Flight Procedure Tracking Form

Action:	Task Type:	Date Open:	Task #:	Request #:
FLIGHT CHECK	IAP	10/12/2010	2008041414764713005	20080414147647

Procedure: ILS OR LOC RWY 35 L AMDT 6C

Airport ID: KMCO **Airport:** ORLANDO INTL **Reimbursable #:**

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

Fac ID: DDO **Fac. Type:** ILS **Specialist:** BRIAN SHAFFER

Procedure Review

	Rec'd	Rel'd	Full Name	Comments
Lead:	02/06/2012	05/14/2012	DONALD SMITH	
QA:	05/14/2012	05/14/2012	STEVEN SZUKALA	
Liaison:	05/14/2012		Alfonso	REQUEST POSSIBLE TABLE TOP REVIEW

P1

Procedure Comments: ENROUTE **Remark Type:** INFORMATION

Pkg 4 of 14

ORLANDO, FL ORLANDO INTL (KMCO) ILS OR LOC RWY 35L, AMDT 6C ENROUTE-NO HARD DATE : 9.20.12

ATTACHED FORMS: 8260-3; 8260-10; 8260-9; 8260-2(S): FITEM-INT, REV 2; FOBUK-INT, REV 2; NOGGI-INT, REV 2; OVIDO-INT, REV 9; SANFORD (SFB) NDB, REV 8; SPURR-INT, REV 4.

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

ILS or LOC RWY 35L

ORLANDO INTL (MCO)

LOC/DME I-DDO	APP CRS	Rwy Idg	10000
110.5	005°	TDZE	88
Chan 42		Apt Elev	96

DME or Radar required. Bright lights on highway midway between Rwy 35L and Rwy 35R may be mistaken for runway lights. Simultaneous approach authorized with ILS or LOC Rwy 35R, ILS Rwy 35R (Cat II), ILS or LOC Rwy 36R, ILS Rwy 36R (Cat II), ILS Rwy 36R (Cat III).

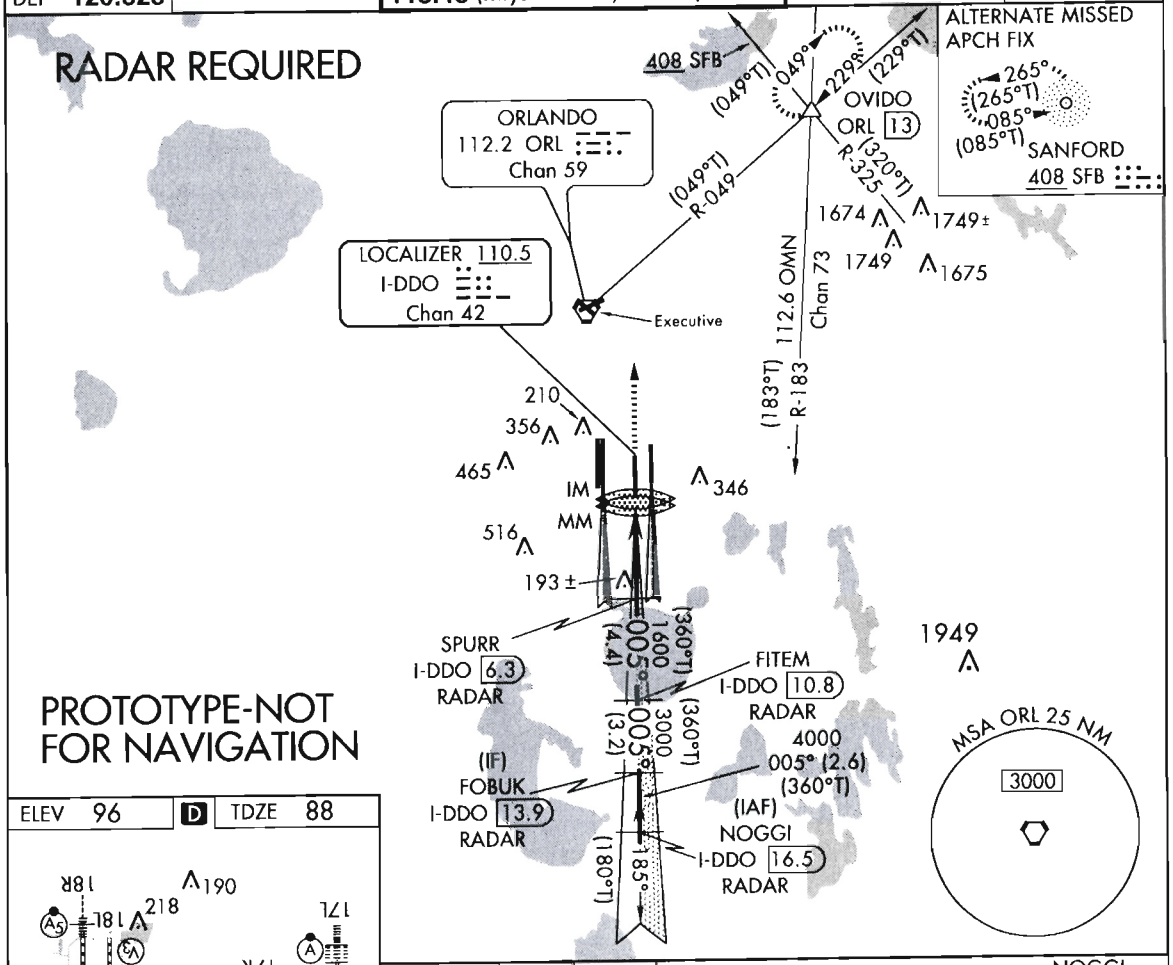
ALSF-2

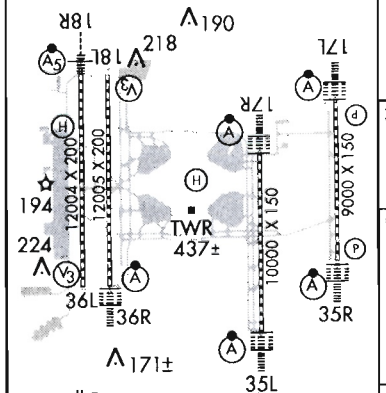
MISSED APPROACH: Climb to 3000 on heading 005° and ORL VORTAC R-049 to OVIDO INT/ORL 13 DME and hold.

