Flight Procedure Tracking Form	Action: FLIGHT CHECK	Task Type: IAP	Date Open: 10/12/2010	Task #: 2008041414764713012	Request #: 20080414147647
Procedure: RNAV (GPS) RWY 35R AMDT 0B		Airport ID: KMCO	Airport: ORLANDO INTL		Reimbursable #:
City: ORLANDO	ST: FL	GPS #:		Estimated Chart Date: 09/20/2012	FICO #:
Fac ID:	Fac. Type: LPV	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

Remark Type: INFORMATION

Pkg 12 of 14

Procedure Comments:

ORLANDO, FL ORLANDO INTL (KMCO) RNAV (GPS) RWY 35R, ORIG-B ENROUTE-NO HARD DATE 9.20.12

ATTACHED FORMS: 8260-3; 8260-10; 8260-9; 8260-2(S): HEWES-INT, REV 2; KAKEY-INT, REV 2; ODDEL-INT, REV 4; SERAY-INT, REV 3.

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

WAAS CH 86314 W35A	APP CRS 004°	Rwy ldg 9000 TDZE 90 Apt Elev 96

AL-571 (FAA)

FIG

RNAV (GPS) RWY 35R

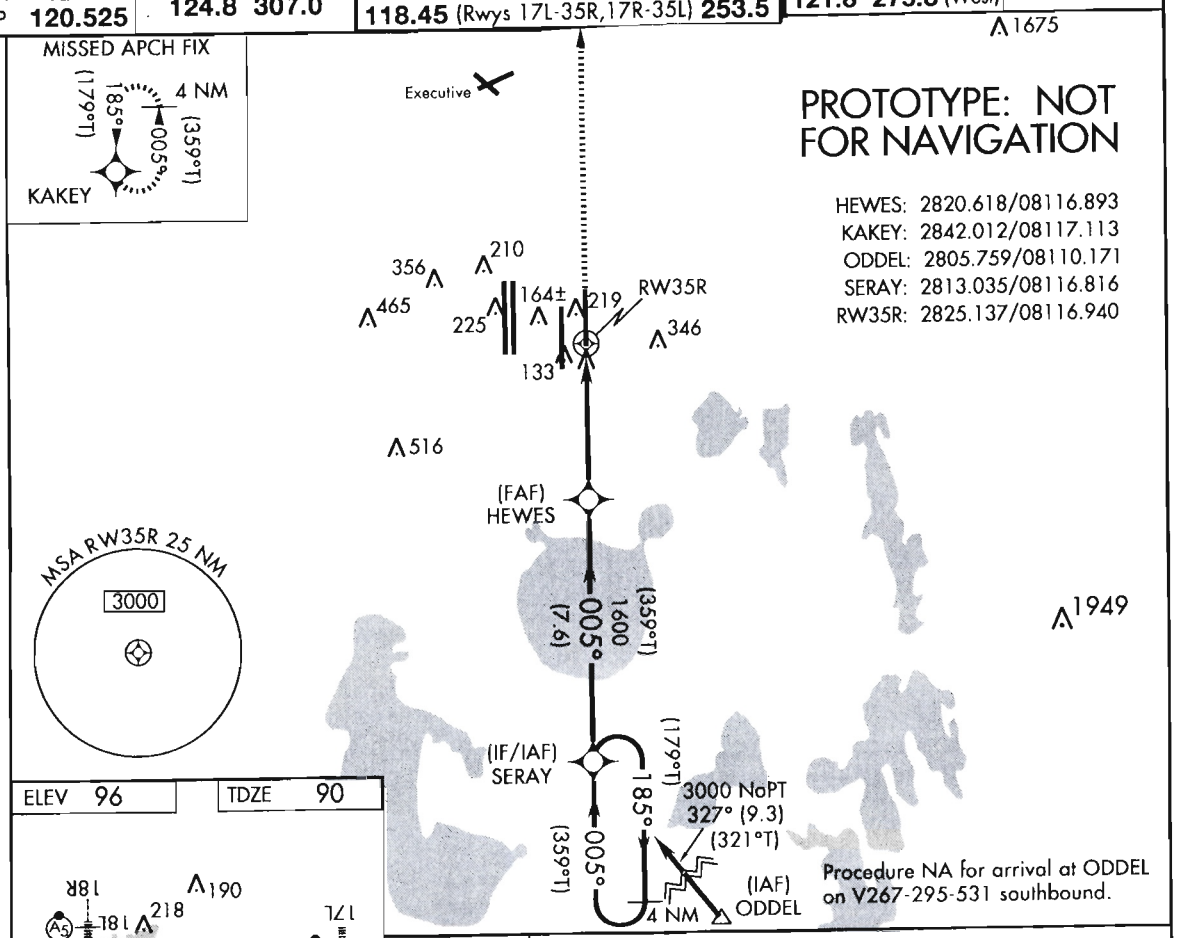
ORLANDO INTL (MCO)

