Flight Procedure Tracking Form	Action: FLIGHT CHECK	Task Type: IAP	Date Open: 12/29/2011	Task #: 2008041414764716004	Request #: 20080414147647
Procedure: RNAV (GPS) RWY 27 R AMDT 2		Airport ID: KSFB	Airport: ORLANDO SANFORD INTL		Reimbursable #:
City: ORLANDO	ST: FL	GPS #:		Estimated Chart Date: 09/20/2012	FICO #:
Fac ID:	Fac. Type: LPV		Specialist: KELLY DEAN		

LPV

Procedure Review

	Rec'd	Rel'd	Full Name	Comments
Lead:	12/29/2011	05/14/2012	DONALD SMITH	
QA:	05/14/2012	05/14/2012	STEVEN SZUKALA	
Liaison:	05/14/2012		Alfonso	HARD DATE

P1

Procedure Comments:

Remark Type: INFORMATION

pg 2 of 4

ORLANDO, FL ORLANDO SANFORD INTL (KSFB) RNAV (GPS) RWY 27R, AMDT 2 (LPV) ENROUTE-NO HARD DATE: 9.20.12

ATTACHED FORMS: 8260-3; 8260-10; 8260-9; 8260-2(S): GACNO, REV 2; PESIY-INT, ORIG; SMYRA-INT, REV 14; UGMAH-INT, REV 4; UTIMY-INT, REV 3; UXFIM-INT, REV 3; VOFOS, REV 2.

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

WAAS CH 63209 W27A	APP CRS 275°	Rwy ldg 9000 THRE 36 Apt Elev 55

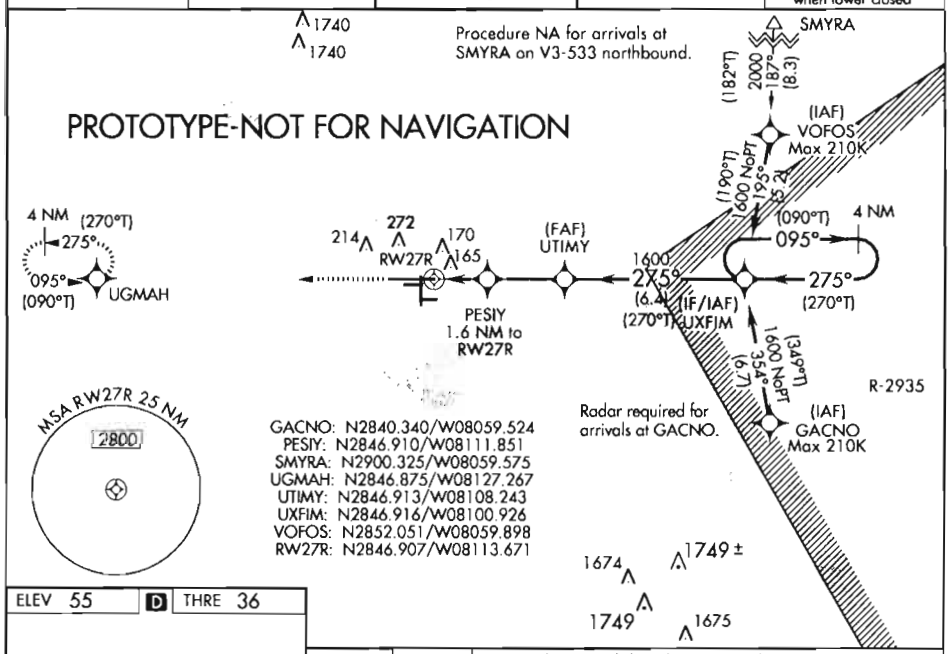
RNAV (GPS) RWY 27R
ORLANDO SANFORD INTL (SFB)

When VGSI inop, Circling Rwy 27C NA at night. For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -15°C (5°F) or above 43°C (110°F). DME/DME RNP-0.3 NA.
When local altimeter setting not received, use Executive altimeter setting and increase LPV DA to 279, LNAV/VNAV DA to 488, and all MDA 60 feet; increase LNAV/VNAV all Cats and LNAV Cats C/D visibility ¼ mile. Baro-VNAV and VDP NA when using Executive altimeter setting. For inoperative MALSR, increase LPV all Cats visibility to ¾ mile, LNAV/VNAV all Cats visibility to 1⅜ mile, LNAV Cats A/B visibility to 1 mile, and LNAV Cats C/D visibility to 1¼ mile.

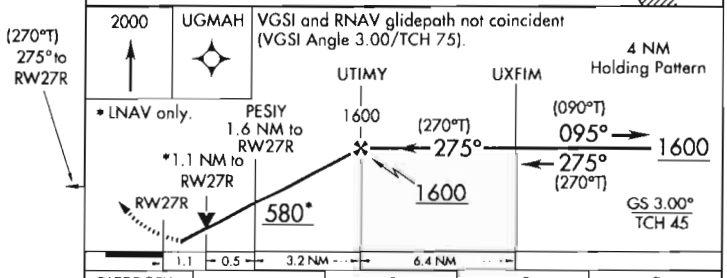
MALSR

MISSED APPROACH: Climb to 2000 direct UGMAH and hold.

ATIS	ORLANDO APP CON	SANFORD TOWER*	GND CON	CLNC DEL
125.975	121.1 351.9	120.3(CTAF) 381.65	121.35 381.65	123.975 *121.35 *when tower closed