ATIS	ORLANDO APP CON	ORLANDO TOWER	GND CON	CLNC DEL
ARR 121.25	124.8 307.0	124.3 (Rwys 18L-36R,18R-36L) 253.5	126.4 275.8 (East)	134.7 341.7
DEP 120.525		118.45 (Rwys 17L-35R,17R-35L) 253.5	121.8 275.8 (West)	

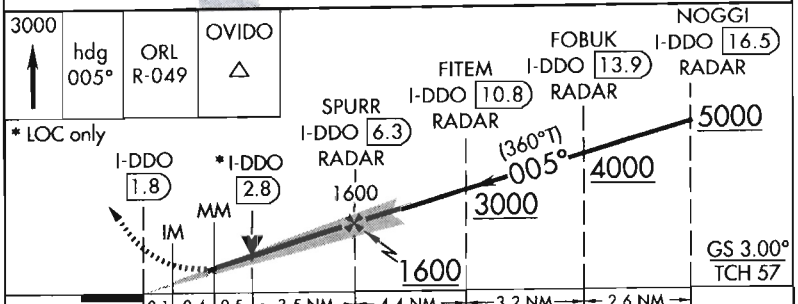
RADAR REQUIRED

PROTOTYPE-NOT FOR NAVIGATION





FAF to MAP 4.5 NM					
Knots	60	90	120	150	180
Min:Sec	4:30	3:00	2:15	1:48	1:30



CATEGORY	A	B	C	D
S-ILS 35L	288/18 192 (200-½)			
S-LOC 35L	460/24 372 (400-½)			460/40 372 (400-¾)
CIRCLING	740-1 644 (700-1)		740-1¾ 644 (700-1¾)	740-2 644 (700-2)

ILS RWY 35L (CAT II)

ORLANDO INTL (MCO)

LOC/DME I-DDO	APP CRS	Rwy Idg	10000
110.5	005°	TDZE	88
Chan 42		Apt Elev	96

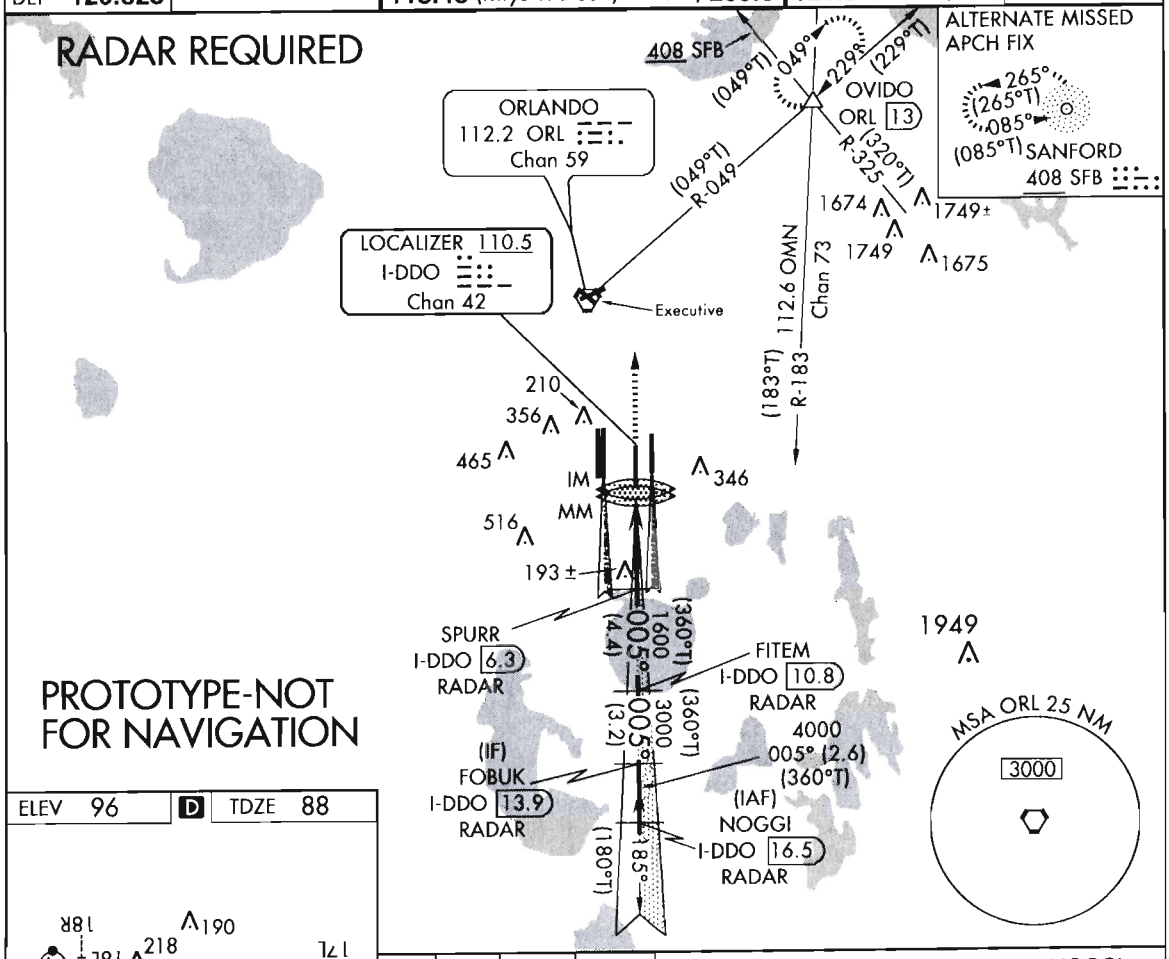
DME or Radar required. Bright lights on highway midway between Rwy 35L and Rwy 35R may be mistaken for runway lights. Simultaneous approach authorized with ILS or LOC Rwy 35R, ILS Rwy 35R (Cat II), ILS or LOC Rwy 36R, ILS Rwy 36R (Cat II), ILS Rwy 36R (Cat III).

ALSF-2

MISSED APPROACH: Climb to 3000 on heading 005° and ORL VORTAC R-049 to OVIDO INT/ORL 13 DME and hold.

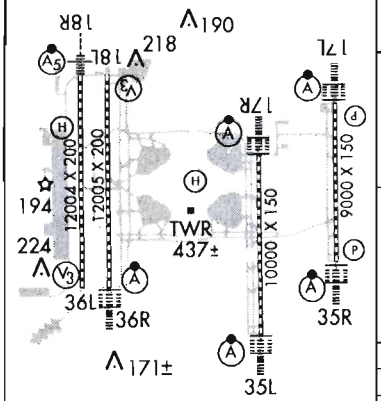
ATIS	ORLANDO APP CON	ORLANDO TOWER	GND CON	CLNC DEL
ARR 121.25	124.8 307.0	124.3 (Rwys 18L-36R,18R-36L) 253.5	126.4 275.8 (East)	134.7 341.7
DEP 120.525		118.45 (Rwys 17L-35R,17R-35L) 253.5	121.8 275.8 (West)	

RADAR REQUIRED

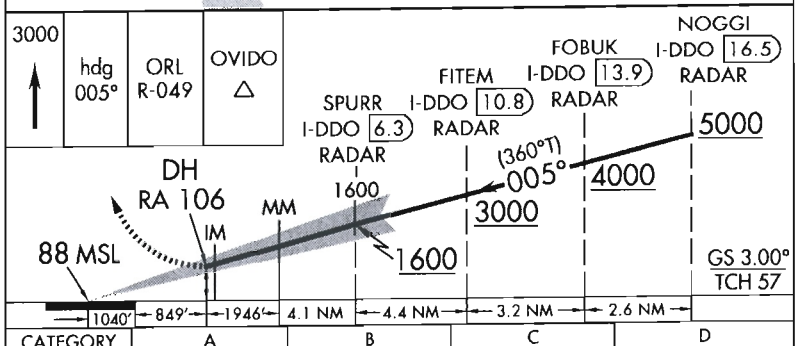


PROTOTYPE-NOT FOR NAVIGATION

ELEV 96 | D | TDZE 88



HIRL all Rwys
REIL Rwy 36L
TDZ/CL Rwys 17L/R, 18R, 35L/R and 36L/R



CATEGORY	A	B	C	D
S-ILS 35L	RA 106/12 100 DA 188			

CATEGORY II ILS - SPECIAL AIRCREW & AIRCRAFT CERTIFICATION REQUIRED

ILS RWY 35L (CAT III)

ORLANDO INTL (MCO)

LOC/DME I-DDO	APP CRS	Rwy Idg	10000
110.5	005°	TDZE	88
Chan 42		Apt Elev	96

DME or Radar required. Bright lights on highway midway between Rwy 35L and Rwy 35R may be mistaken for runway lights. Simultaneous approach authorized with ILS or LOC Rwy 35R, ILS Rwy 35R (Cat II), ILS or LOC Rwy 36R, ILS Rwy 36R (Cat II), ILS Rwy 36R (Cat III).