For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -15°C (5°F) or above 48°C (118°F). DME/DME RNP-0.3 NA. Bright lights on highway midway between Rwy 35L and Rwy 35R may be mistaken for runway lights. For inoperative ALSF-2, increase LNAV Cat D visibility to RVR 6000. Simultaneous approach authorized with ILS or LOC Rwy 36R, ILS Rwy 36R (Cat II), ILS Rwy 36R (Cat III). LNAV procedure NA during simultaneous operations. Use of FD or AP providing RNAV track guidance required during simultaneous operations.

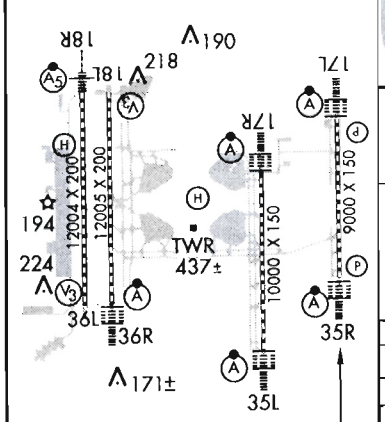
ALSF-2

MISSED APPROACH: Climb to 4000 direct KAKEY and hold, continue climb-in-hold to 4000.

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



ELEV 96 | TDZE 90



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

005° to RW35R

4000 | KAKEY

VGSI and RNAV glidepath not coincident.

*LNAV only

*0.9 NM to RW35R

HEWES 1600 (359°T) 005°

SERAY (179°T) 4 NM Holding Pattern 185° 3000 005° (359°T)

1600

RW35R

GS 3.00° TCH 57

0.9 | 3.6 NM | 7.6 NM

CATEGORY	A	B	C	D
LPV DA	290/24 200 (200-½)			
LNAV/VNAV DA	537/50 447 (500-1)			
LNAV MDA	460/24 370 (400-½)			460/50 370 (400-1)
CIRCLING	740-1 644 (700-1)		740-1¾ 644 (700-1¾)	740-2 644 (700-2)

28°26'N-81°19'W

ORLANDO INTL (MCO)
RNAV (GPS) RWY 35R

OND

RNAV (GPS) Y RWY 35R
ORLANDO INTL (MCO)

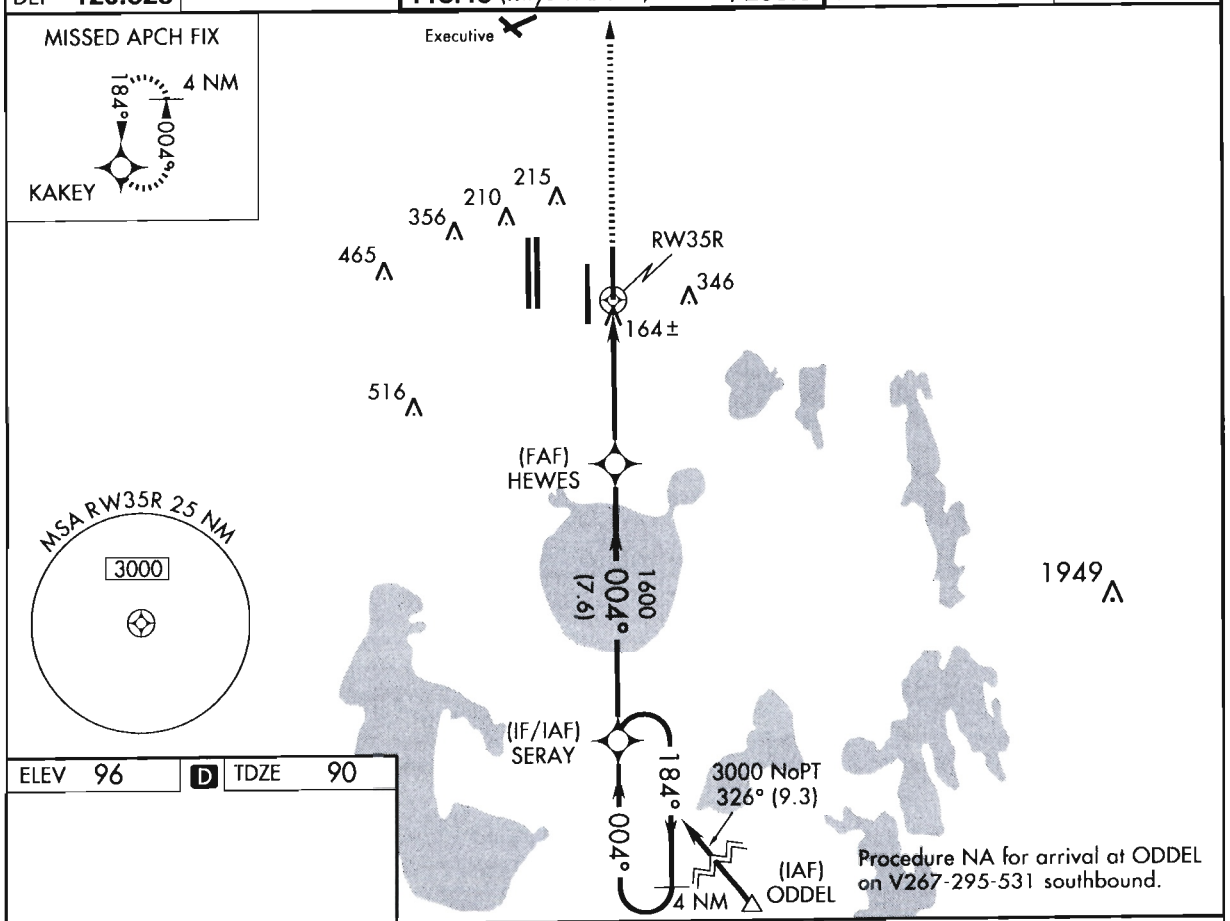
WAAS CH 86314 W35A	APP CRS 004°	Rwy ldg 9000 TDZE 90 Apt Elev 96

