FEDERAL AVIATION ADMINISTRATION
FLIGHT STANDARDS SERVICE
GRAPHIC DEPARTURE PROCEDURES (DP)

Bearings, headings, courses, tracks and radials are magnetic. Elevations and altitudes are in feet, MSL Altitudes are minimum altitudes unless otherwise indicated
Ceilings are in feet above airport elevation. Distances are in nautical miles. Visibilities are in statue miles or feet RVR unless otherwise indicated.

DP NAME	NUMBER	DP COMPUTER CODE	SUPERSEDED NUMBER	DATED	ACTUAL EFFECTIVE DATE
FATHE	FOUR	FATHE4.FATHE	THREE	05/19/2022	12 JUN 2025

TYPE:	OBSTACLE	COPTER	SID	SPECIAL	RNAV
	☐	☐	☒	☐	☒

DP ROUTE DESCRIPTION:

TAKEOFF RWY 17L: CLIMB ON HEADING 185.48 TO INTERCEPT COURSE 168.01 TO CROSS KAAPE AT OR ABOVE 1500, THEN ON TRACK 140.00, FOR VECTORS TO BUFFI, THENCE...

TAKEOFF RWY 17R: CLIMB ON HEADING 185.47 TO INTERCEPT COURSE 153.81 TO CROSS KAAPE AT OR ABOVE 1500, THEN ON TRACK 140.00, FOR VECTORS TO BUFFI, THENCE...

TAKEOFF RWY 18L: CLIMB ON HEADING 185.46 TO INTERCEPT COURSE 213.50 TO CROSS VILNS AT OR ABOVE 1500, THEN ON TRACK 236.51, FOR VECTORS TO BUFFI, THENCE...

TAKEOFF RWY 18R: CLIMB ON HEADING 185.46 TO INTERCEPT COURSE 209.13 TO CROSS VILNS AT OR ABOVE 1500, THEN ON TRACK 236.51, FOR VECTORS TO BUFFI, THENCE...

TAKEOFF RWY 35L: CLIMB ON HEADING 005.47 TO INTERCEPT COURSE 037.39 TO CROSS JWOLF AT OR ABOVE 2600, THEN ON TRACK 009.58 TO CROSS JIRAN AT OR ABOVE 3000, THEN ON TRACK 003.86 TO BIGSE, THEN ON TRACK 358.10 TO CROSS GOTHA AT OR BELOW 7000, THEN ON TRACK 359.15 TO BUFFI, THENCE...

TAKEOFF RWY 35R: CLIMB ON HEADING 005.48 TO INTERCEPT COURSE 031.78 TO CROSS JWOLF AT OR ABOVE 2600, THEN ON TRACK 009.58 TO CROSS JIRAN AT OR ABOVE 3000, THEN ON TRACK 003.86 TO BIGSE, THEN ON TRACK 358.10 TO CROSS GOTHA AT OR BELOW 7000, THEN ON TRACK 359.15 TO BUFFI, THENCE...

TAKEOFF RWY 36L: CLIMB ON HEADING 005.46 TO 596, THEN DIRECT KYOTE AT OR ABOVE 2300, THEN ON TRACK 005.61 TO CROSS EARRS AT OR ABOVE 3000 AND AT OR BELOW 230 KIAS, THEN ON TRACK 013.46 TO CROSS TRYNA AT OR BELOW 7000, THEN ON TRACK 012.51 TO BUFFI, THENCE...

TAKEOFF RWY 36R: CLIMB ON HEADING 005.46 TO 596, THEN DIRECT FACTS AT OR ABOVE 2300, THEN ON TRACK 005.53 TO CROSS HANDD AT OR ABOVE 3000 AND AT OR BELOW 230 KIAS, THEN ON TRACK 010.57 TO CROSS TRYNA AT OR BELOW 7000, THEN ON TRACK 012.51 TO BUFFI, THENCE...

...THEN ON TRACK 001.70 TO CROSS FATHE AT OR ABOVE 14000, THEN ON TRANSITION.
RWY 17L/17R, 18L/18R MAINTAIN 7000, RWY 35L/35R, 36L/36R MAINTAIN 16000, EXPECT FILED ALTITUDE 10 MINUTES AFTER DEPARTURE.