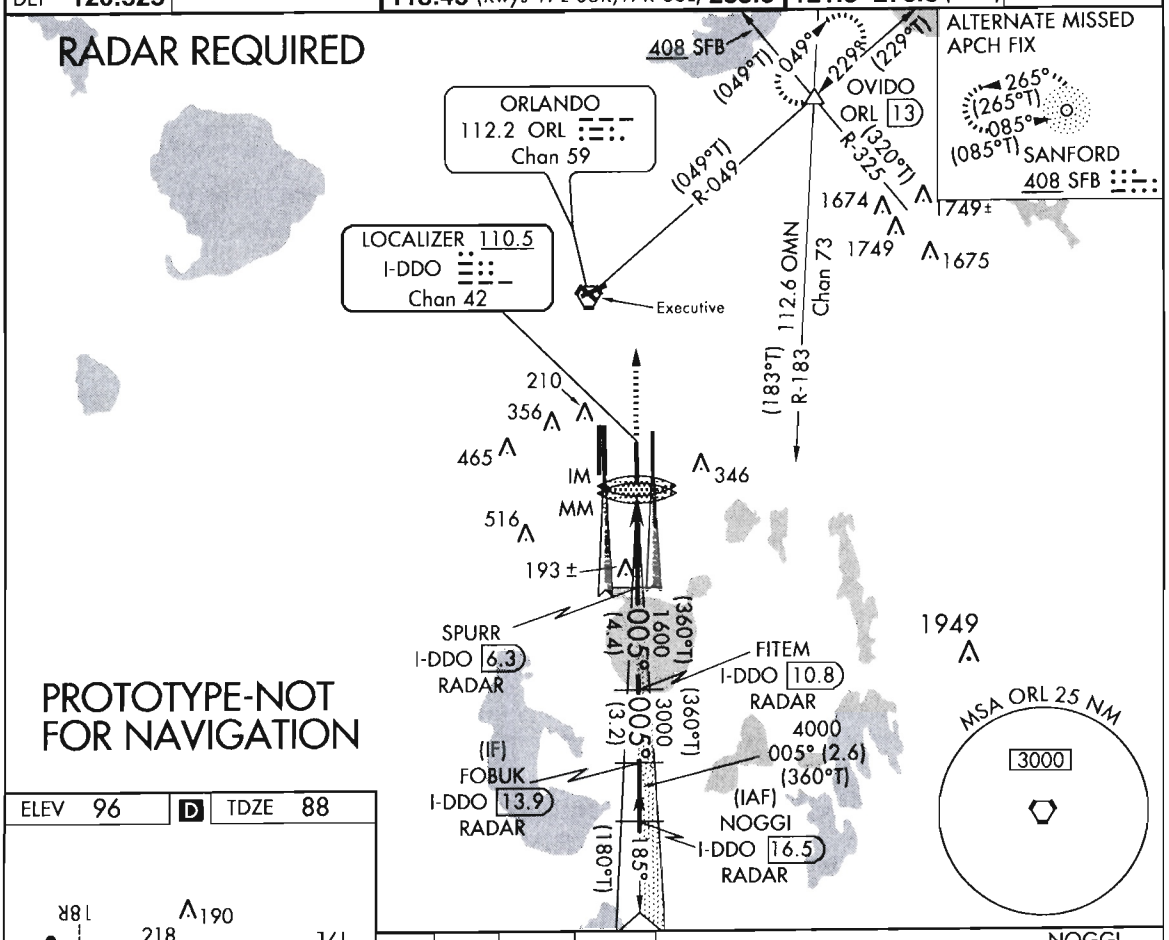
ALSF-2

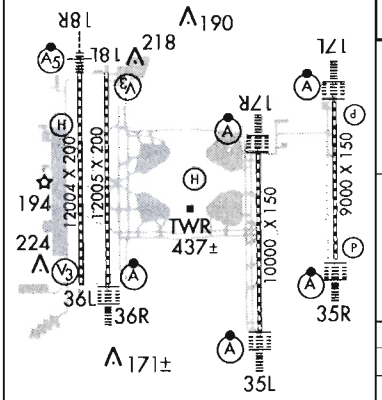
MISSED APPROACH: Climb to 3000 on heading 005° and ORL VORTAC R-049 to OVIDO INT/ORL 13 DME and hold.

ATIS	ORLANDO APP CON	ORLANDO TOWER	GND CON	CLNC DEL
ARR 121.25	124.8 307.0	124.3 (Rwys 18L-36R,18R-36L) 253.5	126.4 275.8 (East)	134.7 341.7
DEP 120.525		118.45 (Rwys 17L-35R,17R-35L) 253.5	121.8 275.8 (West)	

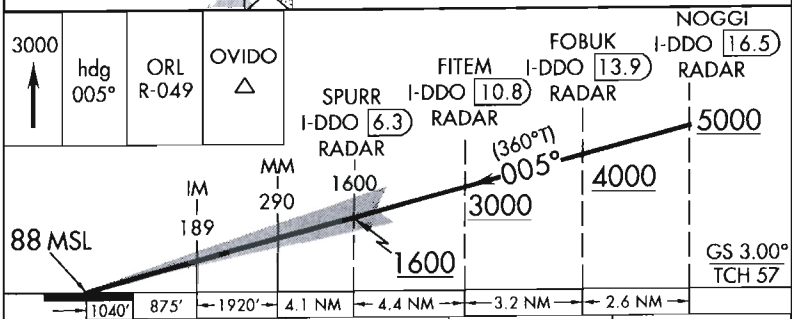
RADAR REQUIRED

PROTOTYPE-NOT FOR NAVIGATION





HIRL all Rwys
REIL Rwy 36L
TDZ/CL Rwys 17L/R, 18R, 35L/R and 36L/R



CATEGORY	A	B	C	D
S-ILS 35L	CAT IIIa RVR 07			
S-ILS 35L	CAT IIIb RVR 06			
S-ILS 35L	CAT IIIc NA			

CATEGORY III ILS - SPECIAL AIRCREW & AIRCRAFT CERTIFICATION REQUIRED

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

ILS - STANDARD
INSTRUMENT APPROACH PROCEDURE
TITLE 14 CFR PART 97.29

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
NOGGI/16.45 DME/RADAR (IAF)	FOBUK/13.90 DME/RADAR	005.47 / 2.56 (I-DDO)	4000
FOBUK/13.90 DME/RADAR (IF)	FITEM/10.75 DME/RADAR	005.47 / 3.15 (I-DDO)	3000
FITEM/10.75 DME/RADAR	SPURR/6.33 DME/RADAR	005.47 / 4.41 (I-DDO)	1600

MISSED APPROACH

ILS: DA
LOC: 4.52 MILES AFTER SPURR/6.33 DME/RADAR OR AT 1.82 DME FIX

CLIMB TO 3000 ON HEADING 005 AND ORL VORTAC R-049 TO OVIDO INT/ORL 12.98 DME AND HOLD, OR AS DIRECTED BY ATC.