For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -15°C (5°F) or above 48°C (118°F). DME/DME RNP-0.3 NA. Bright lights on highway midway between Rwy 35L and Rwy 35R may be mistaken for runway lights. For inoperative ALSF-2, increase LNAV Cat D visibility to RVR 6000. Simultaneous approach authorized with ILS or LOC Rwy 36R, ILS Rwy 36R (Cat II), ILS Rwy 36R (Cat III). LNAV procedure NA during simultaneous operations. Use of FD or AP providing RNAV track guidance required during simultaneous operations.

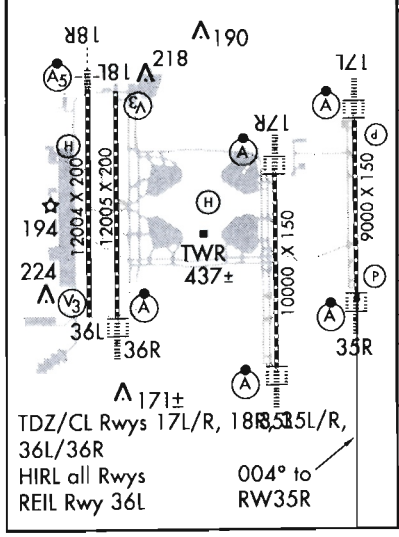
ALSF-2

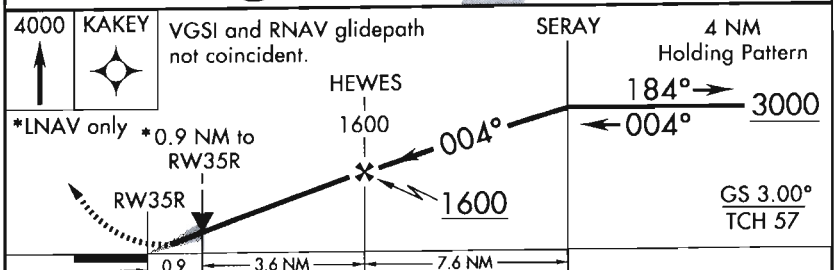
MISSED APPROACH: Climb to 4000 direct KAKEY and hold, continue climb-in-hold to 4000.

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



ELEV 96 | D | TDZE 90





CATEGORY	A	B	C	D
LPV DA	290/24 200 (200-½)			
LNAV/VNAV DA	537/50 447 (500-1)			
LNAV MDA	460/24 370 (400-½)			460/50 370 (400-1)
CIRCLING	740-1 644 (700-1)		740-1¾ 644 (700-1¾)	740-2 644 (700-2)

SE-3, 05 APR 2012 to 03 MAY 2012

SE-3, 05 APR 2012 to 03 MAY 2012

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
ODDEL (IAF)	SERAY (NOPT) (FB)	327.04 / 9.34	3000
SERAY (IF/IAF)	HEWES (FB)	005.48 / 7.56	1600
HEWES (FAF)	RW35R (MAP) (FO)	005.48 / 4.51	
RW35R (MAP)	290 MSL	005.48	
290 MSL	KAKEY (FO)		4000

MISSED APPROACH

LPV: DA
LNAV/VNAV: DA
LNAV: RW35R

CLIMB TO 4000 DIRECT KAKEY AND HOLD, CONTINUE CLIMB-IN-HOLD TO 4000.