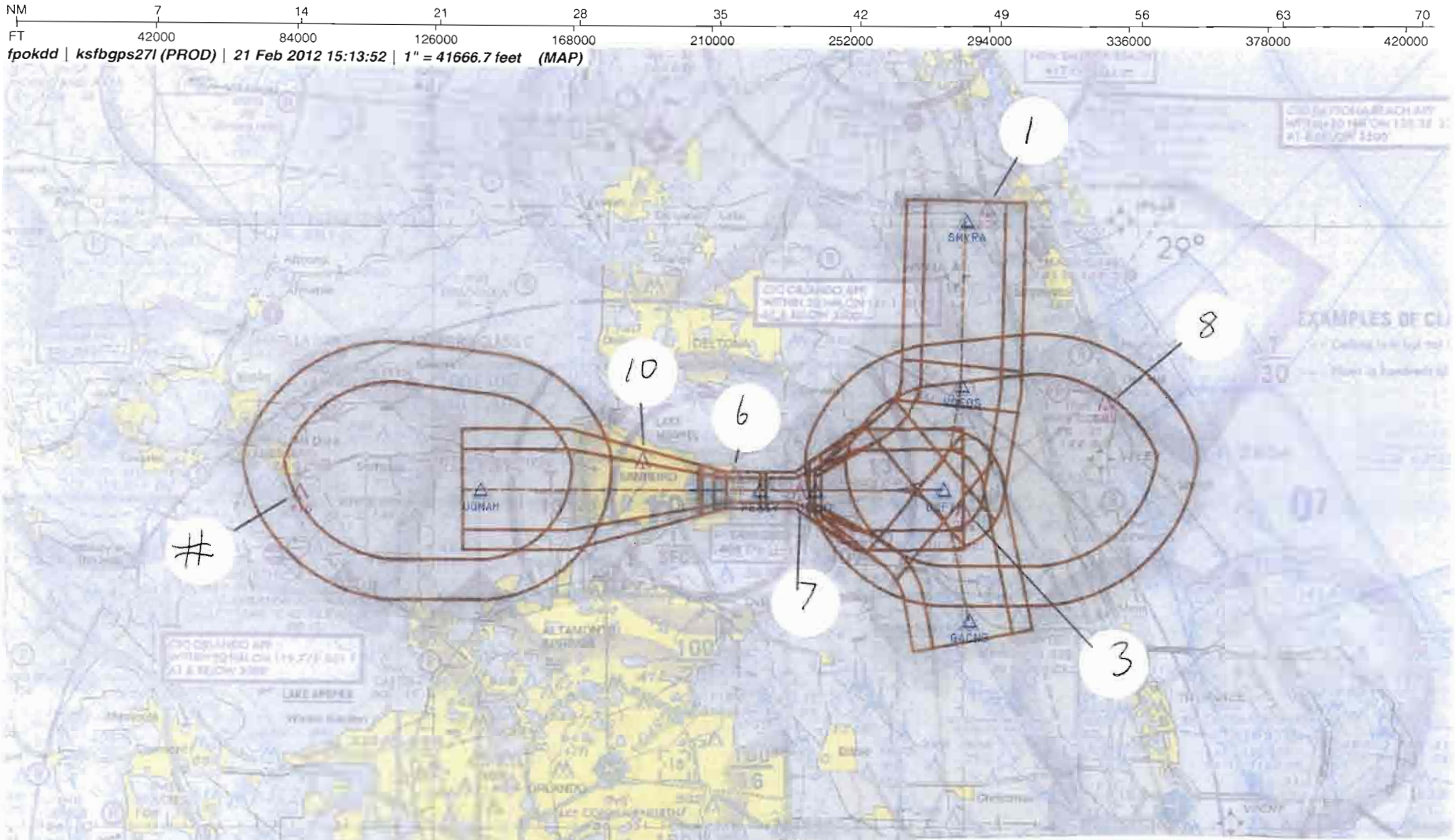


ELEV 55 D THRE 36

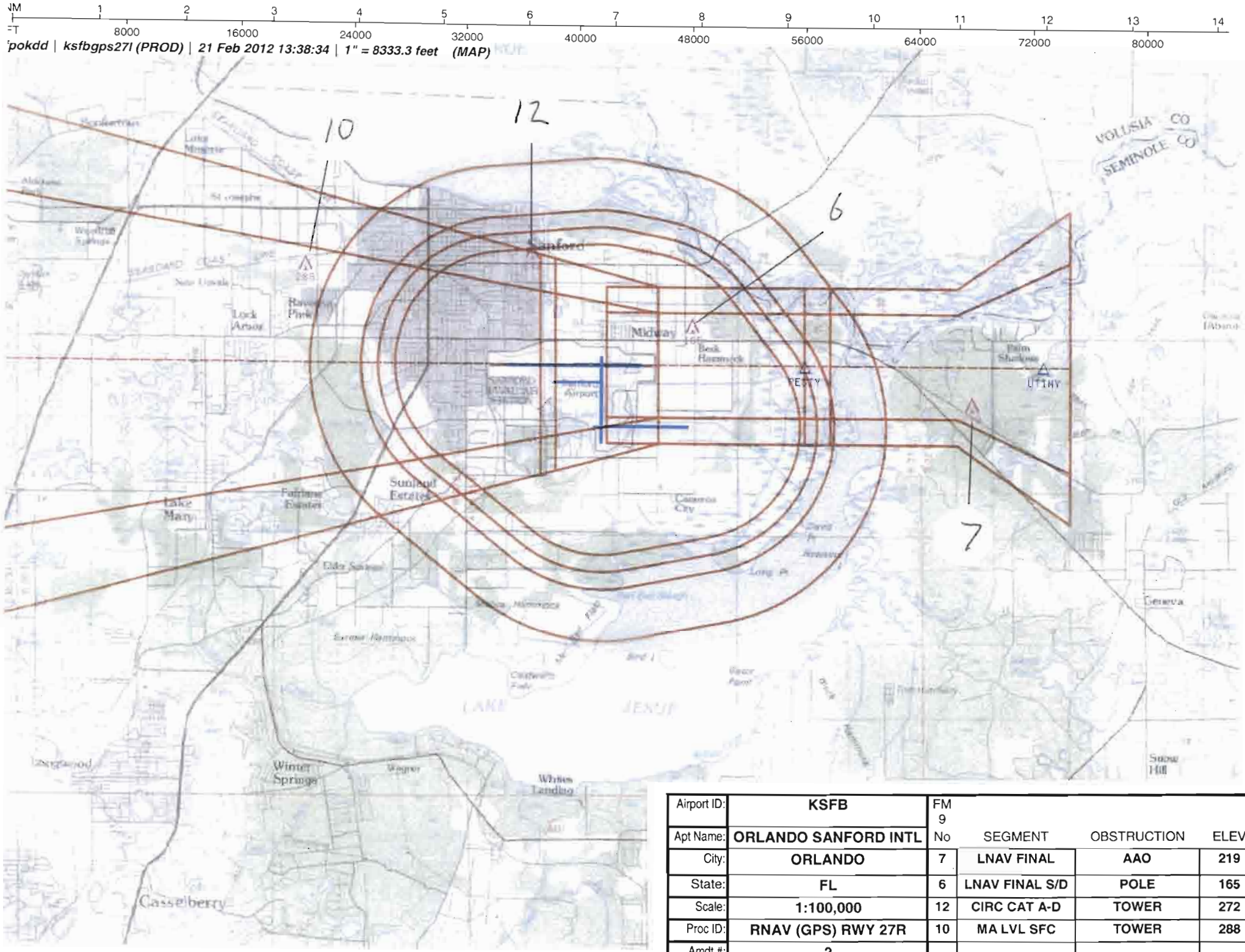


CATEGORY	A	B	C	D
LPV DA	236-½ 200 (200-½)			
LNAV/VNAV DA	445-⅞ 409 (400-⅞)			
LNAV MDA	420-½ 384 (400-½)		420-⅝ 384 (400-⅝)	
CIRCLING	580-1 525 (600-1)		580-1½ 525 (600-1½)	620-2 565 (600-2)