ALL AIRCRAFT: ATC CLIMB GRADIENT: IF UNABLE TO ACCEPT CLIMB RATE ADVISE ATC PRIOR TO TAXI.
RWY 35R: 548 FT/NM TO 2600, RWY 36L: 599 FT/NM TO 2300, RWY 36R: 589 FT/NM TO 2300.

TRANSITION ROUTES (GRAPHIC DEPICTION ONLY):

TRANSITION NAME	TRANSITION COMPUTER CODE	FROM FIX/NAVAID	TO FIX/NAVAID	COURSE	DISTANCE	MEA	MOCA	CROSSING ALTITUDE/FIXES
VIYAP	FATHE4.VIYAP	FATHE	MDBOG	TRACK 000.42	6.96	9000	1600	
		MDBOG	BKENI	TRACK 002.99	31.88	16000	2300	BKENI AT/ABOVE 16000
		BKENI	FEMON	TRACK 003.14	49.17	18000	1600	
		FEMON	VIYAP	TRACK 003.38	47.55	18000	1600	

PBN REQUIREMENT NOTES:

RNAV 1 - DME/DME/IRU OR GPS.

QUALITY 26 CHECKED

DP NAME	NUMBER	DP COMPUTER CODE	SUPERSEDED NUMBER	DATED	ACTUAL EFFECTIVE DATE
FATHE	FOUR	FATHE4.FATHE	THREE	05/19/2022	12 JUN 2025

EQUIPMENT REQUIREMENT NOTES:
RADAR REQUIRED.

PROCEDURAL DATA NOTES:
NOTE: JET AIRCRAFT ONLY.
NOTE: KDED AIRPORT, EXTENSIVE PARACHUTE AND FLIGHT TRAINING OPERATIONS AT/BELOW 13500. AVOID OVERFLYING AIRPORT DURING PARACHUTE OPERATIONS.

TAKEOFF MINIMUMS:
RWY 17L, 17R, 18L, 18R, 35L, 35R, 36L, 36R: STANDARD WITH MINIMUM CLIMB OF 500 FT/NM TO 596.

TAKEOFF OBSTACLES NOTES:
SEE FORM 8260-15A, TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP).

CONTROLLING OBSTACLES:

MSA:
MSA FROM KMCO, 3000.

LOST COMMUNICATIONS PROCEDURES:

ADDITIONAL FLIGHT DATA:
CHART: KORL
CHART: TOP ALTITUDE RWY 17L/17R/18L/18R: 7000; RWY 35L/35R/36L/36R: 16000.
AIRPORT MV: MCO 6W/2015
DME/DME ASSESSMENT: SAT (RNP 2.0)
CHART SPEED ICON MAXIMUM SPEED 230 KIAS AT EARRS
CHART SPEED ICON MAXIMUM SPEED 230 KIAS AT HANDD

AIRPORTS SERVED:

AIRPORT ID	CITY	STATE
KMCO	ORLANDO	FL

COMMUNICATIONS:
CHART: ATIS, CLNC DEL, GND, TWR, CPDLC

FIXES AND/OR NAVAIDS:

REMARKS:
THE ENVIRONMENTAL REVIEW UNDER ORDER 1050.1 (LATEST EDITION) AND THE NOISE SCREENING HAVE BEEN ACCOMPLISHED.
CHART NOTE: SEE ADDITIONAL REQUIREMENTS ON AAUP.
WAIVER ON FILE TO NOT CHART IF ALTITUDE AT THE IF FOR RADAR VECTORS (RV).
WAIVER ON FILE TO PUBLISH ATC CLIMB GRADIENTS.
NEW APPROVAL LETTER FOR CLIMB GRADIENTS IN EXCESS OF 500 FEET PER NM.