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. HOLD S SERAY, RT, 005.48 INBOUND, 3000 FT. IN LIEU OF PT (IAF)
3. FAC: 005.48 FAF: HEWES DIST FAF TO MAP: 4.51 THLD: 4.51
4. MIN. ALT: SERAY 3000, HEWES 1600
5. DIST TO THLD FROM OM: ____ MM: ____ IM: ____ 150 HAT: ____ 100 HAT: ____ GS ANT: ____
6. MIN GS INCPT: 1600 GS ALT AT: HEWES 1600 OM: ____ MM: ____ IM: ____
7. GS ANGLE: 3.00 TCH: 57.0 34:1 IS CLEAR
8. MSA FROM: RW35R 3000

ADDITIONAL FLIGHT DATA:
HOLD N, LT, 185.48 INBOUND.
CHART FAS OBST: 164 TREE 282429N/0811656W
DISTANCE TO THLD FROM 200 HAT: 0.45 NM.
CHART VDP AT 0.93 MILES TO RW35R*
*LNAV ONLY.
WAAS CHANNEL # 86314
REFERENCE PATH ID: W35A
CHART IN PLANVIEW: EXECUTIVE AIRPORT
LTP HAE: -.5 M

MAG VAR: 6W EPOCH YEAR: 2015

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	290	2400	200	290	2400	200	290	2400	200	290	2400	200			
LNAV/VNAV DA	537	5000	447	537	5000	447	537	5000	447	537	5000	447			
LNAV MDA	460	2400	370	460	2400	370	460	2400	370	460	5000	370			
CIRCLING	740	1	644	740	1	644	740	1 3/4	644	740	2	644			

NOTES:
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -15C (5F) OR ABOVE 48C (118F).
CHART NOTE: DME/DME RNP-0.3 NA.
CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT.
CHART NOTE: BRIGHT LIGHTS ON HIGHWAY MIDWAY BETWEEN RWY 35L AND RWY 35R MAY BE MISTAKEN FOR (SEE FORM 8260-10)

QUALITY A CHECKED

CITY AND STATE	ELEVATION: 96 TDZE: 90	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP: RNAV (GPS) Y RWY 35R
ORLANDO, FL	AIRPORT NAME: ORLANDO INTL	RNAV	RNAV (GPS) RWY 35R, ORIG-B, 09/20/2012	AMDT: ORIG-A
				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, ORLANDO APP CON, MCO ATCT, ARPT MGR

FLIGHT CHECKED BY		
NAME:	FIFO	DATE:

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

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

CHANGES:

1. CHANGED FINAL COURSE FROM 004.48 TO 005.48.
2. CHANGED COURSE FROM ODDEL TO SERAY FROM 326 TO 327.
3. REMOVED "Y" SUFFIX FROM PROCEDURE NAME (FAS DATA CHANGE).

REASONS:

1,2. AIRPORT MAG VAR CHANGED FROM 5W TO 6W.
3. RNP PROCEDURE TO RWY 35R CANCELLED.

PDF EDITS:

8260-3:
1. ADDED "(FAF)" FOLLOWING HEWES FIX IN TERMINAL ROUTES FROM COLUMN.
2. CORRECTED ALTITUDE FROM 290 TO 4000 IN TERMINAL ROUTES MISSED APPROACH 290 MSL TO KAKEY SEGMENT ALTITUDE COLUMN.
3. ADDED "FLIGHT CHECK BY" INFORMATION.

8260-10:
1. DELETED "020" FROM MISSED APPROACH SEGMENT (LINE 11, COLUMN 45-47).
2. DELETED "020" FROM MISSED APPROACH 060 SEQUENCE ON ARINC FLIGHT INSPECTION SUMMARY.

QUALITY 4 CHECKED

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.):
RUNWAY LIGHTS.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL AT ODDEL ON V267-295-531 SOUTHBOUND.
CHART NOTE: USE OF FD OR AP PROVIDING RNAV TRACK GUIDANCE REQUIRED DURING SIMULTANEOUS OPERATIONS.