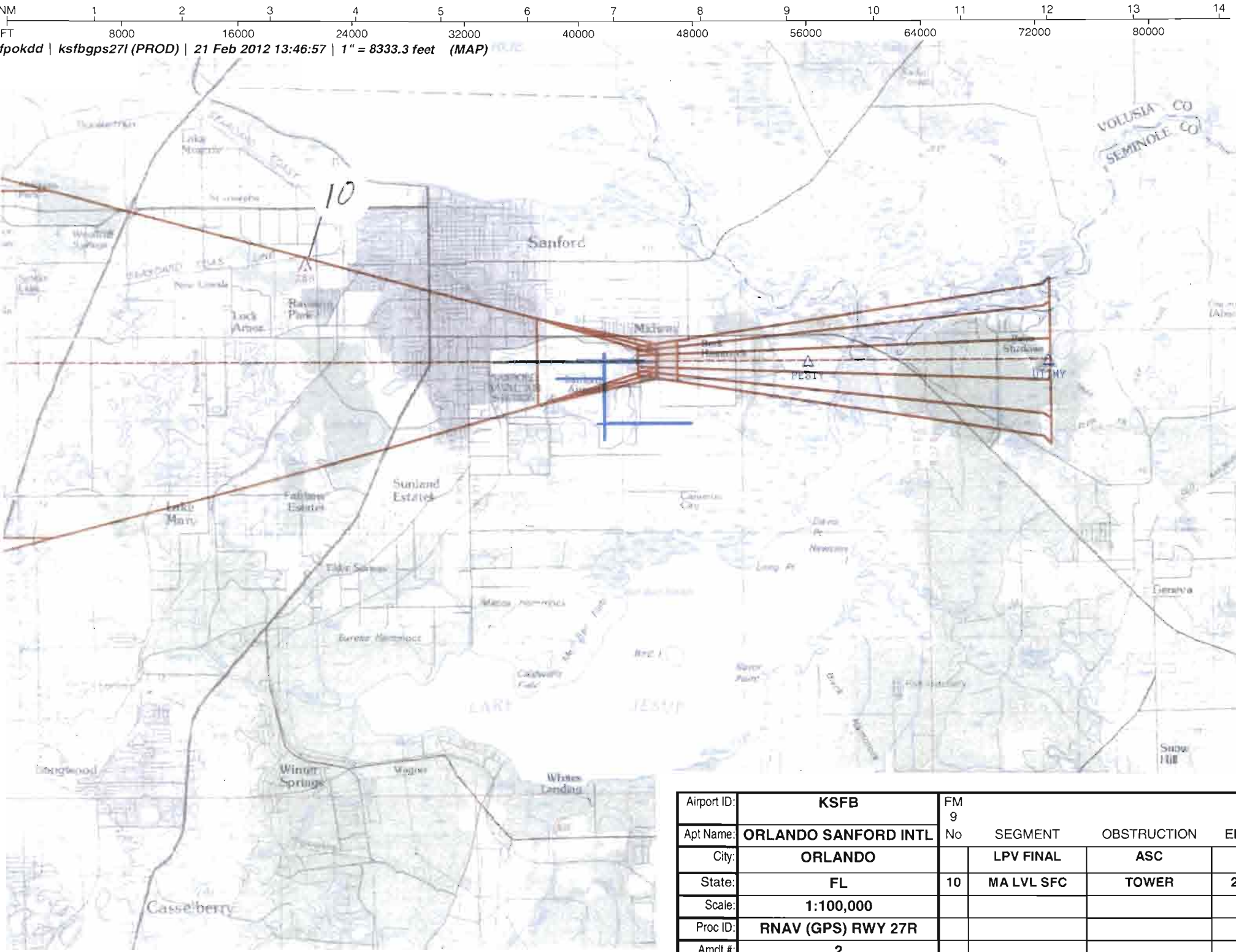
MIRL Rwy 18-36
MIRL Rwys 9C-27C
HIRL Rwys 9L-27R and 9R-27L
REIL Rwys 9C, 18, 27L and 36



Airport ID:	KSFB	FM 9 No	SEGMENT	OBSTRUCTION	ELEV
Apt Name:	ORLANDO SANFORD INTL				
City:	ORLANDO	1	FEEDER	TOWER	375
State:	FL	3	VOFOS INITIAL GACNO INITIAL INTERM	AAO	256
Scale:	1:500,000	12	HIL	TOWER	509
Proc ID:	RNAV (GPS) RWY 27R	7	LNAV FINAL	110	219
Amdt #:	2	6	LNAV FINAL S/D	POLE	165
		10	MA LVL SFC	TOWER	288
		#	MA HOLDING	TOWER	416



Airport ID:	KSFB	FM 9 No	SEGMENT	OBSTRUCTION	ELEV
Apt Name:	ORLANDO SANFORD INTL				
City:	ORLANDO	7	LNAV FINAL	AAO	219
State:	FL	6	LNAV FINAL S/D	POLE	165
Scale:	1:100,000	12	CIRC CAT A-D	TOWER	272
Proc ID:	RNAV (GPS) RWY 27R	10	MA LVL SFC	TOWER	288
Amdt #:	2				

