

RADIO FIX AND HOLDING DATA RECORD

NAME: AMEBE

STATE: FL

COUNTRY: US

ICAO REGION CODE: K7

LATITUDE/LONGITUDE: 281554.68N/0811930.08W

TYPE: WP, DME

AIRSPACE DOCKET:

FIX TYPE OF ACTION: MODIFY

FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM NM	FAC FEET	MRA	MAA
1	ORLANDO	I-MCO	LOC/DME		185.46	179.46	11.08	11.08		1600	4500

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	ILS OR LOC RWY 36L	1		KMCO	ORLANDO	FL (US)
IAP	RNAV (GPS) RWY 36L			KMCO	ORLANDO	FL (US)
STAR	GRNCH (RNAV)			KMCO	ORLANDO	FL (US)
STAR	JAFAR (RNAV)			KMCO	ORLANDO	FL (US)

REQUIRED CHARTING: STAR, IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 4

DATE OF REVISION: 11/27/2025

REASON FOR REVISION:

1. TYPE: ADDED DME.
2. FIX MAKE-UP FACILITIES: ADDED FAC 1 ORLANDO I-MCO LOC/DME.
3. FIX USE: ADDED ILS OR LOC RWY 36L AT KMCO.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A431

NAME: BRYANT SMITH

APPROVED BY:

DATE: 10/23/2025

OFFICE: AJV-A431

NAME: ROBERT HAMILTON

SIGNATURE:

Digitally signed by
ROBERT G HAMILTON
Jul 25, 2025

QUALITY
6
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: BERDY

STATE: FL

COUNTRY: US

ICAO REGION CODE: K7

LATITUDE/LONGITUDE: 282019.66N/0811932.87W

TYPE: WP, DME

AIRSPACE DOCKET:

FIX TYPE OF ACTION: MODIFY

FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM FAC NM	FAC FEET	MRA	MAA
1	ORLANDO	I-MCO	LOC/DME		185.46	179.46	6.68	6.68	40566	1600	4500

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	ILS OR LOC RWY 36L	1		KMCO	ORLANDO	FL (US)
IAP	RNAV (GPS) RWY 36L			KMCO	ORLANDO	FL (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 6

DATE OF REVISION: 11/27/2025

REASON FOR REVISION:

1. LATITUDE/LONGITUDE: UPDATED, MOVED TO ALIGN WITH MCO ILS RWY 36L DESIGN TCH 3.00/51.3.
2. TYPE: ADDED DME.
3. FIX MAKE-UP FACILITIES: ADDED FAC 1 ORLANDO I-MCO LOC/DME.
4. FIX USE: ADDED ILS OR LOC RWY 36L AT KMCO.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A431

NAME: BRYANT SMITH

APPROVED BY:

DATE: 10/23/2025

OFFICE: AJV-A431

NAME: ROBERT HAMILTON

SIGNATURE:

Digitally signed by
ROBERT G HAMILTON
Jul 25, 2025

QUALITY
6
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: CAMBE

STATE: FL

COUNTRY: US

ICAO REGION CODE: K7

LATITUDE/LONGITUDE: 281857.76N/0813646.18W

TYPE: WP, INT, DME

AIRSPACE DOCKET:

FIX TYPE OF ACTION: NO CHANGE

FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM FAC NM	MRA	MAA
1	ORLANDO	ORL	VORTAC	VH	227.36	227.36	20.00	20.00	2000	17500
2	MELBOURNE	MLB	VOR/DME	VL	290.91	283.91		53.33	4000	17500
3	LAKELAND	LAL	VORTAC	VH	046.05	047.05	29.02	29.02	2000	17500

EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
MLB	VOR/DME	R-291	54	4000	17500

FIX RESTRICTIONS:

MRA ALL 4000

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

PATTERNS:

PAT	DIR	IDENT	TYPE	RAD/CRS/BRG	CRS INBOUND	TURN (L OR R)	LEG LENGTH TIME	DME	HOLDING ALTITUDES MIN	MAX	TEMPLATES MIN	MAX
1	SW	ORL	VORTAC	227.36	047.36	R	1		2000	17500	5	17
2	SW		WP	227.36	047.36	R		4	2000	6000	4	12
3	SW	LAL	VORTAC	226.05	046.05	R	1		4000	17500	5	17

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	TOWER (12-003543)	281300.06N/0813855.52W	570	1A
1	310	TOWER (12-002751)	280507.58N/0814912.24W	651	2C
2	200	TOWER (12-003543)	281300.06N/0813855.52W	570	1A
2	310	TOWER (12-002269)	280736.00N/0813302.00W	1133	5D
3	200	TOWER (12-003543)	281300.06N/0813855.52W	570	1A
3	310	TOWER (12-002751)	280507.58N/0814912.24W	651	2C

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERNS.

