70	061.70	55.36	55.36		4000	17500
2	OCALA	OCF	VORTAC	L	153.84	153.84		55.56		2500	17500

EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
PIE	VORTAC	R-067	56	4000	14500
OCF	VORTAC	R-154	56	2500	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	SW		WP	246.70	066.70	R		4	4000	6000	5	6

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	TOWER (12-002981)	281537.00N/0815210.00W	525	3C
1	310	TOWER (12-002037)	281237.40N/0820257.47W	726	1A

HOLDING RESTRICTIONS:
HOLDING LIMITED TO ESTABLISHED PATTERN.

PROCEDURES REQUIRING CLIMB-IN-HOLD:

PAT	PROCEDURE TITLE	AIRPORT IDENT	CITY	STATE
1	RNAV (GPS) RWY 6	KISM	ORLANDO	FL (US)

REMARKS:
ST PETERSBURG (FAC 1) AND OCALA (FAC 2) USED TO ESTABLISH FIX COORDINATES
PRECIPITOUS TERRAIN EVALUATION COMPLETED.
OMN VORTAC NOT SUITABLE FOR NAVIGATIONAL USE AT THIS LOCATION.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
EN ROUTE	V152	1, 2				(US)
IAP	RNAV (GPS) - B			KX04	APOPKA	FL (US)
IAP	RNAV (GPS) RWY 03			KLEE	LEESBURG	FL (US)
IAP	RNAV (GPS) RWY 31			KLEE	LEESBURG	FL (US)
IAP	RNAV (GPS) RWY 15			KISM	ORLANDO	FL (US)
IAP	RNAV (GPS) RWY 6		1	KISM	ORLANDO	FL (US)

REQUIRED CHARTING: IAP, CONTROLLER, EN ROUTE LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 8 **DATE OF REVISION:** 09/20/2012

REASON FOR REVISION:
ADDED HOLDING PATTERN.
UPDATED FIX USE AND REMARKS.

DEVELOPED BY: **DATE:** 01/23/2012 **OFFICE:** AJV-352 **NAME:** KELLY DEAN

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

SIGNATURE:

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

RADIO FIX AND HOLDING DATA RECORD

NAME: UZUBU **STATE:** FL **COUNTRY:** US

LATITUDE/LONGITUDE: 283437.82N/0812926.28W **TYPE:** WP

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

REMARKS:
07/02/2012: THIS IS AN UPDATED COPY OF THE FORM DEVELOPED ON 04/11/2012.
1. FIX NAME GATUR CHANGED TO UZUBU.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	RNAV (GPS) - B			KX04	APORKA	FL (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG **DATE OF REVISION:** 09/20/2012

DEVELOPED BY: **DATE:** 04/11/2012 **OFFICE:** AJV-352 **NAME:** DAN POWELL

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

SIGNATURE:

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

QUALITY CHECKED 4

TERMINAL AIRSPACE DATA REQUIREMENTS

CITY: **APOPKA** STATE: **FL**

AIRPORT NAME: **ORLANDO APOPKA** ID: **KX04**

PROCEDURE: **RNAV (GPS) - B** AMDT: **ORIG**

DOCKET # : **12-ASO-16**
(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 **3.21**
   (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 **328.27**
4. High Terrain in **FINAL** segment containing 1000' point **207**
5. Distance from **THLD** to 1500' point **4.84**
   (If 1500' point in PT maneuvering area or holding pattern note in remarks)
6. Width of **FINAL** segment at 1500' point **2.13**
7. True Course of **FINAL** segment containing 1500' point **328.27**
8. High Terrain in **FINAL** segment containing 1500' point **207**
9. Threshold Coordinates (if straight-in) ... **284210.13N / 0813443.29W**
10. ARP Coordinates ..... **284226.91N / 0813455.07W**
11. Runway Approach End and distance furthest from ARP.....RWY **33**
    Distance **.33** NM
12. FAF Coordinates ..... **283802.75N / 0813149.80W**
    (Click to Select)

REMARKS: Approach/Drawing attached.

Federal Aviation Administration

Memorandum

Date:

To: Dick Powell Manager, National Flight Data Center, AJV-21

From: Darryel Adams, Manager, Terminal Procedures & Charting Services, Eastern Team, AJV-352

Subject: **ACTION:** Magnetic Variation Change

The Magnetic Variation (MV) data for the airport(s) and/or facility(s) listed under the 'Airport/Facility" column will be revised effective concurrent with the publication of the procedure(s) listed below.

RNAV (GPS) - A, ORIG
RNAV (GPS) - B, ORIG

Estimated Chart Date: 09/20/2012

Runway Numbers are not affected.

Please publish these changes in the National Flight Data Digest.

FLORIDA

Location	Name	Airport /Facility	Identifier	Assigned Magnetic Variation Value	Epoch Year
Apopka	Orlando Apopka	Airport	KX04 / X04	Old 3 ° West New 6 ° West	2015

If you have any questions please notify Darryel Adams, darryel.d.adams@faa.gov (301) 427-4824

CONCURRENCES
ROUTING SYMBOL AJV-34 SBaker
INITIALS/SIG
DATE
ROUTING SYMBOL AJV-352 DSmith
INITIALS/SIG
DATE
ROUTING SYMBOL AJV-352 DAdams
INITIALS/SIG
DATE
ROUTING SYMBOL AJV-341 JAlfonso
INITIALS/SIG
DATE
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INITIALS/SIG
DATE

cc: ATL-FPT, AVJ-3rf
AJV-352; DAdams :sbj::x7537:04/24/2012 :U:\AVN100\100Public\MAGVAR\MAGVAR Letters 2012\MV Change Request for Apopka, FL (KX04) 4-24-12
Requestor:DPowell, AJW-3762: KMurphy