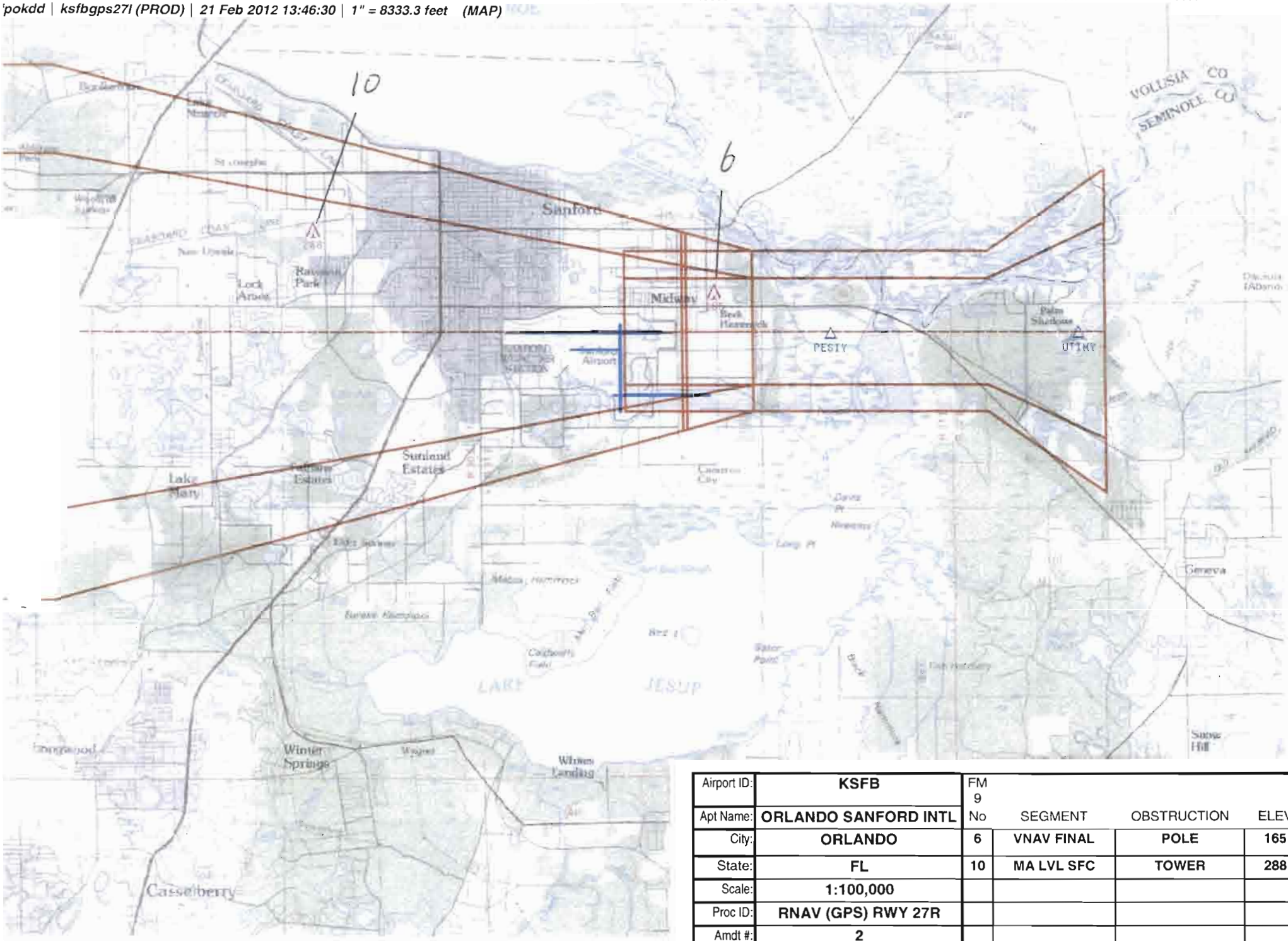


Airport ID:	KSFB	FM 9			
Apt Name:	ORLANDO SANFORD INTL	No	SEGMENT	OBSTRUCTION	ELEV
City:	ORLANDO		LPV FINAL	ASC	
State:	FL	10	MA LVL SFC	TOWER	288
Scale:	1:100,000				
Proc ID:	RNAV (GPS) RWY 27R				
Amdt #:	2				

NM 1 2 3 4 5 6 7 8 9 10 11 12 13 14

FT 8000 16000 24000 32000 40000 48000 56000 64000 72000 80000

pokdd | ksfbgps27l (PROD) | 21 Feb 2012 13:46:30 | 1" = 8333.3 feet (MAP)



Airport ID:	KSFB	FM 9			
Apt Name:	ORLANDO SANFORD INTL	No	SEGMENT	OBSTRUCTION	ELEV
City:	ORLANDO	6	VNAV FINAL	POLE	165
State:	FL	10	MA LVL SFC	TOWER	288
Scale:	1:100,000				
Proc ID:	RNAV (GPS) RWY 27R				
Amdt #:	2				

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
SMYRA	VOFOS (FB)	186.97 / 8.26	2000
VOFOS (IAF)	UXFIM (NOPT) (FB)	195.00 / 5.20	1600
GACNO (IAF)	UXFIM (NOPT) (FB)	354.37 / 6.67	1600
UXFIM (IF/IAF)	UTIMY (FB)	275.00 / 6.43	1600
UTIMY (FAF)	PESIY/1.60 NM TO RW27R (FB)	274.94 / 3.17	
PESIY/1.60 NM TO RW27R	RW27R (MAP) (FO)	274.91 / 1.60	
(SEE FORM 8260-10)			

MISSED APPROACH

LPV: DA
LNAV/VNAV: DA
LNAV: RW27R

CLIMB TO 2000 DIRECT UGMAH AND HOLD.

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. HOLD E UXFIM, RT, 275.00 INBOUND, 1600 FT. IN LIEU OF PT (IAF)
3. FAC: 274.94 FAF: UTIMY DIST FAF TO MAP: 4.77 THLD: 4.77
4. MIN. ALT: UXFIM 1600, UTIMY 1600, PESIY/1.60 NM TO RW27R 580*
5. DIST TO THLD FROM OM: ____ MM: ____ IM: ____ 150 HAT: ____ 100 HAT: ____ GS ANT: ____
6. MIN GS INCPT: 1600 GS ALT AT: UTIMY 1600 OM: ____ MM: ____ IM: ____
7. GS ANGLE: 3.00 TCH: 45.0 34:1 IS CLEAR
8. MSA FROM: RW27R 2800

ADDITIONAL FLIGHT DATA:
HOLD W, LT, 094.79 INBOUND.
CHART FAS OBST: 165 POLE 284717N/0811253W
CHART R-2935, R-2934.
DISTANCE TO THLD FROM 200 HATH: 0.49 NM.
CHART VDP AT 1.06 MILES TO RW27R*
*LNAV ONLY.
WAAS CHANNEL # 63209
REFERENCE PATH ID: W27A
LTP HAE: -16.8 M

MAG VAR: 5W EPOCH YEAR: 2000

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
LPV DA	236	1/2	200	236	1/2	200	236	1/2	200	236	1/2	200			
LNAV/VNAV DA	445	7/8	409	445	7/8	409	445	7/8	409	445	7/8	409			
LNAV MDA	420	1/2	384	420	1/2	384	420	5/8	384	420	5/8	384			
CIRCLING	580	1	525	580	1	525	580	1 1/2	525	620	2	565			

NOTES:
CHART NOTE: WHEN VGSI INOP, CIRCLING RWY 27C NA AT NIGHT.
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -15C (5F) OR ABOVE 43C (110F).
CHART NOTE: DME/DME RNP-0.3 NA.
CHART PLANVIEW NOTE AT VOFOS : MAX 210 KIAS.
(SEE FORM 8260-10)

@ NA WHEN LOCAL WEATHER NOT AVAILABLE.

QUALITY 2 CHECKED

CITY AND STATE	ELEVATION: 55 THRE: 36	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
ORLANDO, FL	AIRPORT NAME: ORLANDO SANFORD INTL	RNAV	RNAV (GPS) RWY 27R, AMDT 2	AMDT: 1C
				DATED 01/12/2012

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, MCO APP CON, SFB ATCT, AIRFIELD MANAGER

FLIGHT CHECKED BY		
NAME:	FIFO	DATE:
DEVELOPED BY		
NAME: KELLY DEAN	FIFO AJV-352	DATE: 02/03/2012
APPROVED BY		
NAME: DARRYEL ADAMS MANAGER	FIFO AJV-352	DATE:

CHANGES:

1. SMYRA TO VOFOS COURSE/DISTANCE CHANGED FROM 193.06/8.46 TO 186.97/8.26.
2. VOFOS TO UXFIM COURSE/DISTANCE CHANGED FROM 185/5 TO 195/5.2.
3. GACNO TO UXFIM COURSE/DISTANCE CHANGED FROM 5/5.7 TO 354/6.7.
4. UXFIM TO UTIMY DISTANCE CHANGED FROM 6.49 TO 6.43.
5. ADDED STEPDOWN FIX (PESIY).
6. CHARTED R-2935.
7. VDP CHANGED FROM 0.97 TO 1.06.
8. LPV DA ALL CATS CHANGED FROM 250 TO 236.
9. LNAV/VNAV DA ALL CATS CHANGED FROM 446 TO 445.
10. LNAV/VNAV VIS ALL CATS CHANGED FROM 1 TO 7/8.
11. LNAV HAT ALL CATS CHANGED FROM 370 TO 384.
12. LNAV VIS CATS C/D CHANGED FROM 1/2 TO 5/8.
13. BARO-VNAV UNCOMPENSATED NOTE MAX TEMP CHANGED FROM 48C (118F) TO 43C (110F).
14. ADDED BARO-VNAV NA TO VDP NA WHEN USING EXECUTIVE ALTIMETER SETTING NOTE.

