

**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 statute miles or feet RVR unless otherwise indicated.

<u>DP NAME</u>	<u>NUMBER</u>	<u>DP COMPUTER CODE</u>	<u>SUPERSEDED NUMBER</u>	<u>DATED</u>	<u>ACTUAL EFFECTIVE DATE</u>
MZULO	THREE	MZULO3.MZULO	TWO	12/02/2021	19 May 2022

<u>TYPE:</u>	<u>OBSTACLE</u>	<u>COPTER</u>	<u>SID</u>	<u>SPECIAL</u>	<u>RNAV</u>
	☐	☐	☒	☐	☒

**This is a corrected copy of the procedure published in NFDD 060.
** See page 3 for details. ****

DP ROUTE DESCRIPTION:

TAKEOFF RWY 17L: CLIMB ON HEADING 185.48 TO INTERCEPT COURSE 168.00 TO CROSS KAAPE AT OR ABOVE 1500, THEN ON TRACK 140.00, FOR VECTORS TO GERCK, 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 GERCK, THENCE ...

TAKEOFF RWY 18L: CLIMB ON HEADING 185.46 TO INTERCEPT COURSE 140.00 TO CROSS KAAPE AT OR ABOVE 1500, THEN ON TRACK 140.00, FOR VECTORS TO GERCK, THENCE ...

TAKEOFF RWY 18R: CLIMB ON HEADING 185.46 TO INTERCEPT COURSE 139.10 TO CROSS KAAPE AT OR ABOVE 1500, THEN ON TRACK 140.00, FOR VECTORS TO GERCK, THENCE ...

TAKEOFF RWY 35L: CLIMB ON HEADING 005.47 TO INTERCEPT COURSE 059.75 TO CROSS GOHOM AT OR ABOVE 2600 AND AT OR BELOW 250 KIAS, THEN ON TRACK 084.76 TO CROSS MIEGS AT OR BELOW 5000, THEN ON TRACK 098.33 TO CROSS ASKUE AT OR ABOVE 7000, THEN ON TRACK 105.18 TO GERCK, THENCE ...

TAKEOFF RWY 35R: CLIMB ON HEADING 005.48 TO INTERCEPT COURSE 060.70 TO CROSS GOHOM AT OR ABOVE 2600 AND AT OR BELOW 250 KIAS, THEN ON TRACK 084.76 TO CROSS MIEGS AT OR BELOW 5000, THEN ON TRACK 098.33 TO CROSS ASKUE AT OR ABOVE 7000, THEN ON TRACK 105.18 TO GERCK, THENCE ...

TAKEOFF RWY 36L: CLIMB ON HEADING 005.45 TO INTERCEPT COURSE 075.00 TO CROSS GOHOM AT OR ABOVE 2600 AND AT OR BELOW 250 KIAS, THEN ON TRACK 084.76 TO CROSS MIEGS AT OR BELOW 5000, THEN ON TRACK 098.33 TO CROSS ASKUE AT OR ABOVE 7000, THEN ON TRACK 105.18 TO GERCK, THENCE ...

TAKEOFF RWY 36R: CLIMB ON HEADING 005.46 TO INTERCEPT COURSE 075.00 TO CROSS GOHOM AT OR ABOVE 2600 AND AT OR BELOW 250 KIAS, THEN ON TRACK 084.76 TO CROSS MIEGS AT OR BELOW 5000, THEN ON TRACK 098.33 TO CROSS ASKUE AT OR ABOVE 7000, THEN ON TRACK 105.18 TO GERCK, THENCE ...

... ON TRACK 088.76 TO MZULO. MAINTAIN 7000. EXPECT CLEARANCE TO FILED ALTITUDE 10 MINUTES AFTER DEPARTURE.



<u>DP NAME</u>	<u>NUMBER</u>	<u>DP COMPUTER CODE</u>	<u>SUPERSEDED NUMBER</u>	<u>DATED</u>	<u>ACTUAL EFFECTIVE DATE</u>
MZULO	THREE	MZULO3.MZULO	TWO	12/02/2021	19 May 2022

TRANSITION ROUTES (GRAPHIC DEPICTION ONLY):

<u>TRANSITION NAME</u>	<u>TRANSITION COMPUTER CODE</u>	<u>FROM FIX/NAVAID</u>	<u>TO FIX/NAVAID</u>	<u>COURSE</u>	<u>DISTANCE</u>	<u>MEA</u>	<u>MOCA</u>	<u>CROSSING ALTITUDE/FIXES</u>
ETECK	MZULO3.ETECK	MZULO	HESTA	TRACK 072.70	41.92	FL180	1300	
		HESTA	LEND5	TRACK 060.43	57.44	FL180	1300	
		LEND5	ETECK	TRACK 059.16	11.96	FL180	1300	
FAROV	MZULO3.FAROV	MZULO	FAROV	TRACK 103.25	13.04	FL180	1300	
LEND5	MZULO3.LEND5	MZULO	HESTA	TRACK 072.70	41.92	FL180	1300	
		HESTA	LEND5	TRACK 060.43	57.44	FL180	1300	

PROCEDURAL DATA NOTES:

NOTE: JET AIRCRAFT ONLY.