CHART NOTE: SIMULTANEOUS APPROACH AUTHORIZED WITH ILS OR LOC RWY 36R, ILS RWY 36R (CAT II), ILS RWY 36R (CAT III).
CHART NOTE: LNAV PROCEDURE NA DURING SIMULTANEOUS OPERATIONS.
CHART NOTE: FOR INOPERATIVE ALSF-2, INCREASE LNAV CAT D VISIBILITY TO RVR 6000.

QUALITY 4 CHECKED

CITY AND STATE	ELEVATION: 96 TDZE: 90	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP: RNAV (GPS) Y RWY 35R
ORLANDO, FL	AIRPORT NAME: ORLANDO INTL	RNAV	RNAV (GPS) RWY 35R, ORIG-B, 09/20/2012	AMDT: ORIG-A
				DATED: 04/05/2012

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:

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.

FAS DATA BLOCK INFORMATION

DATA FIELD	DATA
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KMCO
RUNWAY	RW35R
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W35A
LTP/FTP LATITUDE	282508.1985N
LTP/FTP LONGITUDE	0811656.3785W
LTP/FTP ELLIPSOIDAL HEIGHT	-00005
FPAP LATITUDE	282637.8000N
FPAP LONGITUDE	0811657.3000W
THRESHOLD CROSSING HEIGHT (TCH)	00057.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0016
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	35.0
CRC REMAINDER	CF72DD6E

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K7
LTP ORTHOMETRIC HEIGHT	+00273
FPAP ORTHOMETRIC HEIGHT	+00273

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:

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   HEWES K70    C     N28203706W081165360                     W0059     NAR           HEWES
        SUSAEAENRT   KAKEY K70    C     N28420069W081170679                     W0060     NAR           KAKEY
        SUSAEAENRT   ODDEL K70    C   L N28054551W081101024                     W0060     NAR           ODDEL
        SUSAEAENRT   SERAY K70    C     N28130210W081164894                     W0059     NAR           SERAY

                 1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        --------------------------------------------------------------------------------------------------------------------------------
        SUSAP KMCOK7AMCO     0     120YHN28254582W081183238W006000096         1800018000C    MNAR    ORLANDO INTL

                 1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        --------------------------------------------------------------------------------------------------------------------------------
        SUSAP KMCOK7FR35R  AODDEL 010ODDELK7EA0E  A    IF                                          18000                A JS
        SUSAP KMCOK7FR35R  AODDEL 020SERAYK7EA0EE B 010TF                     32700093    + 03000                         A JS
        SUSAP KMCOK7FR35R  ASERAY 010SERAYK7EA0EE AR   HF                     00550040    + 03000     18000               A JS
        SUSAP KMCOK7FR35R  R      010SERAYK7EA0E  I    IF                                + 03000     18000               A JS
        SUSAP KMCOK7FR35R  R      020HEWESK7EA1E  F 051TF                     00550076    + 01600                 RW35R K7PGA JS
        SUSAP KMCOK7FR35R  R      020HEWESK7EA2WALPV       ALNAV/VNAV ALNAV                                                JS
        SUSAP KMCOK7FR35R  R      030RW35RK7PG0GY M 031TF                     00550045      00147             -300        A JS
        SUSAP KMCOK7FR35R  R      040         0  M     CA                     0055        + 00290                         A JS
        SUSAP KMCOK7FR35R  R      050KAKEYK7EA0EY      DF                                + 04000                         A JS
        SUSAP KMCOK7FR35R  R      060KAKEYK7EA0EE  L   HM                     18550040    + 04000                         A JS

                 1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY  123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        --------------------------------------------------------------------------------------------------------------------------------
        SUSAP KMCOK7GRW35R   0090000055 N28250820W081165638+0000    -0000500090000057150I

                 1         2         3         4         5         6         7         8         9         0         1         2         3
PP      123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        --------------------------------------------------------------------------------------------------------------------------------
        SUSAP KMCOK7PR35R  RW35R001 0000W35A0N2825081985W08116563785-000050300N2826378000W0811657300010675001600057 0F400350CF72DD6E
        SUSAP KMCOK7PR35R  RW35R002E      +00273+00273LPV       86314