SEE 8260-10

REASONS:

1., 2. VOFOS MOVED DUE TO .54A CRITERIA WHILE KEEPING SEGMENT LENGTH AT MINIMUM DISTANCE PER ATC REQUEST.
3. GACNO MOVED DUE TO .54A CRITERIA WHILE KEEPING SEGMENT LENGTH AT MINIMUM DISTANCE PER ATC REQUEST.
4. PFAF MOVE TO BARO-VNAV PFAF LOCATION.
5. MAINTAIN MINIMUMS AFTER ADDING AAO.
6. PROXIMITY TO PROCEDURE.
7. TDZE/THLD ELEV CHANGES AND HATH.
8. UTILIZED THRE INSTEAD OF TDZE.
9. CONTROLLING OBSTACLE.
10. TERPS CHANGE 20 VIS TABLE APPLIED.
11. CONTROLLING OBSTACLE.
12. TERPS CHANGE 20 VIS TABLE APPLIED.
13. IPDS CALCULATION.
14. BARO-VNAV NOT USABLE WITH ALTERNATE ALTIMETER SETTING.
15. FPT REQUEST TO KEEP SEGMENT AT MINIMUM LENGTH.

SEE 8260-10

QUALITY 2 CHECKED

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TERMINAL ROUTES, (CONT.):

FROM	TO	COURSE AND DISTANCE	ALTITUDE
RW27R (MAP)	236 MSL	274.91	
236 MSL	UGMAH (FO)		2000

NOTES, (CONT.):
CHART PLANVIEW NOTE AT GACNO : MAX 210 KIAS.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT SMYRA ON V3-533 NORTHBOUND.
CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT.
*LNAV ONLY
CHART PLANVIEW NOTE: RADAR REQUIRED FOR ARRIVALS AT GACNO.
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE EXECUTIVE ALTIMETER SETTING AND INCREASE LPV DA TO 279, LNAV/VNAV DA TO 488, AND ALL MDA 60 FEET; INCREASE LNAV/VNAV ALL CATS AND LNAV CATS C/D VISIBILITY 1/4 MILE.
CHART NOTE: BARO-VNAV AND VDP NA WHEN USING EXECUTIVE ALTIMETER SETTING.
CHART NOTE: FOR INOPERATIVE MALSR, INCREASE LPV ALL CATS VISIBILITY TO 3/4 MILE, LNAV/VNAV ALL CATS VISIBILITY TO 1 3/8 MILE, LNAV CATS A/B VISIBILITY TO 1 MILE, AND LNAV CATS C/D VISIBILITY TO 1 1/4 MILE.

QUALITY CHECKED 2

CITY AND STATE	ELEVATION: 55 THRE: 36	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
ORLANDO, FL	AIRPORT NAME: ORLANDO SANFORD INTL	RNAV	RNAV (GPS) RWY 27R, AMDT 2	AMDT: 1C
				DATED: 01/12/2012

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:

CHANGES CONT.
15. ADDED MAX AIRSPEED NOTE (210 MAX) AT IAF FIX. 16. UPDATED BACKUP ALTIMETER SETTING NOTE. 17. ADDED INOPERATIVE MALSR NOTE.

REASONS:

REASONS CONT.
16. CORRESPOND WITH NEW MINIMUMS.
17. NONSTANDARD ADJUSTMENTS.

QUALITY CHECKED 2

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FAS DATA BLOCK INFORMATION

DATA FIELD	DATA
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KSFB
RUNWAY	RW27R
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W27A
LTP/FTP LATITUDE	284654.4080N
LTP/FTP LONGITUDE	0811340.2795W
LTP/FTP ELLIPSOIDAL HEIGHT	-00168
FPAP LATITUDE	284654.2400N
FPAP LONGITUDE	0811521.6800W
THRESHOLD CROSSING HEIGHT (TCH)	00045.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0008
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	35.0
CRC REMAINDER	E168B3EC

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K7
LTP ORTHOMETRIC HEIGHT	+00110
FPAP ORTHOMETRIC HEIGHT	+00110

QUALITY 2 CHECKED

CITY AND STATE	ELEVATION: 55 THRE: 36	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
ORLANDO, FL	AIRPORT NAME: ORLANDO SANFORD INTL	RNAV	RNAV (GPS) RWY 27R, AMDT 2	AMDT: 1C
				DATED: 01/12/2012

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:

QUALITY 2 CHECKED

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ARINC PACKET - 424-18 - RNAV (GPS)

```
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WP      123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
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        SUSAEAENRT   GACNO K70    W     N28402039W080593144                      W0062     NAR           GACNO
        SUSAEAENRT   PESIY K70    C     N28465457W081115103                      W0060     NAR           PESIY
        SUSAEAENRT   SMYRA K70    C   L N29001948W080593451                      W0062     NAR           SMYRA
        SUSAEAENRT   UGMAH K70    C     N28465249W081271602                      W0059     NAR           UGMAH
        SUSAEAENRT   UTIMY K70    C     N28465480W081081460                      W0061     NAR           UTIMY
        SUSAEAENRT   UXFIM K70    C     N28465498W081005554                      W0062     NAR           UXFIM
        SUSAEAENRT   VOFOS K70    W     N28520304W080595389                      W0062     NAR           VOFOS

                 1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
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                 1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KSFBK7FR27R  AGACNO 010GACNOK7EA0E  A    IF                                          18000210             A-JS
        SUSAP KSFBK7FR27R  AGACNO 020UXFIMK7EA0EE B 010TF                    35440067    + 01600                         A JS
        SUSAP KSFBK7FR27R  ASMYRA 010SMYRAK7EA0E       IF                                          18000                A JS
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        SUSAP KSFBK7FR27R  AUXFIM 010UXFIMK7EA0EE AR   HF                    27500040    + 01600     18000               A JS
        SUSAP KSFBK7FR27R  R      010UXFIMK7EA0E  I    IF                                + 01600     18000               A JS
        SUSAP KSFBK7FR27R  R      020UTIMYK7EA1E  F 051TF                    27500064    + 01600                 RW27R K7PGA JS
        SUSAP KSFBK7FR27R  R      020UTIMYK7EA2WALPV       ALNAV/VNAV ALNAV                                                JS
        SUSAP KSFBK7FR27R  R      021PESIYK7EA0E S  031TF                    27490032    V 0058000591        -300         A JS
        SUSAP KSFBK7FR27R  R      030RW27RK7PG0GY M 031TF                    27490016      00081             -300         A JS
        SUSAP KSFBK7FR27R  R      040         0  M     CA                    2749        + 00236                         A JS
        SUSAP KSFBK7FR27R  R      050UGMAHK7EA0EY      DF                                + 02000                         A JS
        SUSAP KSFBK7FR27R  R      060UGMAHK7EA0EE  L   HM                    09480040    + 02000                         A 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
PP      123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
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        SUSAP KSFBK7PR27R  RW27R002E      +00110+00110LPV       63209
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QUALITY CHECKED

CITY AND STATE	ELEVATION: 55 THRE: 36	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
ORLANDO, FL	AIRPORT NAME: ORLANDO SANFORD INTL	RNAV	RNAV (GPS) RWY 27R, AMDT 2	AMDT: 1C
				DATED: 01/12/2012

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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```
                 1         2         3         4         5         6         7         8         9         0         1         2         3
MSA     123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KSFBK7SRW27RK7PG                0   18018002825                                                                        M
```