PROCEDURES REQUIRING CLIMB-IN-HOLD:

PAT	PROCEDURE TITLE	AIRPORT IDENT	CITY	STATE
2	RNAV (GPS) RWY 18R	KMCO	ORLANDO	FL (US)
2	RNAV (GPS) RWY 18L	KMCO	ORLANDO	FL (US)
3	ILS OR LOC RWY 36R (ALT MISS)	KMCO	ORLANDO	FL (US)
3	ILS OR LOC RWY 18R (ALT MISS)	KMCO	ORLANDO	FL (US)
3	ILS OR LOC RWY 36L (ALT MISS)	KMCO	ORLANDO	FL (US)
3	ILS RWY 36R (CAT II-III)(ALT MISS)	KMCO	ORLANDO	FL (US)
3	ILS RWY 36R (SA CAT I)(ALT MISS)	KMCO	ORLANDO	FL (US)

REMARKS:

ORLANDO (FAC 1) AND MELBOURNE (FAC 2) USED TO ESTABLISH FIX COORDINATES.
PRECIPITOUS TERRAIN EVALUATION COMPLETED
MRA FLAG BASED ON FLIGHT CHECK EVALUATION OF MLB RECEPTION

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
EN ROUTE	V533	1, 2, 3	1			(US)
IAP	RNAV (GPS) RWY 33		2	KISM	ORLANDO	FL (US)
IAP	ILS OR LOC RWY 18R	1, 2	1	KMCO	ORLANDO	FL (US)
IAP	ILS OR LOC RWY 18R (ALT MISS)	2, 3	3	KMCO	ORLANDO	FL (US)
IAP	ILS OR LOC RWY 36L (ALT MISS)	3	3	KMCO	ORLANDO	FL (US)
IAP	ILS OR LOC RWY 36R (ALT MISS)	3	3	KMCO	ORLANDO	FL (US)
IAP	ILS RWY 36R (CAT II-III)(ALT MISS)	3	3	KMCO	ORLANDO	FL (US)
IAP	ILS RWY 36R (SA CAT I)(ALT MISS)	3	3	KMCO	ORLANDO	FL (US)
IAP	RNAV (GPS) RWY 18L		2	KMCO	ORLANDO	FL (US)
IAP	RNAV (GPS) RWY 18R		2	KMCO	ORLANDO	FL (US)

REQUIRED CHARTING: IAP, EN ROUTE LOW, CONTROLLER LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 12

DATE OF REVISION: 11/27/2025

REASON FOR REVISION:

1. FIX USE: ADDED ILS OR LOC RWY 36L (ALT MISS) AT KMCO.



INITIATED BY:	DATE:	ORGANIZATION:	NAME:
OFFICE OF PRIMARY RESPONSIBILITY:		AJV-A431	NAME: BRYANT SMITH
APPROVED BY:	DATE: 10/23/2025	OFFICE: AJV-A431	NAME: ROBERT HAMILTON
	SIGNATURE:		<i>Digitally signed by</i> ROBERT G HAMILTON Jul 25, 2025



RADIO FIX AND HOLDING DATA RECORD

NAME: DNMOR

STATE: FL

COUNTRY: US

ICAO REGION CODE: K7

LATITUDE/LONGITUDE: 283016.33N/0812623.38W

TYPE: WP, RADAR, INT, DME

AIRSPACE DOCKET:

FIX TYPE OF ACTION: NO CHANGE

FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM FAC NM	FEET	MRA	MAA
1	ORLANDO	I-ORL	LOC		252.70	246.70		6.87	41769	2000	4600
2	ORLANDO	ORL	VORTAC	VH	247.61	247.61	5.99	5.99		2000	4600

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

PATTERNS:

PAT	DIR	IDENT	TYPE	RAD/CRS/BRG	CRS INBOUND	TURN (L OR R)	LEG TIME	LENGTH DME	HOLDING MIN	ALTITUDES MAX	TEMPLATES MIN	MAX
1	W	ORL	VORTAC	247.61	067.61	R	1		3000	5000	4	12
2	W		WP	249.70	069.70	R		4	3000	5000	5	13

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	AMUSEMENT PARK_STRUCTURE (12-113863)	282641.39N/0812812.65W	578	4D
1	310	TOWER (12-000541)	283333.53N/0813538.23W	950	1A
2	200	AMUSEMENT PARK_STRUCTURE (12-113863)	282641.39N/0812812.65W	578	4D
2	310	TOWER (12-000541)	283333.53N/0813538.23W	950	1A

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERNS.

PROCEDURES REQUIRING CLIMB-IN-HOLD:

PAT	PROCEDURE TITLE	AIRPORT IDENT	CITY	STATE
1	ILS OR LOC RWY 36L	KMCO	ORLANDO	FL (US)
1	ILS RWY 36R (CAT II-III)	KMCO	ORLANDO	FL (US)
1	ILS OR LOC RWY 36R	KMCO	ORLANDO	FL (US)
1	ILS RWY 36R (SA CAT I)	KMCO	ORLANDO	FL (US)
2	RNAV (GPS) RWY 36L	KMCO	ORLANDO	FL (US)

REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED.
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 36L	2	1	KMCO	ORLANDO	FL (US)
IAP	ILS OR LOC RWY 36R	2	1	KMCO	ORLANDO	FL (US)
IAP	ILS RWY 36R (CAT II-III)	2	1	KMCO	ORLANDO	FL (US)
IAP	ILS RWY 36R (SA CAT I)	2	1	KMCO	ORLANDO	FL (US)
IAP	RNAV (GPS) RWY 36L		2	KMCO	ORLANDO	FL (US)
IAP	RNAV (GPS) RWY 36R		2	KMCO	ORLANDO	FL (US)
IAP	ILS OR LOC RWY 7	1, 2		KORL	ORLANDO	FL (US)
IAP	RNAV (GPS) RWY 7			KORL	ORLANDO	FL (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 5

DATE OF REVISION: 11/27/2025

REASON FOR REVISION:

1. FIX USE: ADDED ILS OR LOC RWY 36L AT KMCO.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A431

NAME: BRYANT SMITH

APPROVED BY:

DATE: 10/23/2025

OFFICE: AJV-A431

NAME: ROBERT HAMILTON

SIGNATURE:

Digitally signed by

ROBERT G HAMILTON

Jul 25, 2025

QUALITY
6
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: EXBAN

STATE: FL

COUNTRY: US

ICAO REGION CODE: K7

LATITUDE/LONGITUDE: 281233.78N/0811927.78W

TYPE: WP, DME

AIRSPACE DOCKET:

FIX TYPE OF ACTION: MODIFY

FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM FAC NM	FEET	MRA	MAA
1	ORLANDO	I-MCO	LOC/DME		185.46	179.46	14.42	14.42		1600	4500

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

PATTERNS:

PAT	DIR	IDENT	TYPE	RAD/CRS/BRG	CRS INBOUND	TURN (L OR R)	LEG LENGTH DME	HOLDING ALTITUDES MIN	MAX	TEMPLATES MIN	MAX
1	S		WP	185.42	005.42	L	4	4000	10000	5	10

CONTROLLING OBSTRUCTIONS:

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

REASON FOR NONSTANDARD HOLDING:

PAT 1 ATC REQUIREMENT

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERN(S)

REMARKS:

PRECIPITIOUS TERRAIN EVALUATION COMPLETED.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	ILS OR LOC RWY 36L	1		KMCO	ORLANDO	FL (US)
IAP	RNAV (GPS) RWY 36L		1	KMCO	ORLANDO	FL (US)
STAR	PRCY (RNAV)			KLEE	LEESBURG	FL (US)
STAR	PRCY (RNAV)			KMLB	MELBOURNE	FL (US)
STAR	PRCY (RNAV)			KSFB	ORLANDO	FL (US)

REQUIRED CHARTING: STAR, IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 9

DATE OF REVISION: 11/27/2025

REASON FOR REVISION:

1. TYPE: ADDED DME.
2. FIX MAKE-UP FACILITIES: ADDED FAC 1 ORLANDO I-MCO LOC/DME.
3. FIX USE: ADDED IAP ILS OR LOC RWY 36L AT KMCO.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A431