ALTERNATE MA: CLIMB TO 500 THEN CLIMBING RIGHT TURN TO 4000 DIRECT SFB NDB AND HOLD. (**ADF REQUIRED)
(SEE FORM 8260-10)

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. PROFILE STARTS AT NOGGI/16.45 DME/RADAR
3. FAC: 005.47 FAF: SPURR/6.33 DME/RADAR DIST FAF TO MAP: 4.52 THLD: 4.52
4. MIN. ALT: NOGGI 5000, FOBUK 4000, FITEM 3000, SPURR 1600
5. DIST TO THLD FROM OM: - MM: 0.46 IM: 875 150 HAT: - 100 HAT: 849 GS ANT: 1040
6. MIN GS INCPT: 1600 GS ALT AT: SPURR 1600 OM: - MM: 290 IM: 189
7. GS ANGLE: 3.00 TCH: 56.8
8. MSA FROM: ORL VORTAC 3000

ADDITIONAL FLIGHT DATA:
HOLD NE, RT, 229.00 INBOUND.
CHART IN PLANVIEW: ALTERNATE MA HOLDING, HOLD W SFB NDB, LT, 085.00 INBOUND. (** ADF REQUIRED)
CHART FAS OBST: 193 POLE 282031N/0811816W
CHART VDP AT 2.80 DME*;
DISTANCE VDP TO THLD 0.98 MILES.
*LOC ONLY.
CHART IN PLANVIEW: SFB NDB.
CHART LOC RWY 35R AND 36R.
CHART IN PLANVIEW: EXECUTIVE AIRPORT.
DO NOT CHART: **ALTERNATE MINIMUMS NA WHEN ORLANDO SANFORD INTL TOWER IS CLOSED.

MAG VAR: 6W EPOCH YEAR: 2015

MINIMUMS

TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT | ALTERNATE: N A | ILS: # | LOC: 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
S-ILS 35L	288	1800	192	288	1800	192	288	1800	192	288	1800	192			
S-LOC 35L	460	2400	372	460	2400	372	460	2400	372	460	4000	372			
CIRCLING	740	1	644	740	1	644	740	1 3/4	644	740	2	644			

NOTES:
CATEGORY II ILS SPECIAL AIRCREW AND AIRCRAFT CERTIFICATION REQUIRED S-ILS 35L: CAT A, B, C, D, RA 106, RVR 1200, HAT 100, DA 188 MSL.
CAT A, B, C, D 700-2
CATEGORY III ILS SPECIAL AIRCREW AND AIRCRAFT CERTIFICATION REQUIRED. S-ILS-35L: CAT IIIa CAT A,B,C,D, RVR 700. CAT IIIb CAT A,B,C,D, RVR 600. CAT IIIc NA.
(SEE FORM 8260-10)

QUALITY 4 CHECK

CITY AND STATE	ELEVATION: 96 TDZE: 88 AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
ORLANDO, FL	ORLANDO INTL	I-DDO	ILS OR LOC RWY 35L, AMDT 6C, 09/20/2012 ILS RWY 35L (CAT II), ILS RWY 35L (CAT III)	AMDT: 6B DATED 04/05/2012

ALL AFFECTED PROCEDURES REVIEWED?	COORDINATES OF FACILITIES	REQUIRED EFFECTIVE DATE
[ ] YES [X] NO		09/20/2012

COORDINATED WITH:

ATA	AAT	ALPA	APA	AOPA	NBAA	OTHER (specify)
[X]	[ ]	[X]	[X]	[X]	[X]	[X] ZJX, ZMA, MCO APP CON, MCO ATCT, MCO APT MGR

FLIGHT CHECKED BY

NAME:	FIFO	DATE:

DEVELOPED BY

NAME:	FIFO	DATE:
BRIAN M. SHAFFER	AJV-352	04/11/2012

APPROVED BY

NAME:		FIFO	DATE:
DARRYEL ADAMS	MANAGER	AJV-352	

CHANGES:

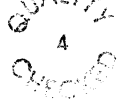
1. CHANGED FINAL APPROACH COURSE FROM 004.47 TO 005.47.
2. VDP LOCATION CHANGED FROM 2.75 DME/0.93 NM FROM THRESHOLD TO 2.80/0.98 NM.

REASONS:

1. I-DDO MAG VAR CHANGED FROM 5W TO 6W.
2. MDA RAISED FROM 440 (AMDT 6) TO 460 (AMDT 6A).

PDF EDIT:

8260-3:
ADDED "FLIGHT CHECKED BY" DATA.
REMOVED "NA" FROM PROFILE VIEW LINE 1 "PT".



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MISSED APPROACH INSTRUCTIONS, (CONT.):
(NOTAM: SIMULTANEOUS APPROACH NOT AUTHORIZED WITH RWY 35R).

NOTES, (CONT.):
CHART NOTE: DME OR RADAR REQUIRED.
CHART PLANVIEW NOTE: RADAR REQUIRED.
CHART NOTE: BRIGHT LIGHTS ON HIGHWAY MIDWAY BETWEEN RWY 35L AND RWY 35R MAY BE MISTAKEN FOR RUNWAY LIGHTS.
CHART NOTE: SIMULTANEOUS APPROACH AUTHORIZED WITH ILS OR LOC RWY 35R, ILS RWY 35R CAT (II), ILS OR LOC RWY 36R, ILS RWY 36R CAT (II), ILS RWY 36R CAT (III).

QUALITY A CHECKED

CITY AND STATE	ELEVATION: 96 TDZE: 88	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
ORLANDO, FL	AIRPORT NAME: ORLANDO INTL	I-DDO	ILS OR LOC RWY 35L, AMDT 6C, 09/20/2012 ILS RWY 35L (CAT II) , ILS RWY 35L (CAT III)	AMDT: 6B DATED: 04/05/2012

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:

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 - ILS

```
                1         2         3         4         5         6         7         8         9         0         1         2         3
NAVAID  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAD        ORL   K7011220VTHA N28323381W081200607    N28323381W081200607E0000001022     NARORLANDO
        SUSAD KMCOK7 IDDO  K7011050 IT                    IDDON28261845W081174812     001000     NARORLANDO INTL

                1         2         3         4         5         6         7         8         9         0         1         2         3
WP      12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAEAENRT   FITEM K70    R     N28153200W081173852                    W0059     NAR           FITEM
        SUSAEAENRT   FOBUK K70    C     N28122250W081173654                    W0059     NAR           FOBUK
        SUSAEAENRT   NOGGI K70    C     N28094859W081173494                    W0059     NAR           NOGGI
        SUSAEAENRT   OVIDO K70    C   B N28410545W081085800                    W0061     NAR           OVIDO
        SUSAEAENRT   SPURR K70    C     N28195747W081174129                    W0059     NAR           SPURR

                1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KMCOK7AMCO     0     120YHN28254582W081183238W006000096         1800018000C    MNAR    ORLANDO INTL

                1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KMCOK7FI35L  ANOGGI 010NOGGIK7EA0E  A    IF                                  + 05000     18000                0 NS
        SUSAP KMCOK7FI35L  ANOGGI 020FOBUKK7EA0E  B    TF                                  + 04000                          0 NS
        SUSAP KMCOK7FI35L  ANOGGI 030FITEMK7EA0EE      CF IDDOK7      1855010700550032PI  + 03000                          0 NS
        SUSAP KMCOK7FI35L  I      010FITEMK7EA0E  I    IF IDDOK7      18550107        PI  J 030000160018000                0 NS
        SUSAP KMCOK7FI35L  I      020SPURRK7EA0E  F    CF IDDOK7      1855006300500044PI  H 0160001600         -300ORL   K7D 0 NS
        SUSAP KMCOK7FI35L  I      030RW35LK7PG0GY M    CF IDDOK7      1855001800500045PI    00144              -300           0 NS
        SUSAP KMCOK7FI35L  I      040          0  M    VI                       0050                                        0 NS
        SUSAP KMCOK7FI35L  I      050OVIDOK7EA0EY      CF ORL K7      0490013004900110D   + 03000                          0 NS
        SUSAP KMCOK7FI35L  I      060OVIDOK7EA0EE  R   HM                        2290T010   + 03000                          0 NS

                1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KMCOK7GRW35L   0100000055 N28242920W081174413+0000    -0001500087000057150IIDDO3

                1         2         3         4         5         6         7         8         9         0         1         2         3
ILS     12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KMCOK7IIDDO3   011050RW35LN28261860W0811745270055N28243953W0811739761050 10400363300W00605700084

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

QUALITY CHECKED

CITY AND STATE	ELEVATION: 96 TDZE: 88	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
ORLANDO, FL	AIRPORT NAME: **ORLANDO INTL**	**I-DDO**	**ILS OR LOC RWY 35L, AMDT 6C, ILS RWY 35L (CAT II), ILS RWY 35L (CAT III)**	AMDT: **6B**
				DATED: **04/05/2012**

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:

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.

```
MSA     12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KMCOK7SORL  K7D              0   18018003025                                                                  M
```

QUALITY 1 CHECKED

CITY AND STATE	ELEVATION: 96 TDZE: 88	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
ORLANDO, FL	AIRPORT NAME: ORLANDO INTL	I-DDO	ILS OR LOC RWY 35L, AMDT 6C, ILS RWY 35L (CAT II), ILS RWY 35L (CAT III)	AMDT: 6B
				DATED: 04/05/2012

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:

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 - ILS

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
	NOGGI	NOGGI	010	IAF	IF		FB				AA 05000	
	NOGGI	FOBUK	020		TF		FB				AA 04000	
	NOGGI	FITEM	030		CF		FB		005.5()	003.2	AA 03000	
		FITEM	010	FACF	IF		FB				AA 03000 GI 01600	
		SPURR	020	FAF	CF		FB		005.0()	004.4	GI 01600 GS 01600	
		RW35L	030	MAP	CF		FO		005.0()	004.5	AT 00144	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
		040		VI		FB		005.0()			
	OVIDO	050		CF		FO		049.0()	011.0	AA 03000	
	OVIDO	060		HM	R	FO		229.0()	T01.0	AA 03000	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	ORL	N283233.81	W0812006.07	N2832.564	W08120.101
	IDDO (DME)	N282618.45	W0811748.12	N2826.308	W08117.802
	FITEM	N281532.00	W0811738.52	N2815.533	W08117.642
	FOBUK	N281222.50	W0811736.54	N2812.375	W08117.609
	NOGGI	N280948.59	W0811734.94	N2809.810	W08117.582
	OVIDO	N284105.45	W0810858.00	N2841.091	W08108.967
	SPURR	N281957.47	W0811741.29	N2819.958	W08117.688
	RW35L	N282429.20	W0811744.13	N2824.487	W08117.736
	IDDO (LOC)	N282618.60	W0811745.27	N2826.310	W08117.755

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW35L	00087	57

QUALITY 1 CHECKED

CITY AND STATE	ELEVATION: 96	TDZE: 88	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
ORLANDO, FL	AIRPORT NAME: ORLANDO INTL		I-DDO	ILS OR LOC RWY 35L, AMDT 6C, ILS RWY 35L (CAT II), ILS RWY 35L (CAT III)	AMDT: 6B
					DATED: 04/05/2012

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:

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 - LOC

```
                 1         2         3         4         5         6         7         8         9         0         1         2         3
NAVAID  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAD        ORL   K7011220VTHA N28323381W081200607    N28323381W081200607E0000001022     NARORLANDO
        SUSAD KMCOK7 IDDO  K7011050 IT                    IDDON28261845W081174812     001000     NARORLANDO INTL

                 1         2         3         4         5         6         7         8         9         0         1         2         3
WP      12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAEAENRT   FITEM K70    R     N28153200W081173852                    W0059     NAR           FITEM
        SUSAEAENRT   FOBUK K70    C     N28122250W081173654                    W0059     NAR           FOBUK
        SUSAEAENRT   NOGGI K70    C     N28094859W081173494                    W0059     NAR           NOGGI
        SUSAEAENRT   OVIDO K70    C   B N28410545W081085800                    W0061     NAR           OVIDO
        SUSAEAENRT   SPURR K70    C     N28195747W081174129                    W0059     NAR           SPURR

                 1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KMCOK7AMCO     0     120YHN28254582W081183238W006000096         1800018000C    MNAR    ORLANDO INTL

                 1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KMCOK7FL35L  ANOGGI 010NOGGIK7EA0E  A    IF                                + 05000     18000                0 NS
        SUSAP KMCOK7FL35L  ANOGGI 020FOBUKK7EA0E  B    TF                                + 04000                          0 NS
        SUSAP KMCOK7FL35L  ANOGGI 030FITEMK7EA0EE      CF IDDOK7      1855010700550032PI  + 03000                          0 NS
        SUSAP KMCOK7FL35L  L      010FITEMK7EA0E  I    IF IDDOK7      18550107        PI  + 03000     18000                0 NS
        SUSAP KMCOK7FL35L  L      020SPURRK7EA0E  F    CF IDDOK7      1855006300500044PI  + 01600                ORL   K7D 0 NS
        SUSAP KMCOK7FL35L  L      030RW35LK7PG0GY M    CF IDDOK7      1855001800500045PI    00144           -304          0 NS
        SUSAP KMCOK7FL35L  L      040         0  M     VI                      0050                                       0 NS
        SUSAP KMCOK7FL35L  L      050OVIDOK7EA0EY      CF ORL K7      0490013004900110D   + 03000                          0 NS
        SUSAP KMCOK7FL35L  L      060OVIDOK7EA0EE  R   HM                      2290T010    + 03000                          0 NS

                 1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KMCOK7GRW35L   0100000055 N28242920W081174413+0000     -000150008700005715OIIDDO3

                 1         2         3         4         5         6         7         8         9         0         1         2         3
ILS     12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KMCOK7IIDDO3   011050RW35LN28261860W0811745270055N28243953W0811739761050 10400363300W00605700084

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

QUALITY CHECKED

CITY AND STATE	ELEVATION: 96 TDZE: 88	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
ORLANDO, FL	AIRPORT NAME: **ORLANDO INTL**	**I-DDO**	**ILS OR LOC RWY 35L, AMDT 6C, ILS RWY 35L (CAT II), ILS RWY 35L (CAT III)**	AMDT: **6B**
				DATED: **04/05/2012**

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:

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.

```
MSA     12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        --------------------------------------------------------------------------------------------------------------------------------
        SUSAP KMCOK7SORL  K7D               0   18018003025                                                                  M
```