PBN REQUIREMENTS NOTES:

RNAV 1 - DME/DME/IRU OR GPS.

EQUIPMENT REQUIREMENT NOTES:

RADAR REQUIRED.

TAKEOFF MINIMUMS:

RWY 17L, 17R, 18L, 18R, 35L, 35R, 36L, 36R: STANDARD WITH MINIMUM CLIMB OF 500 FT PER NM TO 600.

TAKEOFF OBSTACLES NOTES:

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

CONTROLLING OBSTACLES:**MSA:****LOST COMMUNICATIONS PROCEDURES:****ADDITIONAL FLIGHT DATA:**

CHART TOP ALTITUDE: 7000.

DME/DME/IRU ASSESSMENT: SAT (RNP 2.0).

CHART SPEED ICON MAXIMUM SPEED 250 KIAS AT GOHOM.

CHART: KORL.

AIRPORTS SERVED:

<u>AIRPORT ID</u>	<u>CITY</u>	<u>STATE</u>
KMCO	ORLANDO	FL



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MZULO	THREE	MZULO3.MZULO	TWO	12/02/2021	19 May 2022

COMMUNICATIONS:

CHART: ATIS, CLNC DEL, GND CTRL, MCO ATCT

FIXES AND/OR NAVAIDS:**REMARKS:**

250 FOOT SHIP HEIGHT USED TO EVALUATE OVER WATER TRANSITION SEGMENTS PER FPT.

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 MCA AT THE IF FOR RADAR VECTORS (RV).

FLIGHT INSPECTED BY

EDWARD W MESA

*Digitally signed by***ALLAN WILL**

Apr 04, 2022

OFFICE

FPO

DATE

02/24/2022

DEVELOPED BY

MICHAEL R. GARRITY JR

*Digitally signed by***MICHAEL GARRITY**

Mar 31, 2022

OFFICE

AJV-A423

DATE

12/16/2021

APPROVED BY

MARLON ROBINSON

*Digitally signed by***ALLAN WILL**

Apr 04, 2022

OFFICE

AJV-A420

DATE**TITLE**

MANAGER

REQUIRED EFFECTIVE DATE

ROUTINE

COORDINATED WITH:**A4A** ☒ **ALPA** ☒ **AOPA** ☒ **APA** ☒ **HAI** ☐ **NBAA** ☒ **OTHER:** ZJX, ZMA, MCO APP CON, MCO ATCT, AMGR**CHANGES - REASONS:**

1. REMOVED CLIMB TO ALTITUDE FROM RWY'S 17L/R AND 18L/R ROUTE DESCRIPTIONS/ADDED ROUTING FROM/TO KAAPE WP W/1500 FOOT CROSSING ALTITUDE - ATC REQUEST.
2. ADDED MAINTAIN 7000 FROM GERCK TO MZULO FOR ALL RUNWAYS - ATC REQUEST.
3. CHANGED MOCAS FOR ALL TRANSITION SEGMENTS FROM 1200 TO 1300 - 250 FOOT SHIP IS HIGHEST OBSTACLE FOR OVER WATER SEGMENTS PER FPT.
4. MOVED RNAV 1 - DME/DME/IRU OR GPS FROM PROCEDURAL DATA NOTES TO PBN REQUIRMENT NOTES - REQUIRED DOCUMENTATION PER FAAO 8260.46H, APPENDIX D, PARA 5.
5. MOVED RADAR REQUIRED FROM PROCEDURAL DATA NOTES TO EQUIPMENT REQUIREMENT NOTES - REQUIRED DOCUMENTATION PER FAAO 8260.46H, APPENDIX D, PARA 6.
6. REMOVED REFERENCE MAGVAR FROM ADDITIONAL FLIGHT DATA - NO LONGER REQUIRED PER FAAO 8260.46H CRITERIA.
7. CHANGED CHART TOP ALTITUDE FROM ASSIGNED BY ATC TO 7000 - ATC REQUEST.
8. CHANGED ORLANDO INTL TO KMCO - REQUIRED DOCUMENTATION PER FAAO 8260.46H, APPENDIX D, SECT 2, PARA 13 CRITERIA.
9. REMOVED MCO DEP CON FROM COMMUNICATIONS - CHARTING OF DEPARTURE CONTROL OCCURS AUTOMATICALLY WITHOUT COORDINATION REQUIRED PER FAAO 8260.46H CRITERIA.

03/22/22: THIS IS A CORRECTED COPY OF THE FORM APPROVED ON 02/25/22.