                 1         2         3         4         5         6         7         8         9         0         1         2         3
MSA     123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        --------------------------------------------------------------------------------------------------------------------------------
        SUSAP KMCOK7SRW35RK7PG                0   18018003025                                                                      M
```

CITY AND STATE	ELEVATION: 96 TDZE: 90	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP: RNAV (GPS) Y RWY 35R
ORLANDO, FL	AIRPORT NAME: ORLANDO INTL	RNAV	RNAV (GPS) RWY 35R, ORIG-B	AMDT: ORIG-A
				DATED: 04/05/2012

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:

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 SUMMARY - 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
	ODDEL	ODDEL	010	IAF	IF		FB					
	ODDEL	SERAY	020		TF		FB	1.0	327.0(321.0T)	009.3	AA 03000	
	SERAY	SERAY	010	IAF	HF	R	FO		005.5(359.5T)	004.0	AA 03000	
		SERAY	010	FACF	IF		FB				AA 03000	
		HEWES	020	FAF	TF		FB	0.5	005.5(359.5T)	007.6	AA 01600	
		RW35R	030	MAP	TF		FO	0.3	005.5(359.5T)	004.5	AT 00147	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		005.5(359.5T)		AA 00290	
	KAKEY	050		DF		FO				AA 04000	
	KAKEY	060		HM	L	FO		185.5(179.5T)	004.0	AA 04000	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	HEWES	N282037.06	W0811653.60	N2820.618	W08116.893
	KAKEY	N284200.69	W0811706.79	N2842.012	W08117.113
	ODDEL	N280545.51	W0811010.24	N2805.759	W08110.171
	SERAY	N281302.10	W0811648.94	N2813.035	W08116.816
	RW35R	N282508.20	W0811656.38	N2825.137	W08116.940

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW35R	00090	57

CITY AND STATE	ELEVATION: 96 TDZE: 90	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP: RNAV (GPS) Y RWY 35R
ORLANDO, FL	AIRPORT NAME: ORLANDO INTL	RNAV	RNAV (GPS) RWY 35R, ORIG-B	AMDT: ORIG-A
				DATED: 04/05/2012

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.
INITIAL	ODDEL	SERAY	1. TOWER (12-004624)	281028.20N/0811700.10W	580 (2C)	1000	AT1420	3000
			2. TERRAIN	280815.00N/0810651.00W	99 (100)		AS1500	1600
INTERMEDIATE	SERAY (IF/IAF)	HEWES	3. TOWER (12-003440)	281653.12N/0811941.31W	394 (1A)	500		900
			4. TERRAIN	281457.00N/0811654.00W	96 (100)		AS1500	1600
FINAL: LPV	HEWES	RW35R				ASC		290/200
FINAL: LNAV/VNAV	HEWES	RW35R	5. TREE (KMCOO095)	282428.52N/0811655.97W	164 (1A)	23.4:1	MA106	537/447
FINAL: LNAV	HEWES	RW35R	5. TREE (KMCOO095)	282428.52N/0811655.97W	164 (1A)	250	MA29	460
2. HOLD-IN-LIEU-OF-PT	SERAY	P-5	1. TOWER (12-004624)	281028.20N/0811700.10W	580 (2C)	1000	AT1420	3000
			6. TERRAIN	281245.00N/0811103.00W	99 (100)		AS1500	1600
3. MISSED APPROACH MAP:	DA / DA / RW35R	KAKEY	7. CTRL TWR (12-	282535.00N/0811828.00W	437 (1A)	ASC		4000
			8. TOWER (12-002038)	283045.70N/0811412.00W	502 (2C)	1000		1600
ELEV:	121/251/210		9. TERRAIN	283112.00N/0811857.00W	148 (100)		AS1500	1600

4. CIRCLING AREA	DISTANCE	HT. ABV. ARPT. REQUIRED	HT. ABV. ARPT. ACTUAL							
CATEGORY A	1.3 NM	350	644	7. C-TWR (12-004633)	282535.00N/0811828.00W	437 (1A)	300		740
CATEGORY B	1.5 NM	450	644	7. C-TWR (12-004633)	282535.00N/0811828.00W	437 (1A)	300		740
CATEGORY C	1.7 NM	450	644	7. C-TWR (12-004633)	282535.00N/0811828.00W	437 (1A)	300		740
CATEGORY D	2.3 NM	550	644	7. C-TWR (12-004633)	282535.00N/0811828.00W	437 (1A)	300		740
CATEGORY E	4.5 NM	550							

5. MINIMUM SAFE ALTITUDES — PRIMARY NAVAID: RW35R

SECTOR	OBSTRUCTION	BRG/DIST	ELEVATION (MSL)	M S A	SECTOR	OBSTRUCTION	BRG/DIST	ELEVATION (MSL)	M S A