QUALITY 1 CHECKED

CITY AND STATE	ELEVATION: 96 TDZE: 88	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
ORLANDO, FL	AIRPORT NAME: ORLANDO INTL	I-DDO	ILS OR LOC RWY 35L, AMDT 6C, ILS RWY 35L (CAT II), ILS RWY 35L (CAT III)	AMDT: 6B
				DATED: 04/05/2012

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

LOC STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - **FAR PART 97.25**

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 - LOC

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
	NOGGI	NOGGI	010	IAF	IF		FB				AA 05000	
	NOGGI	FOBUK	020		TF		FB				AA 04000	
	NOGGI	FITEM	030		CF		FB		005.5()	003.2	AA 03000	
		FITEM	010	FACF	IF		FB				AA 03000	
		SPURR	020	FAF	CF		FB		005.0()	004.4	AA 01600	
		RW35L	030	MAP	CF		FO		005.0()	004.5	AT 00144	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
		040		VI		FB		005.0()			
	OVIDO	050		CF		FO		049.0()	011.0	AA 03000	
	OVIDO	060		HM	R	FO		229.0()	T01.0	AA 03000	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	ORL	N283233.81	W0812006.07	N2832.564	W08120.101
	IDDO (DME)	N282618.45	W0811748.12	N2826.308	W08117.802
	FITEM	N281532.00	W0811738.52	N2815.533	W08117.642
	FOBUK	N281222.50	W0811736.54	N2812.375	W08117.609
	NOGGI	N280948.59	W0811734.94	N2809.810	W08117.582
	OVIDO	N284105.45	W0810858.00	N2841.091	W08108.967
	SPURR	N281957.47	W0811741.29	N2819.958	W08117.688
	RW35L	N282429.20	W0811744.13	N2824.487	W08117.736
	IDDO (LOC)	N282618.60	W0811745.27	N2826.310	W08117.755

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW35L	00087	57

CITY AND STATE	ELEVATION: 96	TDZE: 88	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
ORLANDO, FL	AIRPORT NAME: **ORLANDO INTL**		**I-DDO**	**ILS OR LOC RWY 35L, AMDT 6C, ILS RWY 35L (CAT II), ILS RWY 35L (CAT III)**	AMDT: **6B**
					DATED: **04/05/2012**

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	NOGGI/16.45	FOBUK/13.90	1. TOWER (12-004624)	281028.20N/0811700.10W	580 (2C)	1000	AT2420	4000
	DME/RADAR	DME/RADAR	2. TERRAIN	281224.00N/0811415.00W	92 (100)		AS1500	1600
INTERMEDIATE	FOBUK/13.90	FITEM/10.75	3. TOWER (12-003208)	281510.70N/0811937.90W	368 (1A)	500	AT2132	3000
	DME/RADAR	DME/RADAR	4. TERRAIN	281457.00N/0811654.00W	96 (100)		AS1500	1600
INTERMEDIATE:	FITEM/10.75	SPURR/6.33	5. TOWER (12-003440)	281653.12N/0811941.31W	394 (1A)	500		900
STEPDOWN	DME/RADAR	DME/RADAR	6. TERRAIN	281954.00N/0811706.00W	83 (100)		AS1500	1600
FINAL: ILS	SPURR/6.33	RW35L				ASC		288/192
	DME/RADAR							
FINAL: ILS CAT II	SPURR/6.33	RW35L				ASC		188/100
	DME/RADAR							
FINAL: LOC	SPURR/6.33	4.52 MILES AFTER	7. POLE	282031.35N/0811816.07W	193 (1A)	250		460
	DME/RADAR	SPURR/6.33						
		DME/RADAR OR AT						
		1.82 DME FIX						
2. PROCEDURE TURN	NA							
3. MISSED APPROACH MAP:	DA / DA / 4.52	OVIDO INT/ORL				ASC		3000
	MILES AFTER	12.98 DME	8. TOWER (12-001006)	283609.00N/0810536.00W	1674 (5D)	1000		2700
ELEV:	118/190		9. TERRAIN	283112.00N/0811857.00W	148 (100)		AS1500	1600

4. CIRCLING AREA	DISTANCE	REQUIRED	ACTUAL						
		HT. ABV. ARPT.	HT. ABV. ARPT.						
CATEGORY A	1.3 NM	350	644	12. C-TWR (12-004633)	282535.00N/0811828.00W	437 (1A)	300		740
CATEGORY B	1.5 NM	450	644	12. C-TWR (12-004633)	282535.00N/0811828.00W	437 (1A)	300		740
CATEGORY C	1.7 NM	450	644	12. C-TWR (12-004633)	282535.00N/0811828.00W	437 (1A)	300		740
CATEGORY D	2.3 NM	550	644	12. C-TWR (12-004633)	282535.00N/0811828.00W	437 (1A)	300		740
CATEGORY E	4.5 NM	550							

5. MINIMUM SAFE ALTITUDES — PRIMARY NAVAID: **ORL VORTAC**

SECTOR	OBSTRUCTION	BRG/DIST	ELEVATION (MSL)	M S A	SECTOR	OBSTRUCTION	BRG/DIST	ELEVATION (MSL)	M S A
360-360	TWR (12-004140)	134/ 22.8	1949 (2C)	3000					

QUALITY CHECKED

CITY AND STATE		FACILITY	PROCEDURE AND AMENDMENT NO:	REGION
ORLANDO, FL	ELEVATION: 96 AIRPORT NAME: ORLANDO INTL	I-DDO	ILS OR LOC RWY 35L, AMDT 6C, ILS RWY 35L (CAT II), ILS RWY 35L (CAT III) 09/20/2012	ASO

PART B - SUPPLEMENTAL DATA

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

4. MONITOR STATUS	PRIMARY NAVAID: I-DDO	
	MONITOR POINT: ATCT	
	HRS OPTN: CAT 1	24 HOURS
	CAT 3	

5. APPROACH & RUNWAY LIGHTING	X	ALSF-2 35R, 36R, 17R, 35L, 17L
		(S) SALS
	X	MALSR 18R
	X	HIRL 18R, 35R, 36R, 17R (PCL), 35L, 36L, 17L, 18L
		MIRL
	X	REIL 36L
	X	TDZ 18R, 35R, 36R, 17R, 35L, 36L, 17L
	X	C/L 18R, 35R, 36R, 17R, 35L, 36L, 17L, 18L
	X	OTHER (SPECIFY) PAPI-4R 35R VASI-6L 36L, 18L PAPI-4L 18R, 36R, 17L

6. RUNWAY MARKINGS	BASIC	
	ALL WEATHER	PIR-G 18R, 35R, 36R, 17R, 35L, 36L, 17L, 18L
	INSTRUMENT	
7. RUNWAY VISUAL RANGE	APPROACH	18R, 35R, 36R, 17R, 35L, 36L, 17L, 18L
	MIDFIELD	18R, 35R, 36R, 17L, 18L
	ROLL OUT	18R, 35R, 36R, 36L, 17L, 18L

8. GLIDE PATH	GP ANGLE: 3.00	ELEV RWY THRESHOLD: 86.7
	DISTANCE FROM RWY: 1040	ELEV GP ANTENNA: 89
		THRESHOLD CROSSING HEIGHT: 56.8

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

10. WAIVERS: NONE

PART D - PREPARED BY: BRIAN M. SHAFFER	DATE: 04/11/2012
TITLE: AERONAUTICAL INFORMATION SPECIALIST	OFFICE: AJV-352

PART C - REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED.