NAME: BRYANT SMITH

APPROVED BY:

DATE: 10/23/2025

OFFICE: AJV-A431

NAME: ROBERT HAMILTON

SIGNATURE:

Digitally signed by
ROBERT G HAMILTON
Jul 25, 2025

QUALITY
6
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: KANHI

STATE: FL

COUNTRY: US

ICAO REGION CODE: K7

LATITUDE/LONGITUDE: 280833.15N/0811925.16W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: ESTABLISH

HOLDING:

HOLDING TYPE OF ACTION:

FIX USE:

USE TYPE
IAP

USE TITLE
ILS OR LOC RWY 36L

FAC

PAT

AIRPORT IDENT
KMCO

CITY
ORLANDO

STATE
FL (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG

DATE OF REVISION: 11/27/2025

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A431

NAME: BRYANT SMITH

APPROVED BY:

DATE: 10/23/2025

OFFICE: AJV-A431

NAME: ROBERT HAMILTON

SIGNATURE:

Digitally signed by
ROBERT G HAMILTON
Jul 25, 2025

QUALITY
6
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: LORRA

STATE: FL

COUNTRY: US

ICAO REGION CODE: K7

LATITUDE/LONGITUDE: 280457.20N/0812527.91W

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	ILS OR LOC RWY 36L			KMCO	ORLANDO	FL (US)
IAP	RNAV (GPS) RWY 36L			KMCO	ORLANDO	FL (US)
STAR	JOKRS (RNAV)			KMCO	ORLANDO	FL (US)
STAR	PRICY (RNAV)			KMCO	ORLANDO	FL (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1

DATE OF REVISION: 11/27/2025

REASON FOR REVISION:

1. FIX USE: ADDED ILS OR LOC RWY 36L AT KMCO.
2. REQUIRED CHARTING: ADDED IAP.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A431

NAME: BRYANT SMITH

APPROVED BY:

DATE: 10/23/2025

OFFICE: AJV-A431

NAME: ROBERT HAMILTON

SIGNATURE:

Digitally signed by

ROBERT G HAMILTON

Jul 25, 2025

QUALITY
6
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: RUTNE

STATE: FL

COUNTRY: US

ICAO REGION CODE: K7

LATITUDE/LONGITUDE: 282254.56N/0811934.53W

TYPE: WP, DME

AIRSPACE DOCKET:

FIX TYPE OF ACTION: MODIFY

FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM NM	FAC FEET	MRA	MAA
1	ORLANDO	I-MCO	LOC/DME		185.46	179.46	4.10	4.10		680	4500

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	ILS OR LOC RWY 36L	1		KMCO	ORLANDO	FL (US)
IAP	RNAV (GPS) RWY 36L			KMCO	ORLANDO	FL (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1

DATE OF REVISION: 11/27/2025

REASON FOR REVISION:

1. LATITUDE/LONGITUDE: UPDATED, FIX MOVED TO ALIGN WITH ILS DESIGN TCH 3.00/51.3.
2. TYPE: ADDED DME.
3. FIX MAKE-UP FACILITIES: ADDED FAC 1 ORLANDO I-MCO LOC/DME.
4. FIX USE: ADDED ILS OR LOC RWY 36L AT KMCO.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A431

NAME: BRYANT SMITH

APPROVED BY:

DATE: 10/23/2025

OFFICE: AJV-A431

NAME: ROBERT HAMILTON

SIGNATURE:

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Jul 25, 2025

QUALITY
6
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: TWOHI

STATE: FL

COUNTRY: US

ICAO REGION CODE: K7

LATITUDE/LONGITUDE: 280432.51N/0811922.54W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: ESTABLISH

HOLDING:

HOLDING TYPE OF ACTION:

FIX USE:

USE TYPE
IAP

USE TITLE
ILS OR LOC RWY 36L

FAC

PAT

AIRPORT IDENT
KMCO

CITY
ORLANDO

STATE
FL (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG

DATE OF REVISION: 11/27/2025

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A431

NAME: BRYANT SMITH

APPROVED BY:

DATE: 10/23/2025

OFFICE: AJV-A431

NAME: ROBERT HAMILTON

SIGNATURE:

Digitally signed by
ROBERT G HAMILTON
Jul 25, 2025

QUALITY
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