QUALITY 26 CHECKED

DP NAME	NUMBER	DP COMPUTER CODE	SUPERSEDED NUMBER	DATED	ACTUAL EFFECTIVE DATE
FATHE	FOUR	FATHE4.FATHE	THREE	05/19/2022	12 JUN 2025

FLIGHT INSPECTED BY	SIGNATURE	OFFICE	DATE
RYAN CARAMANICA	*Digitally signed by* ***ROBERT G HAMILTON*** Mar 17, 2025	AJF	03/15/2025

DEVELOPED BY	SIGNATURE	OFFICE	DATE
JOHN F. BRUNO	JOHN FRANK BRUNO IV Digitally signed by JOHN FRANK BRUNO IV Date: 2025.02.19 11:52:27 -05'00'	AJV-A433	01/02/2025

APPROVED BY	SIGNATURE	OFFICE	DATE	TITLE
ROBERT HAMILTON	*Digitally signed by* ***ROBERT G HAMILTON*** Mar 17, 2025	AJV-A433	06/12/2025	MANAGER

REQUIRED EFFECTIVE DATE
ROUTINE

COORDINATED WITH:

A4A ☒ **ALPA** ☒ **AOPA** ☒ **APA** ☒ **HAI** ☐ **NBAA** ☒ **OTHER:** ZJX, ZMA, MCO APP CON, MCO ATCT, AMGR

CHANGES - REASONS:
- TAKEOFF MINIMUMS - CHANGED LNAV ENGAGEMENT CLIMB GRADIENT RESTRICTIONS FROM "MINIMUM CLIMB OF 500 FT PER NM TO 600" TO "MINIMUM CLIMB OF 500 FT/NM TO 596" - ATC REQUEST.
- REMOVED "AT OR ABOVE 16000" ALTITUDE RESTRICTION AT MDBOG - ATC REQUEST.
- ADDED "BKENI AT OR ABOVE 16000" ALTITUDE RESTRICTION AT BKENI - ATC REQUEST, PER 8260.46J APPENDIX E, SECTION 2.D.(9).
- DP ROUTE DESCRIPTION - ATC CLIMB GRADIENT "CHANGED FROM ATC CLIMB GRADIENT RWY 35R: 566 FT/NM TO 2600, 36L: 637 FT/NM TO 2300, 36R: 621 FT/NM TO 2300" TO "RWY 35R: 548 FT/NM TO 2600, RWY 36L: 599 FT/NM TO 2300, RWY 36R: 589 FT/NM TO 2300" - ATC REQUEST.
- ADDITIONAL FLIGHT DATA - REMOVED CHART: MICKI AS STAND ALONE WAYPOINT - NO LONGER USED.
- DP ROUTE DESCRIPTION: RWY 35L INTERCEPT COURSE AT JWOLF CHANGED FROM "037.40" TO "037.39" - NEW TARGETS EVALUATION.
- DP ROUTE DESCRIPTION: RWY 35R INTERCEPT COURSE AT JWOLF CHANGED FROM "032.63" TO "031.78" - NEW TARGETS EVALUATION.
- DP ROUTE DESCRIPTION: RWY 35L/35R CHANGED SEGMENT "THEN ON TRACK 358.99 TO BUFFI" TO "THEN ON TRACK 358.10 TO CROSS GOTHA AT OR BELOW 7000, THEN ON TRACK 359.15 TO BUFFI" - ATC REQUEST TO PREVENT DPS FROM CLIMBING THROUGH ARRIVAL AIRSPACE.
- DP ROUTE DESCRIPTION: RWY 36L: CHANGED "CLIMB ON HEADING 005.45 TO 600" TO "CLIMB ON HEADING 005.46 TO 596" - NEW TARGETS EVALUATION.
- DP ROUTE DESCRIPTION: RWY 36L: CHANGED SEGMENT "THEN ON TRACK 012.76 TO BUFFI" TO "THEN ON TRACK 013.46 TO CROSS TRYNA AT OR BELOW 7000, THEN ON TRACK 012.76 TO BUFFI" - ATC REQUEST TO PREVENT DPS FROM CLIMBING THROUGH ARRIVAL AIRSPACE.
- DP ROUTE DESCRIPTION: RWY 36R: CHANGED SEGMENT "THEN ON TRACK 012.01 TO BUFFI" TO "THEN ON TRACK 010.57 TO CROSS TRYNA AT OR BELOW 7000, THEN ON TRACK 012.51 TO BUFFI" - ATC REQUEST TO PREVENT DPS FROM CLIMBING THROUGH ARRIVAL AIRSPACE.
- ADDITIONAL FLIGHT DATA: ADD "AIRPORT MV: MCO 6W/2015" - IAW MAGVAR DOCUMENTATION FOR SIDS AND ODPS MEMO.
- FIXES AND/OR NAVAIDS: REMOVED MICKI - NO LONGER NEEDED.
- PROCEDURAL DATA NOTES - ADDED KDED AIRPORT, EXTENSIVE PARACHUTE AND FLIGHT TRAINING OPERATIONS AT/BELOW 13500. AVOID OVERFLYING AIRPORT DURING PARACHUTE OPERATIONS - ATC REQUEST.
- EQUIPMENT REQUIREMENT NOTES - ADDED "RADAR REQUIRED FOR NON-GPS EQUIPPED AIRCRAFT" - IAW 8260.46J 2-1-1 F(5).
- DP ROUTE DESCRIPTION: RWY 36R: CHANGED "CLIMB ON HEADING 005.46 TO 600" TO "CLIMB ON HEADING 005.46 TO 596" - ROUNDING HAS CHANGED TO WHOLE FOOT.
- MSA: ADDED "MSA FROM KMCO, 3000" - IAW 8260.46J, APPENDIX E, SECTION 2.K.