FLIGHT CHECK RDH 57.0 FT., (ORDER 8260.3B CHG 19)

3. ALTIMETER SETTING
SOURCE: KMCO/KMCO DISTANCE: ON AFLD/ON AFLD
HOURS REMOTE OPERATION: NA ADJUSTMENT: NA
KMCO IS ON SERVICE A.

NO ADDITIONAL AIRSPACE REQUIRED.

BACKUP ALTIMETER SETTING NOT APPLIED DUE TO REDUNDENT SOURCES AT KMCO.

100' HAT CALCULATION: (188-143.5)/3 TAN = 849
RA TERRAIN ELEVATIONAT 849' PT FROM THLD IS 82.
RA CALCULATION: 188-78=106.
RWY ELEVATION AT 3000' PT IS 86.

CAT II/III MISSED APPROACH (OCS SLOPE ELEVATION)
OBSTACLE EVALUATIONS:
KMCO0001 93 MSL (93)
KMCO0002 133 MSL (141)
KMCO0075 130 MSL (204)
KMCO0066 175 MSL (227)
KMCO0003 105 MSL (161)
KMCO0068 96 MSL (185)
KMCO0004 136 MSL (234)

CIRCLING OBST (#12) UTILIZES 1A AC PER FPO.

VEGETATION = 100 FT PLUS TERRAIN PER FPO.

LOCALIZER EVAL AT 1600 REQUESTED BY AIR TRAFFIC FOR SEPERATION REQUIREMENTS WITH TRAFFIC FROM OTHER AIRPORTS. CONCURRED WITH BY BRANCH MANAGER AND QA LEAD.

MISSED APPROACH OBSTACLES CONT.
ALTERNATE:
ASC 4000
10. TOWER (12-000366) 284250.12N/0812034.39W 562 (1A)
1000 1600
11. TERRAIN 283112.00N/0811857.00W 148 (100) AS1500
1600

QUALITY 4 CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: FITEM **STATE:** FL **COUNTRY:** US

LATITUDE/LONGITUDE: 281532.00N/0811738.52W **TYPE:** RADAR, 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-DDO	LOC/DME		185.47	179.47	10.75	10.75		1600	4500

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

REMARKS:
I-DDO DME COORDINATES: 282618.45N/0811748.12W
1600 FT MRA UTILIZED PER AIR TRAFFIC FOR VECTORING TO FIX AT MVA ALTITUDE.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	ILS OR LOC RWY 35L	1		KMCO	ORLANDO	FL (US)
IAP	ILS RWY 35L (CAT II)	1		KMCO	ORLANDO	FL (US)
IAP	ILS RWY 35L (CAT III)	1		KMCO	ORLANDO	FL (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

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

REASON FOR REVISION:
CHANGED FAC 1 MAG BRG FROM 184.47 TO 185.47.
CHANGED FAC 1 DME LATITUDE COORDINATE FROM 282618.53N TO 282618.45N.

DEVELOPED BY: **DATE:** 04/05/2012 **OFFICE:** AJV-352 **NAME:** BRIAN SHAFFER

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

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: EST
ARTCC: ZJX, ZMA
ATC FACILITY: MCO
OTHER:

RADIO FIX AND HOLDING DATA RECORD

NAME: FOBUK **STATE:** FL **COUNTRY:** US

LATITUDE/LONGITUDE: 281222.50N/0811736.54W **TYPE:** WP, RADAR, 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-DDO	LOC/DME		185.47	179.47	13.90	13.90		1600	4500

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		WP	185.47	005.47	R		4	3000	6000	5	6

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	TOWER (12-004624)	281028.20N/0811700.10W	580	2C

HOLDING RESTRICTIONS:
HOLDING LIMITED TO ESTABLISHED PATTERN.

REMARKS:
PRECIPITOUS TERRAIN EVALUATION COMPLETED.
I-DDO DME COORDINATES: 282618.45N/0811748.12W
1600 FT MRA UTILIZED PER AIR TRAFFIC FOR VECTORING TO FIX AT MVA ALTITUDE.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	ILS OR LOC RWY 35L	1		KMCO	ORLANDO	FL (US)
IAP	ILS RWY 35L (CAT II)	1		KMCO	ORLANDO	FL (US)
IAP	ILS RWY 35L (CAT III)	1		KMCO	ORLANDO	FL (US)
IAP	RNAV (GPS) RWY 17R		1	KMCO	ORLANDO	FL (US)
IAP	RNAV (GPS) RWY 35L		1	KMCO	ORLANDO	FL (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

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

REASON FOR REVISION:
CHANGED FAC 1 MAG BRG FROM 184.47 TO 185.47.
CHANGED HOLD PAT 1 CRS INBOUND & RAD/CRS/BRG FROM 004.47/184.47 TO 005.47/185.47.
UPDATED FIX USE.

DEVELOPED BY: **DATE:** 04/05/2012 **OFFICE:** AJV-352 **NAME:** BRIAN SHAFFER

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

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: EST
ARTCC: ZJX, ZMA
ATC FACILITY: MCO
OTHER:

RADIO FIX AND HOLDING DATA RECORD

NAME: NOGGI **STATE:** FL **COUNTRY:** US

LATITUDE/LONGITUDE: 280948.59N/0811734.94W **TYPE:** WP, RADAR, 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-DDO	LOC/DME		185.47	179.47	16.45	16.46		1600	5000
2	ORLANDO	ORL	VORTAC	H	174.40	174.40	22.80	22.80		3000	10000

EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
I-DDO	LOC/DME	R-185	17	4500	5000

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	S	ORL	VORTAC	174.40	354.40	R	1		3000	10000	5	10

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	TOWER (12-004624)	281028.20N/0811700.10W	580	2C

HOLDING RESTRICTIONS:
HOLDING LIMITED TO ESTABLISHED PATTERN.

REMARKS:
PRECIPITIOUS TERRAIN EVALUATION COMPLETED.
I-DDO DME COORDINATES: 282618.45N/0811748.12W
ORLANDO (FAC 1) USED TO ESTABLISH FIX COORDINATES.
1600 FT MRA UTILIZED PER AIR TRAFFIC FOR VECTORING TO FIX AT MVA ALTITUDE.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	ILS OR LOC RWY 17R	2	1	KMCO	ORLANDO	FL (US)
IAP	ILS OR LOC RWY 35L	1		KMCO	ORLANDO	FL (US)
IAP	ILS RWY 17R (CAT II)	2	1	KMCO	ORLANDO	FL (US)
IAP	ILS RWY 35L (CAT II)	1		KMCO	ORLANDO	FL (US)
IAP	ILS RWY 35L (CAT III)	1		KMCO	ORLANDO	FL (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

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

REASON FOR REVISION:
CHANGED FAC 1 MAG BRG FROM 184.47 TO 185.47.
CHANGED ESV RADIAL FROM R-184 TO R-185.
ADDED REMARK: ORLANDO (FAC 1) USED TO ESTABLISH FIX COORDINATES.
CHANGED FAC 1 DME LATITUDE COORDINATE FROM 282618.53N TO 282618.45N.
UPDATED FIX USE.