360-360	TWR (12-004140)	126/ 16.1	1949 (2C)	3000					

QUALITY CHECKED

CITY AND STATE	ELEVATION: 96 / AIRPORT NAME:	FACILITY	PROCEDURE AND AMENDMENT NO:	REGION
ORLANDO, FL	ORLANDO INTL	RNAV	RNAV (GPS) RWY 35R, ORIG-B, 09/20/2012	ASO

PART B - SUPPLEMENTAL DATA

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

4. MONITOR STATUS	PRIMARY NAVAID:	
	MONITOR POINT:	
	HRS OPTN: CAT 1	
	HRS OPTN: 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: 89.7
	DISTANCE FROM RWY:	ELEV GP ANTENNA:
		THRESHOLD CROSSING HEIGHT: 57.0
9. FINAL APPROACH COURSE AIMING	X	RUNWAY THRESHOLD — FT. FROM THRESHOLD
	X	ON CENTERLINE — FT. FROM CENTERLINE

10. WAIVERS: NONE

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

PART C - REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED.

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

VGSI DATA: 3.00/72.9

NO ADDITIONAL AIRSPACE REQUIRED.

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

MISSED ADJ AND CIRCLING OBST (#7) UTLIZE 1A AC PER FPO.

SLOPES:
LPV INNER = 34:1
LPV OUTER = 34:1
LNAV/VNAV INNER = 23.4:1
LNAV/VNAV OUTER = 34:1

LNAV/VNAV ISA DEVIATION = -30

TAA NOT DEVELOPED PER FPO AND ATC.

OBST KMCOO067 141 TREE 282449.06N/0811655.92W AND KMCOO068 141 MSL TREE 282449.05N/0811655.93W VERIFIED REMOVED BY APT AND FPO.
OBSTRUCTIONS REMOVED DURING CLEARING FOR APPROACH LIGHT INSTALLATION AND 50:1 RUNWAY PROTECTION ZONE PER ORLANDO ADO/JACKMAN AND KMCO FOURTH RUNWAY PROJECT ENGINEER/CARLSON 6/20/2003, REVERIFIED BY FPO/APT.
KMCOO010 132 MSL TREE
KMCOO013 167 MSL TREE
KMCOO014 177 MSL TREE
KMCOO015 177 MSL TREE
KMCOO016 155 MSL TREE
KMCOO017 175 MSL TREE
KMCOO018 172 MSL TREE
KMCOO020 138 MSL TREE
KMCOO021 176 MSL TREE
KMCOO023 166 MSL TREE
KMCOO024 173 MSL TREE
KMCOO026 167 MSL TREE
KMCOO027 168 MSL TREE
KMCOO028 175 MSL TREE
KMCOO029 170 MSL TREE
KMCOO030 172 MSL TREE
KMCOO031 168 MSL TREE
KMCOO033 170 MSL TREE
KMCOO034 171 MSL TREE
KMCOO037 180 MSL TREE
KMCOO055 125 MSL TREE
KMCOO063 130 MSL TREE
KMCOO065 131 MSL TREE
KMCOO067 141 MSL TREE
KMCOO068 141 MSL TREE
KMCOO072 134 MSL TREE
KMCOO074 150 MSL TREE
KMCOO075 151 MSL TREE
KMCOO076 151 MSL TREE
KMCOO078 146 MSL TREE

QUALITY A CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: HEWES **STATE:** FL **COUNTRY:** US

LATITUDE/LONGITUDE: 282037.06N/0811653.60W **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-CER	LOC/DME		185.48	179.48	6.17	6.16	37436	1600	4500

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

REMARKS:
FIX COORDINATES AT RNP PFAF LOCATION.
I-CER DME COORDINATES: 282648.23N/0811652.81N

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	ILS OR LOC RWY 35R	1		KMCO	ORLANDO	FL (US)
IAP	ILS RYW 35R (CAT II)	1		KMCO	ORLANDO	FL (US)
IAP	RNAV (GPS) RWY 35R			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 184.48 TO 185.48 (MAG VAR CHANGE).
UPDATED FIX USE.

DEVELOPED BY: **DATE:** 04/10/2012 **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 4 CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: KAKEY **STATE:** FL **COUNTRY:** US

LATITUDE/LONGITUDE: 284200.69N/0811706.79W **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-ARK	LOC/DME		005.48	359.48	17.00	17.00		1500	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	N		WP	005.48	185.48	L		4	4000	10000	5	10

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	TOWER (12-000366)	284250.12N/0812034.39W	562	1A
1	310	TOWER (12-001568)	285618.00N/0811857.00W	1740	3C

REASON FOR NONSTANDARD HOLDING:
PAT 1 ATC REQUEST FOR SEPARATION