04/02/25: THIS IS A UPDATED COPY OF THE FORM DEVELOPED ON ON 02/19/25
-EQUIPMENT REQUIREMENT NOTES - REMOVED NOTE "RADAR REQUIRED FOR NON-GPS EQUIPPED AIRCRAFT".

QUALITY 26 CHECKED

FEDERAL AVIATION ADMINISTRATION
FLIGHT STANDARDS SERVICE
DEPARTURE (DATA RECORD)

DP NAME	NUMBER	DP COMPUTER CODE	SUPERSEDED NUMBER	DATED	ACTUAL EFFECTIVE DATE
FATHE	FOUR	FATHE4.FATHE	THREE	05/19/2022	12 JUN 2025

FIX/NAVAID	LAT/LONG	C	FO/FB	LEG TYPE	TC	DIST (NM)	ALTITUDE	SPEED	REMARKS
RW17L (AER)	282637.31N/0811657.29W	N	-	-	-	-			
-	282311.61N/0811655.18W	-	-	VI	179.48	3.42			CG 500 FT PER NM TO 596
KAPPE	282056.58N/0811605.60W	Y	FB	CF	162.01	2.36	AT/ABOVE 1500		
KAPPE	282056.58N/0811605.60W	-	-	FM	134.00	-			
RW17R (AER)	282608.20N/0811745.17W	N	-	-	-	-			
-	282313.89N/0811743.35W	-	-	VI	179.47	2.90			CG 500 FT PER NM TO 596
KAAPE	282056.58N/0811605.60W	Y	FB	CF	147.81	2.70	AT/ABOVE 1500		
KAAPE	282056.58N/0811605.60W	-	-	FM	134.00	-			
RW18L (AER)	282654.00N/0811920.30W	N	-	-	-	-			
-	282352.40N/0811918.37W	-	-	VI	179.46	3.02			CG 500 FT PER NM TO 596
VILNS	282107.79N/0812055.28W	Y	FB	CF	207.50	3.08	AT/ABOVE 1500		
VILNS	282107.79N/0812055.28W	-	-	FM	230.51	-			
RW18R (AER)	282653.86N/0811937.11W	N	-	-	-	-			
-	282353.62N/0811935.17W	-	-	VI	179.46	3.00			CG 500 FT PER NM TO 596
VILNS	282107.79N/0812055.28W	Y	FB	CF	203.13	3.00	AT/ABOVE 1500		
VILNS	282107.79N/0812055.28W	-	-	FM	230.51	-			
RW35L (AER)	282429.20N/0811744.13W	N	-	-	-	-			
-	282709.55N/0811745.81W	-	-	VI	359.47	2.67			CG 500 FT PER NM TO 596

QUALITY 26 CHECKED

DP NAME	NUMBER	DP COMPUTER CODE	SUPERSEDED NUMBER	DATED	ACTUAL EFFECTIVE DATE
FATHE	FOUR	FATHE4.FATHE	THREE	05/19/2022	12 JUN 2025