QUALITY CHECKED

CITY AND STATE	ELEVATION: 55 THRE: 36	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
ORLANDO, FL	AIRPORT NAME: ORLANDO SANFORD INTL	RNAV	RNAV (GPS) RWY 27R, AMDT 2	AMDT: 1C
				DATED: 01/12/2012

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:

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 SUMMARY - 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
	GACNO	GACNO	010	IAF	IF		FB					AB 210
	GACNO	UXFIM	020		TF		FB	1.0	354.4(349.4T)	006.7	AA 01600	
	SMYRA	SMYRA	010		IF		FB					
	SMYRA	VOFOS	020	IAF	TF		FB	2.0	187.0(182.0T)	008.3	AA 02000	AB 210
	SMYRA	UXFIM	030		TF		FB	1.0	195.0(190.0T)	005.2	AA 01600	
	UXFIM	UXFIM	010	IAF	HF	R	FO		275.0(270.0T)	004.0	AA 01600	
		UXFIM	010	FACF	IF		FB				AA 01600	
		UTIMY	020	FAF	TF		FB	0.5	275.0(270.0T)	006.4	AA 01600	
		PESIY	021	SDF	TF		FB	0.3	274.9(269.9T)	003.2	AA 00580 GS 00591	
		RW27R	030	MAP	TF		FO	0.3	274.9(269.9T)	001.6	AT 00081	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		274.9(269.9T)		AA 00236	
	UGMAH	050		DF		FO				AA 02000	
	UGMAH	060		HM	L	FO		094.8(089.8T)	004.0	AA 02000	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	GACNO	N284020.39	W0805931.44	N2840.340	W08059.524
	PESIY	N284654.57	W0811151.03	N2846.910	W08111.851
	SMYRA	N290019.48	W0805934.51	N2900.325	W08059.575
	UGMAH	N284652.49	W0812716.02	N2846.875	W08127.267
	UTIMY	N284654.80	W0810814.60	N2846.913	W08108.243
	UXFIM	N284654.98	W0810055.54	N2846.916	W08100.926
	VOFOS	N285203.04	W0805953.89	N2852.051	W08059.898
	RW27R	N284654.41	W0811340.28	N2846.907	W08113.671

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW27R	00036	45

QUALITY CHECKED

CITY AND STATE	ELEVATION: 55 THRE: 36	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
ORLANDO, FL	AIRPORT NAME: ORLANDO SANFORD INTL	RNAV	RNAV (GPS) RWY 27R, AMDT 2	AMDT: 1C
				DATED: 01/12/2012

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.
FEEDER	SMYRA	VOFOS	1. TOWER (12-002514)	290033.00N/0805826.00W	375 (5D)	1000	AT625	2000
			2. TERRAIN	285457.00N/0805736.00W	56 (100)		AS1500	1600
INITIAL	VOFOS	UXFIM	3. AAO	284530.00N/0805951.00W	256 (4E)	1000		1300
			4. TERRAIN	284530.00N/0805951.00W	56 (100)		AS1500	1600
INITIAL	GACNO	UXFIM	3. AAO	284530.00N/0805951.00W	256 (4E)	1000		1300
			4. TERRAIN	284530.00N/0805951.00W	56 (100)		AS1500	1600
INTERMEDIATE	UXFIM (IF/IAF)	UTIMY	3. AAO	284530.00N/0805951.00W	256 (4E)	500	AC98	900
			5. TERRAIN	284533.00N/0810700.00W	54 (100)		AS1500	1600
FINAL: LPV	UTIMY	RW27R				ASC		236/200
FINAL: LNAV/VNAV	UXFIM	RW27R	6. POLE (12-020459)	284716.85N/0811252.76W	165 (1A)	23.44:1		445/409
FINAL: LNAV	UTIMY	PESIY/1.60 NM TO RW27R	7. AAO	284623.82N/0810912.58W	219 (2C)	250	RA43 DG68	580
FINAL: LNAV STEPDOWN	PESIY/1.60 NM TO RW27R	RW27R	6. POLE (12-020459)	284716.85N/0811252.76W	165 (1A)	250		420
2. HOLD-IN-LIEU-OF-PT	UXFIM	P-4	8. TOWER (12-002595)	285052.70N/0805149.50W	509 (5D)	1000		1600
			9. TERRAIN	284809.00N/0805751.00W	60 (100)		AS1500	1600
3. MISSED APPROACH — MAP:	DA / DA / RW27R	UGMAH				ASC		2000
			10. TOWER (12-003387)	284757.85N/0811801.61W	288 (2C)	1000		1300
ELEV:	71/284/320		11. TERRAIN	284851.00N/0812800.00W	64 (100)		AS1500	1600

4. CIRCLING AREA	DISTANCE	HT. ABV. ARPT. REQUIRED	HT. ABV. ARPT. ACTUAL							
CATEGORY A	1.3 NM	350	525	12. TOWER (12-000344)	284808.00N/0811500.00W	272 (1A)	300		580
CATEGORY B	1.5 NM	450	525	12. TOWER (12-000344)	284808.00N/0811500.00W	272 (1A)	300		580
CATEGORY C	1.7 NM	450	525	12. TOWER (12-000344)	284808.00N/0811500.00W	272 (1A)	300		580
CATEGORY D	2.3 NM	550	565	12. TOWER (12-000344)	284808.00N/0811500.00W	272 (1A)	300	HAA	620
CATEGORY E	4.5 NM	550							

5. MINIMUM SAFE ALTITUDES — PRIMARY NAVAID: RW27R

SECTOR	OBSTRUCTION	BRG/DIST	ELEVATION (MSL)	M S A	SECTOR	OBSTRUCTION	BRG/DIST	ELEVATION (MSL)	M S A
360-360	TWR (12-004309)	144/ 13.6	1749 (4D)	2800					

QUALITY CHECKED

CITY AND STATE	ELEVATION: 55 / AIRPORT NAME:	FACILITY	PROCEDURE AND AMENDMENT NO:	REGION
ORLANDO, FL	ORLANDO SANFORD INTL	RNAV	RNAV (GPS) RWY 27R, AMDT 2	ASO

PART B - SUPPLEMENTAL DATA

1. COMMUNICATIONS WITH:	2. WEATHER SERVICE		3. ALTIMETER SETTING
ZJX ARTCC MCO APP CON SFB TOWER	N W S F A A A / C	OTHER: ASOS	SOURCE: KSFB / KORL DISTANCE: 0 / 14.76 HOURS REMOTE OPERATION: 0 / 24
SATISFACTORY ON: X V H F X U H F H F	LOCATION: KSFB		ADJUSTMENT: 0 / 43