HOLDING RESTRICTIONS:
HOLDING LIMITED TO ESTABLISHED PATTERN.

PROCEDURES REQUIRING CLIMB-IN-HOLD:

PAT	PROCEDURE TITLE	AIRPORT IDENT	CITY	STATE
1	RNAV (GPS) RWY 35R	KMCO	ORLANDO	FL (US)

REMARKS:
I-ARK DME COORDINATES: 282458.00N-0811651.68W
PRECIPITIOUS TERRAIN EVALUATION COMPLETED.
1500 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 17L	1		KMCO	ORLANDO	FL (US)
IAP	ILS RWY 17L (CAT II)	1		KMCO	ORLANDO	FL (US)
IAP	RNAV (GPS) RWY 17L			KMCO	ORLANDO	FL (US)
IAP	RNAV (GPS) RWY 35R		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:
1. CHANGED FAC 1 MAG BRG FROM 004.48 TO 005.48 DUE TO MAGVAR CHANGE FROM 5W TO 6W.
2. CHANGED PAT 1 RAD/CRS/BRG AND CRS INBOUND 004.48/184.48 TO 005.48/185.48 DUE TO MAGVAR CHANGE FROM 5W TO 6W.
3. UPDATED FIX USE.

DEVELOPED BY: **DATE:** 03/29/2012 **OFFICE:** AJV-352 **NAME:** GEORGE TRAMMELL

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: ODDEL **STATE:** FL **COUNTRY:** US

LATITUDE/LONGITUDE: 280545.51N/0811010.24W **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	LAKELAND	LAL	VORTAC	H	080.46	081.46	45.31	45.31		2600	17500
2	MELBOURNE	MLB	VOR/DME	L	276.00	269.00	28.35	28.35		2600	17500
3	ORLANDO	ORL	VORTAC	H	161.81	161.81	28.13	28.13		2600	17500

EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
LAL	VORTAC	R-080	46	2600	14500

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

REMARKS:
LAKELAND (FAC 1) AND MELBOURNE (FAC 2) AND ORLANDO (FAC 3) USED TO ESTABLISH FIX COORDINATES

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
EN ROUTE	V267, V295, V441, V531	1, 2, 3				FL (US)
IAP	RNAV (GPS) RWY 24			KX07	LAKE WALES	FL (US)
IAP	RNAV (GPS) RWY 35L			KMCO	ORLANDO	FL (US)
IAP	RNAV (GPS) RWY 35R			KMCO	ORLANDO	FL (US)
STAR	GOOFY	1, 2, 3		KX04	APOPKA	FL (US)
STAR	GOOFY	1, 2, 3		KLEE	LEESBURG	FL (US)
STAR	GOOFY	1, 2, 3		KISM	ORLANDO	FL (US)
STAR	GOOFY	1, 2, 3		KMCO	ORLANDO	FL (US)
STAR	GOOFY	1, 2, 3		KORL	ORLANDO	FL (US)
STAR	GOOFY	1, 2, 3		KSFB	ORLANDO	FL (US)

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

COMPULSORY REPORTING POINT: NO

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

REASON FOR REVISION:
UPDATED FAC 1-3 TO CURRENT AVNIS DATA.
MADE FAC 1-3 COORD FACS.
UPDATED FIX USE.
UPDATED DISTRIBUTION.

DEVELOPED BY: **DATE:** 04/05/2012 **OFFICE:** AJV-352 **NAME:** DONALD SMITH (WES COMBS)

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

SIGNATURE:

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

QUALITY CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: SERAY **STATE:** FL **COUNTRY:** US

LATITUDE/LONGITUDE: 281302.10N/0811648.94W **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-CER	LOC/DME		185.48	179.48	13.73	13.72		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	185.48	005.48	R		4	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:
I-CER DME COORDINATES: 282648.23N/0811653.81W
PRECIPITIOUS TERRAIN EVALUATION COMPLETED.
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 35R	1		KMCO	ORLANDO	FL (US)
IAP	RNAV (GPS) RWY 17L		1	KMCO	ORLANDO	FL (US)
IAP	RNAV (GPS) RWY 35R			KMCO	ORLANDO	FL (US)
STAR	BAIRN (RNAV)			KMCO	ORLANDO	FL (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

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

REASON FOR REVISION:
CHANGED FAC 1 MAG BRG FROM 184.48 TO 185.48 (MAG VAR CHANGE).
CHANGED HOLD PAT 1 CRS INBOUND & RAD/CRS/BRG FROM 004.48/184.48 TO 005.48/185.48.
UPDATED FIX USE.

DEVELOPED BY: **DATE:** 04/10/2012 **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 4 CHECKED