FIX/NAVAID	LAT/LONG	C	FO/FB	LEG TYPE	TC	DIST (NM)	ALTITUDE	SPEED	REMARKS
JWOLF	283051.68N/0811512.47W	Y	FB	CF	031.39	4.33	AT/ABOVE 2600		
JIRAN	283257.24N/0811503.58W	Y	FB	TF	003.58	2.09	AT/ABOVE 3000		
BIGSE	283500.48N/0811508.80W	Y	FB	TF	357.86	2.05			
GOTHA	283720.96N/0811530.89W	Y	FB	TF	352.10	2.36	AT/BELOW 7000		
BUFFI	285026.35N/0811718.07W	Y	FB	TF	353.15	13.15			
RW35R (AER)	282508.20N/0811656.38W	N	-	-	-	-			
-	282738.70N/0811657.92W	-	-	VI	359.48	2.50			CG 548 FT PER NM TO 2600
JWOLF	283051.68N/0811512.47W	Y	FB	CF	025.78	3.56	AT/ABOVE 2600		
JIRAN	283257.24N/0811503.58W	Y	FB	TF	003.58	2.09	AT/ABOVE 3000		
BIGSE	283500.48N/0811508.80W	Y	FB	TF	357.86	2.05			
GOTHA	283720.96N/0811530.89W	Y	FB	TF	352.10	2.36	AT/BELOW 7000		
BUFFI	285026.35N/0811718.07W	Y	FB	TF	353.15	13.15			
RW36L (AER)	282455.01N/0811935.83W	N	-	-	-	-			
596 MSL	-	-	-	VA	359.46	-	AT/ABOVE 596		CG 599 FT PER NM TO 2300
KYOTE	283035.80N/0811939.50W	Y	FB	DF	-	-	AT/ABOVE 2300		
EARRS	283247.62N/0811940.52W	Y	FB	TF	359.61	2.19	AT/ABOVE 3000	AT/BELOW 230K	
TRYNA	283723.73N/0811859.57W	Y	FB	TF	007.46	4.63	AT/BELOW 7000		
BUFFI	285026.35N/0811718.07W	Y	FB	TF	006.51	13.09			
RW36R (AER)	282455.15N/0811919.04W	N	-	-	-	-			
596 MSL	-	-	-	VA	359.46	-	AT/ABOVE 596		CG 589 FT PER NM TO 2300
FACTS	283039.75N/0811922.71W	Y	FB	DF	-	-	AT/ABOVE 2300		

QUALITY 26 CHECKED

DP NAME	NUMBER	DP COMPUTER CODE	SUPERSEDED NUMBER	DATED	ACTUAL EFFECTIVE DATE
FATHE	FOUR	FATHE4.FATHE	THREE	05/19/2022	12 JUN 2025

FIX/NAVAID	LAT/LONG	C	FO/FB	LEG TYPE	TC	DIST (NM)	ALTITUDE	SPEED	REMARKS
HANDD	283254.38N/0811923.95W	Y	FB	TF	359.53	2.24	AT/ABOVE 3000	AT/BELOW 230K	
TRYNA	283723.73N/0811859.57W	Y	FB	TF	004.57	4.49	AT/BELOW 7000		
BUFFI	285026.35N/0811718.07W	Y	FB	TF	006.51	13.09			
BUFFI	285026.35N/0811718.07W	Y	-	IF	-	-			
FATHE	285926.22N/0811804.20W	Y	FB	TF	355.70	9.00	AT/ABOVE 14000		
FATHE	285926.22N/0811804.20W	Y	-	IF	-	-	AT/ABOVE 14000		FATHE4.VIYAP
MDBOG	290622.80N/0811850.51W	Y	FB	TF	354.42	6.96			
BKENI	293817.84N/0812045.89W	Y	FB	TF	356.99	31.88	AT/ABOVE 16000		
FEMON	302731.57N/0812336.20W	Y	FB	TF	357.14	49.17			
VIYAP	311508.15N/0812608.18W	Y	FB	TF	357.38	47.55			

QUALITY 26 CHECKED