1. DP ROUTE DESCRIPTION - CHANGED "... ON TRACK 088.76 TO MZULO. MAINTAIN 7000. EXPECT CLEARANCE TO FILED ALTITUDE WITHIN 10 MINUTES AFTER DEPARTURE" TO "... ON TRACK 088.76 TO MZULO. MAINTAIN 7000. EXPECT CLEARANCE TO FILED ALTITUDE 10 MINUTES AFTER DEPARTURE" - STANDARDIZATION OF DP ROUTE WORDING BETWEEN KMCO DEPARTURES.
2. ADDED "CHART: KORL" - FAAO 8260.46H, APPENDIX E, SECT 1, PARA 12A/PRB RESULTS REQUEST.



**FEDERAL AVIATION ADMINISTRATION
FLIGHT STANDARDS SERVICE
DEPARTURE (DATA RECORD)**

DP NAME		NUMBER					DP COMPUTER CODE		SUPERSEDED NUMBER		DATED		ACTUAL EFFECTIVE DATE	
MZULO		THREE					MZULO3.MZULO		TWO		12/02/2021		19 May 2022	
FIX/NAVAID	LAT/LONG	C	FO/FB	LEG TYPE	TC	DIST (NM)	ALTITUDE	SPEED	REMARKS					
RW17L (AER)	282637.31N/0811657.29W	N	-	-	-	-								
-	282311.54N/0811655.18W	-	-	VI	179.48	3.42			CG 500 FT PER NM TO 600					
KAAPE	282056.58N/0811605.60W	Y	FB	CF	162.00	2.36	AT/ABOVE 1500							
KAAPE	282056.58N/0811605.60W	-	-	FM	134.00	-								
RW17R (AER)	282608.20N/0811745.17W	N	-	-	-	-								
-	282313.90N/0811743.35W	-	-	VI	179.47	2.90			CG 500 FT PER NM TO 600					
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	-	-	-	-								
-	282341.05N/0811918.25W	-	-	VI	179.46	3.21			CG 500 FT PER NM TO 600					
KAPPE	282056.58N/0811605.60W	Y	FB	CF	134.00	3.94	AT/ABOVE 1500							
KAPPE	282056.58N/0811605.60W	-	-	FM	134.00	-								
RW18R (AER)	282653.86N/0811937.11W	N	-	-	-	-								
-	282349.91N/0811935.12W	-	-	VI	179.46	3.06			CG 500 FT PER NM TO 600					
KAPPE	282056.58N/0811605.60W	Y	FB	CF	133.10	4.22	AT/ABOVE 1500							
KAPPE	282056.58N/0811605.60W	-	-	FM	134.00	-								

QUALITY
8
CHECKED

QUALITY
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DP NAME				NUMBER		DP COMPUTER CODE		SUPERSEDED NUMBER		DATED		ACTUAL EFFECTIVE DATE	
MZULO				THREE		MZULO3.MZULO		TWO		12/02/2021		19 May 2022	
FIX/NAVAID	LAT/LONG	C	FO/FB	LEG TYPE	TC	DIST (NM)	ALTITUDE	SPEED	REMARKS				
RW36R (AER)	282455.15N/0811919.04W	N	-	-	-	-							
-	282803.36N/0811921.04W	-	-	VI	359.46	3.13			CG 500 FT PER NM TO 600				
GOHOM	283010.21N/0811307.49W	Y	FB	CF	069.00	5.88	AT/ABOVE 2600	AT/BELOW 250K					
MIEGS	283042.49N/0811003.32W	Y	FB	TF	078.76	2.76	AT/BELOW 5000						
ASKUE	283025.43N/0810214.72W	Y	FB	TF	092.33	6.89	AT/ABOVE 7000						
GERCK	282835.87N/0804931.52W	Y	FB	TF	099.18	11.36							
GERCK	282835.87N/0804931.52W	Y	-	IF	-	-							
MZULO	283207.54N/0801730.23W	Y	FB	TF	082.76	28.43							
MZULO	283207.54N/0801730.23W	Y	-	IF	-	-			MZULO3.ETECK				
HESTA	284837.99N/0793340.62W	Y	FB	TF	066.70	41.92							
LEND5	292157.39N/0784012.35W	Y	FB	TF	054.43	57.44							
ETECK	292908.40N/0782914.19W	Y	FB	TF	053.16	11.96							
MZULO	283207.54N/0801730.23W	Y	-	IF	-	-			MZULO3.FAROV				
FAROV	283027.83N/0800249.48W	Y	FB	TF	097.25	13.04							
MZULO	283207.54N/0801730.23W	Y	-	IF	-	-			MZULO3.LENDS				
HESTA	284837.99N/0793340.62W	Y	FB	TF	066.70	41.92							
LEND5	292157.39N/0784012.35W	Y	FB	TF	054.43	57.44							