DEVELOPED BY: **DATE:** 04/13/2012 **OFFICE:** AJV-352 **NAME:** BRIAN SHAFFER

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

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: EST
ARTCC: ZJX, ZMA
ATC FACILITY: MCO
OTHER:

QUALITY CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: OVIDO **STATE:** FL **COUNTRY:** US

LATITUDE/LONGITUDE: 284105.45N/0810858.00W **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	TREASURE	TRV	VORTAC	H	337.01	330.01	69.64	69.64		4000	45000
2	ORLANDO	ORL	VORTAC	H	049.00	049.00	12.98	12.98		1500	45000
3	ORMOND BEACH	OMN	VORTAC	H	183.00	183.00	37.06	37.06		2000	45000
4	MELBOURNE	MLB	VOR/DME	L	329.01	322.01	44.08	44.08		3000	17500
5	SANFORD	SFB	NDB	MH	145.39	140.39		7.77		1500	5000

EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
MLB	VOR/DME	R-329	45	2700	17500
TRV	VORTAC	R-337	70	4000	14500

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	NE	ORL	VORTAC	049.00	229.00	R	1		1600	6000	5	7
2	NE		WP	055.00	235.00	R		4	1600	6000	4	6
3	N	OMN	VORTAC	183.00	183.00	R	1		2000	6000	5	7

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	TOWER (12-001695)	284114.00N/0811324.00W	363	5D
2	200	TOWER (12-001695)	284114.00N/0811324.00W	363	5D
3	200	TOWER (12-001006)	283609.00N/0810536.00W	1674	5D

HOLDING RESTRICTIONS:
HOLDING LIMITED TO ESTABLISHED PATTERN.

REMARKS:
ORMOND BEACH (FAC 3) AND ORLANDO (FAC 2) USED TO ESTABLISH FIX COORDINATES
FAC MLB AND SFB LOW ONLY.
PRECIPITIOUS TERRAIN EVALUATION COMPLETED.
PAT 3: CONTROLLING OBSTACLE LOCATED 1.64 NM INTO SECONDARY AREA. SECONDARY ROC REDUCTION 874'.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
EN ROUTE	J45	1, 2, 3				(US)
EN ROUTE	V437	2, 4				(US)
EN ROUTE	V51	1, 2, 3				(US)
EN ROUTE	V533	2, 3				(US)
IAP	RNAV (GPS) RWY 2			KEVB	NEW SMYRNA BEACH	FL (US)
IAP	ILS OR LOC RWY 35L	2, 3, 5	1	KMCO	ORLANDO	FL (US)
IAP	ILS RWY 35L (CAT II)	2, 3, 5	1	KMCO	ORLANDO	FL (US)
IAP	ILS RWY 35L (CAT III)	2, 3, 5	1	KMCO	ORLANDO	FL (US)
IAP	ILS OR LOC RWY 7	2, 5	1	KORL	ORLANDO	FL (US)
IAP	RNAV (GPS) RWY 7		2	KORL	ORLANDO	FL (US)
IAP	ILS OR LOC RWY 9R	3	3	KSFB	ORLANDO	FL (US)
IAP	RNAV (GPS) Y RWY 18			KTIX	TITUSVILLE	FL (US)
IAP	RNAV (GPS) Y RWY 9			KTIX	TITUSVILLE	FL (US)
IAP	RNAV (GPS) Z RWY 9			KTIX	TITUSVILLE	FL (US)

REQUIRED CHARTING: IAP, CONTROLLER, EN ROUTE LOW, EN ROUTE HIGH

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 9 **DATE OF REVISION:** 09/20/2012

REASON FOR REVISION:
CHANGED FAC 1 FROM VRB VORTAC AND REPLACED WITH TRV VORTAC (FAC NAME/MAG VAR CHANGE).
CHANGED FAC 1 MAG BRG FROM 334.01 TO 337.01.
CHANGED FAC 4 MAG BRG FROM 324.01 TO 329.01.
CHANGED MLB ESV RADIAL FROM 324 TO 329.
CHANGED VRB VORTAC ESV TO TRV VORTAC (FAC NAME CHANGE) AND AMENDED RADIAL FROM 334 TO 337.
UPDATED FIX USE.

DEVELOPED BY: **DATE:** 04/05/2012 **OFFICE:** AJV-352 **NAME:** BRIAN SHAFFER

QUALITY CHECKED

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

SIGNATURE:

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

RADIO FIX AND HOLDING DATA RECORD

NAME: SANFORD NDB **STATE:** FL **COUNTRY:** US

LATITUDE/LONGITUDE: 284705.77N/0811435.97W **TYPE:**

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	SANFORD	SFB	NDB	MH							17500

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	SFB	NDB	265.00	085.00	L	1-1 1/2		4000	17500	4	16

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	TOWER (12-002092)	284321.00N/0812038.50W	454	3C

REASON FOR NONSTANDARD HOLDING:
PAT 1 ATC REQUEST

HOLDING RESTRICTIONS:
HOLDING LIMITED TO ESTABLISHED PATTERN.

REMARKS:
PRECIPITIOUS TERRAIN EVALUATION COMPLETED.
PRIOR COORDINATION REQUIRED WITH CONTROLLING AGENCY FOR HOLDING OVER R-2935.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	ILS OR LOC RWY 35L	1	1	KMCO	ORLANDO	FL (US)
IAP	ILS OR LOC RWY 35R	1	1	KMCO	ORLANDO	FL (US)
IAP	ILS RWY 35L (CAT II)	1	1	KMCO	ORLANDO	FL (US)
IAP	ILS RWY 35L (CAT III)	1	1	KMCO	ORLANDO	FL (US)
IAP	ILS RWY 35R (CAT II)	1	1	KMCO	ORLANDO	FL (US)
IAP	ILS RWY 35R (CAT III)	1	1	KMCO	ORLANDO	FL (US)
IAP	ILS RWY 9L	1		KSFB	ORLANDO	FL (US)
IAP	NDB RWY 27R	1		KSFB	ORLANDO	FL (US)
IAP	NDB RWY 9L	1		KSFB	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:
FAC LAT/LONG CHANGED DUE TO THIRD PARTY SURVEY (CHANGED BY 8.07')

DEVELOPED BY: **DATE:** 04/26/2012 **OFFICE:** AJV-352 **NAME:** BRIAN SHAFFER

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

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: EST
ARTCC: ZJX
ATC FACILITY: ORL APP CON, SFB ATC
OTHER:

QUALITY CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: SPURR **STATE:** FL **COUNTRY:** US

LATITUDE/LONGITUDE: 281957.47N/0811741.29W **TYPE:** WP, RADAR, 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-DDO	LOC/DME		185.47	179.47	6.33	6.34	38496	1600	4500

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

REMARKS:
FIX COORDINATES AT RNP PFAF LOCATION.
I-DDO DME COORDINATES: 282618.45N/0811748.12W

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	ILS OR LOC RWY 35L	1		KMCO	ORLANDO	FL (US)
IAP	ILS RWY 35L (CAT II)	1		KMCO	ORLANDO	FL (US)
IAP	ILS RWY 35L (CAT III)	1		KMCO	ORLANDO	FL (US)
IAP	RNAV (GPS) RWY 35L			KMCO	ORLANDO	FL (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

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

REASON FOR REVISION:
CHANGED FAC 1 MAG BRG FROM 184.47 TO 185.47.
UPDATED FIX USE.

DEVELOPED BY: **DATE:** 04/05/2012 **OFFICE:** AJV-352 **NAME:** BRIAN SHAFFER

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

SIGNATURE:

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

QUALITY CHECKED