4. MONITOR STATUS	PRIMARY NAVAID:	
	MONITOR POINT:	
	HRS OPTN:	CAT 1
		CAT 3
5. APPROACH & RUNWAY LIGHTING		ALS
		(S) SALS
	X	MALSR 09L, 09R (PCL), 27R
	X	HIRL 09L (PCL), 27L (PCL), 09R (PCL), 27R (PCL)
	X	MIRL 18 (PCL), 36 (PCL), 27C (PCL), 09C (PCL)
	X	REIL 18, 27L, 36, 09R, 09C
		TDZ
		C/LINE
	X	OTHER (SPECIFY) PAPI-2L 27C (PCL), 09C (PCL) PAPI-4L 09L (PCL), 18 (PCL), 27L (PCL), 36 (PCL), 09R (PCL)
6. RUNWAY MARKINGS	BASIC	BSC-G 27L, 27C, 09C; -P 18
	ALL WEATHER	PIR-G 09L, 09R, 27R
	INSTRUMENT	
7. RUNWAY VISUAL RANGE	APPROACH	
	MIDFIELD	
	ROLL OUT	
8. GLIDE PATH	GP ANGLE: 3.00	ELEV RWY THRESHOLD: 36.3
	DISTANCE FROM RWY:	ELEV GP ANTENNA:
		THRESHOLD CROSSING HEIGHT: 45.0
9. FINAL APPROACH COURSE AIMING	X	RUNWAY THRESHOLD — FT. FROM THRESHOLD
	X	ON CENTERLINE — FT. FROM CENTERLINE

10. WAIVERS: NONE

PART D - PREPARED BY: KELLY DEAN	DATE: 02/03/2012
TITLE: AERONAUTICAL INFORMATION SPECIALIST	OFFICE: AJV-352

PART C - REMARKS:

THRESHOLD DISPLACED 599 FEET.

PRECIPITOUS TERRAIN EVALUATION COMPLETED.

VGSI DATA: 3.00/75

SEE ATTACHED AIRSPACE LETTER.

ISA DEVIATION = -30 (NO HISTORICAL DATA AVAILABLE)

TAA NOT DEVELOPED PER ATC.

MSA OBS (12-004309) 4D AC FROM 1999-ASO-2313-OE.

RASS (PRESSURE PATTERNS THE SAME)
KSFB 54.8, KORL 112.8 MSL
RA = 42.07
KSFB AND KORL ARE ON SERVICE A.

RWY 27C (20:1) PENETRATIONS:
61 RD (KSFBT0069) 284641.75N/0811401.13W (12.85)
60 RD (KSFBT0068) 284641.77N/0811400.80W (10.38)
60 RD (KSFBT0066) 284641.79N/0811400.21W (7.76)
60 RD (KSFBT0061) 284641.79N/0811358.92W (2.02)

POLICY APPROVED USE OF AFS-420 MEMOS:
HARMONIZED FLIGHT INSTRUMENT PROCEDURE DESIGN CALCULATIONS.
REVISED PERFORMANCE BASED NAVIGATION (PBN) FLY-BY (FB) / RADIUS-TO-FIX (RF) TURN MAXIMUM BANK ANGLE LIMITS; OMNI-DIRECTIONAL TAILWIND REQUIREMENTS; AND MINIMUM INITIAL DEPARTURE LEG SEGMENT LENGTH DESIGN CRITERIA.

25 DEGREE ANGLE OF BANK UTILIZED ON PROCEDURE AT IF/IAF.
25 DEGREE ANGLE OF BANK UTILIZED WHEN EVALUATING 90 DEGREE TURN AT GACNO (IAF) FOR RADAR VECTORING.

VEGETATION HEIGHT = 100FT VICINITY OF AIRPORT.

QUALITY 2 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.
3. MISSED APPROACH	MAP:							
	ELEV:							

4. CIRCLING AREA	DISTANCE	HT. ABV. ARPT.								
CATEGORY A	1.3 NM	REQUIRED	350	ACTUAL						
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

2 CHECKED

CITY AND STATE	ELEVATION: 55 AIRPORT NAME:	FACILITY	PROCEDURE AND AMENDMENT NO:	REGION
ORLANDO, FL	ORLANDO SANFORD INTL	RNAV	RNAV (GPS) RWY 27R, AMDT 2	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
	X	**OTHER (SPECIFY)** **PAPI-4L 27R (PCL)**

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:

QUALITY 2 CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: GACNO **STATE:** FL **COUNTRY:** US

LATITUDE/LONGITUDE: 284020.39N/0805931.44W **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 27L			KSFB	ORLANDO	FL (US)
IAP	RNAV (GPS) RWY 27R			KSFB	ORLANDO	FL (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 2 **DATE OF REVISION:** 09/20/2012

REASON FOR REVISION:
FIX MOVED 1.50NM SE; FIX NAME RETAINED PER ATC REQUEST FOR OPERATIONAL ADVANTAGE.
DELETED FAC 1.
UPDATED FIX USE

DEVELOPED BY: **DATE:** 02/02/2012 **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:

QUALITY 2 CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: PESIY **STATE:** FL **COUNTRY:** US

LATITUDE/LONGITUDE: 284654.57N/0811151.03W **TYPE:** WP, 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	ORLANDO	I-FNU	LOC/DME		094.90	089.90	3.28	3.27		380	4500

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	ILS OR LOC RWY 27R	1		KSFB	ORLANDO	FL (US)
IAP	RNAV (GPS) RWY 27R			KSFB	ORLANDO	FL (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

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

DEVELOPED BY: **DATE:** 02/02/2012 **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, SFB ATCT
OTHER:

QUALITY 2 CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: SMYRA **STATE:** FL **COUNTRY:** US

LATITUDE/LONGITUDE: 290019.48N/0805934.51W **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	ORMOND BEACH	OMN	VORTAC	H	160.53	160.53	18.90	18.90		1600	17500
2	ORLANDO	ORL	VORTAC	H	033.00	033.00	33.05	33.05		1600	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	S	OMN	VORTAC	160.53	340.53	L	1		1600	14000	5	12
2	S		WP	160.53	340.53	L		4	2000	14000	4	11
3	SW	ORL	VORTAC	033.00	033.00	R	1		2000	6000	5	7

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	TOWER (12-002514)	290033.00N/0805826.00W	375	5D
2	200	TOWER (12-002514)	290033.00N/0805826.00W	375	5D
3	200	TOWER (12-002514)	290033.00N/0805826.00W	375	5D

REASON FOR NONSTANDARD HOLDING:
PAT 1 AVOID W-158

HOLDING RESTRICTIONS:
HOLDING LIMITED TO ESTABLISHED PATTERNS.

REMARKS:
ORMOND BEACH (FAC 1) AND ORLANDO (FAC 2) USED TO ESTABLISH FIX COORDINATES
PRIOR COORDINATION REQUIRED WITH CONTROLLING AGENCY FOR HOLDING OVER R-2935 (11,000 FT AND ABOVE).
PRECIPITOUS TERRAIN EVALUATION COMPLETED.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
EN ROUTE	V3-V533.	1, 2				(US)
IAP	SPECIAL RNAV (GPS) RWY 5		2	K7FL6	DAYTONA BEACH	FL (US)
IAP	ILS OR LOC RWY 7L	1, 2	3	KDAB	DAYTONA BEACH	FL (US)
IAP	VOR RWY 16	1, 2	1	KDAB	DAYTONA BEACH	FL (US)
IAP	RNAV (GPS) RWY 30			KDED	DELAND	FL (US)
IAP	ILS OR LOC RWY 9L	1, 2	3	KSFB	ORLANDO	FL (US)
IAP	RNAV (GPS) RWY 18			KSFB	ORLANDO	FL (US)
IAP	RNAV (GPS) RWY 27L			KSFB	ORLANDO	FL (US)
IAP	RNAV (GPS) RWY 27R			KSFB	ORLANDO	FL (US)

REQUIRED CHARTING: IAP, CONTROLLER, EN ROUTE LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 14 **DATE OF REVISION:** 09/20/2012

REASON FOR REVISION:
ADDED REMARK, ORMOND BEACH (FAC 1) AND ORLANDO (FAC 2) USED TO ESTABLISH FIX COORDINATES.
UPDATED PAT 1,2,3 CONTROLLING OBSTACLE.
ADDED PRECIPITOUS TERRAIN EVALUATION COMPLETED REMARK.
UPDATED FIX USE.

DEVELOPED BY: **DATE:** 03/26/2012 **OFFICE:** AJV-352 **NAME:** DONALD SMITH (AISHAT NAUZO)

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

SIGNATURE:

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

QUALITY 2 CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: UGMAH **STATE:** FL **COUNTRY:** US

LATITUDE/LONGITUDE: 284652.49N/0812716.02W **TYPE:** WP, RADAR, INT

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	ORLANDO	I-SND	LOC		274.89	269.89		12.15		2000	4500
2	ORLANDO	ORL	VORTAC	H	336.20	336.20		15.60		2000	4500

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

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	274.79	094.79	L		4	2000	6000	4	6

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	TOWER (12-003209)	284620.24N/0813734.62W	416	1A

REASON FOR NONSTANDARD HOLDING:
PAT 1 ATC REQUEST

HOLDING RESTRICTIONS:
HOLDING LIMITED TO ESTABLISHED PATTERN.

REMARKS:
ORLANDO (FAC 2) AND ORLANDO (FAC 1) 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 9L	1, 2		KSFB	ORLANDO	FL (US)
IAP	RNAV (GPS) RWY 27R		1	KSFB	ORLANDO	FL (US)
IAP	RNAV (GPS) RWY 9L		1	KSFB	ORLANDO	FL (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 4 **DATE OF REVISION:** 09/20/2012

REASON FOR REVISION:
ADDED DIST FROM FAC VALUES TO FAC 1 AND FAC 2.
LOWERED FAC 1 AND FAC 2 MAA FROM 4800 TO 4500.
DELETED FAC 3.
UPDATED FIX USE AND REMARKS.
UPDATED HOLDING CONTROLLING OBSTACLE ALTITUDE AND AC.

DEVELOPED BY: **DATE:** 02/02/2012 **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:

QUALITY 2 CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: UTIMY **STATE:** FL **COUNTRY:** US

LATITUDE/LONGITUDE: 284654.80N/0810814.60W **TYPE:** WP, RADAR, 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	ORLANDO	I-FNU	LOC/DME		094.90	089.90	6.45	6.44	39152	1600	4500
2	ORLANDO	ORL	VORTAC	H	036.04	036.04		17.71		1600	4500

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

REMARKS:
ORLANDO (FAC 1) AND ORLANDO (FAC 2) USED TO ESTABLISH FIX COORDINATES

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	ILS OR LOC RWY 27R	1, 2		KSFB	ORLANDO	FL (US)
IAP	RNAV (GPS) RWY 27R			KSFB	ORLANDO	FL (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 3 **DATE OF REVISION:** 09/20/2012

REASON FOR REVISION:
FIX MOVED 379FT EAST.
FAC 1 DME CHANGED FROM 6.39 TO 6.45.
FAC 2 BRG CHANGED FROM 035.87 TO 36.04.
ADDED DIST FROM FAC VALUES TO FAC 1 AND FAC 2.
LOWERED FAC 1 AND 2 MAA FROM 4800 TO 4500.
DELETED FAC 3.
UPDATED FIX USE AND REMARKS.

DEVELOPED BY: **DATE:** 02/02/2012 **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: KSFB ATCT

QUALITY 2 CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: UXFIM **STATE:** FL **COUNTRY:** US

LATITUDE/LONGITUDE: 284654.98N/0810055.54W **TYPE:** WP, RADAR, 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	ORLANDO	I-FNU	LOC/DME		094.90	089.90	12.88	12.87		3000	4500
2	ORLANDO	ORL	VORTAC	H	049.60	049.60		22.12		3000	4500

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

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	E		WP	095.00	275.00	R		4	1600	6000	4	6

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	TOWER (12-002595)	285052.70N/0805149.50W	509	5D

HOLDING RESTRICTIONS:
HOLDING LIMITED TO ESTABLISHED PATTERN.

REMARKS:
ORLANDO (FAC 1) AND ORLANDO (FAC 2) USED TO ESTABLISH FIX COORDINATES
PRECIPITOUS TERRAIN EVALUATION COMPLETED.
PRIOR COORDINATION REQUIRED WITH MCO APPROACH CONTROL FOR HOLDING OVER R-2934.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	ILS OR LOC RWY 27R	1, 2		KSFB	ORLANDO	FL (US)
IAP	RNAV (GPS) RWY 27R		1	KSFB	ORLANDO	FL (US)
IAP	RNAV (GPS) RWY 9L		1	KSFB	ORLANDO	FL (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 3 **DATE OF REVISION:** 09/20/2012

REASON FOR REVISION:
DELETED FAC 3.
ADDED DIST FROM FAC VALUES TO FAC 1 AND FAC 2.
LOWERED FAC 1 AND 2 MAA FROM 4800 TO 4500.
UPDATED REMARKS AND FIX USE.

DEVELOPED BY: **DATE:** 02/02/2012 **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:

QUALITY 2

RADIO FIX AND HOLDING DATA RECORD

NAME: VOFOS **STATE:** FL **COUNTRY:** US

LATITUDE/LONGITUDE: 285203.04N/0805953.89W **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 27L			KSFB	ORLANDO	FL (US)
IAP	RNAV (GPS) RWY 27R			KSFB	ORLANDO	FL (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 2 **DATE OF REVISION:** 09/20/2012

REASON FOR REVISION:
FIX MOVED 0.91NM EAST.
DELETED FAC 1.
UPDATED FIX USE.

DEVELOPED BY: **DATE:** 02/02/2012 **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:

QUALITY 2 CHECKED

TERMINAL AIRSPACE DATA REQUIREMENTS

CITY: **ORLANDO** STATE: **FL**

AIRPORT NAME: **ORLANDO SANFORD INTL** ID: **KSFB**

PROCEDURE: **RNAV (GPS) RWY 27R** 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 **3.10**
   (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 **269.94**
4. High Terrain in **FINAL** segment containing 1000' point **60**
5. Distance from **THLD** to 1500' point **4.77**
   (If 1500' point in PT maneuvering area or holding pattern note in remarks)
6. Width of **FINAL** segment at 1500' point **2.00**
7. True Course of **FINAL** segment containing 1500' point **269.94**
8. High Terrain in **FINAL** segment containing 1500' point **60**
9. Threshold Coordinates (if straight-in) ... **284654.41N** / **0811340.28W**
10. ARP Coordinates ..... **284636.10N** / **0811407.90W**
11. Runway Approach End and distance furthest from ARP.....RWY **27L**
    Distance **1.12** NM
12. FAF Coordinates ..... **284654.80N** / **0810814.60W**
    (Click to Select)

REMARKS: Approach/Drawing attached.