

# 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SUPERSEDED NUMBER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	TWO	MZULO2.MZULO	ONE	4/22/2021	
<u>TYPE:</u>	<u>OBSTACLE</u>	<u>COPTER</u>	<u>SID</u>	<u>SPECIAL</u>	<u>RNAV</u>
	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

## DP ROUTE DESCRIPTION:

TAKEOFF RWY 17L: CLIMB ON HEADING 185.48 TO 600, THEN ON HEADING 176.00, OR AS ASSIGNED BY ATC, FOR VECTORS TO GERCK, THENCE...

TAKEOFF RWY 17R: CLIMB ON HEADING 185.47 TO 600, THEN ON HEADING 176.00, OR AS ASSIGNED BY ATC, FOR VECTORS TO GERCK, THENCE...

TAKEOFF RWY 18L: CLIMB ON HEADING 185.46 TO 600, THEN ON HEADING 141.00, OR AS ASSIGNED BY ATC, FOR VECTORS TO GERCK, THENCE...

TAKEOFF RWY 18R: CLIMB ON HEADING 185.46 TO 600, THEN ON HEADING 141.00, OR AS ASSIGNED BY ATC, FOR VECTORS TO GERCK, THENCE...

TAKEOFF RWY 35L: CLIMB ON HEADING 005.47 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 35R: CLIMB ON HEADING 005.48 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 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 ATC ASSIGNED ALTITUDE. EXPECT FILED ALTITUDE 10 MINUTES AFTER DEPARTURE.

## 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>
FAROV	MZULO2.FAROV	MZULO	FAROV	TRACK 103.25	13.04	FL180	1200	
ETECK	MZULO2.ETECK	MZULO	HESTA	TRACK 72.70	41.92	FL180	1200	
		HESTA	LEND5	TRACK 60.43	57.44	FL180	1200	
		LEND5	ETECK	TRACK 59.16	11.96	FL180	1200	
LEND5	MZULO2.LEND5	MZULO	HESTA	TRACK 72.70	41.92	FL180	1200	
		HESTA	LEND5	TRACK 60.43	57.44	FL180	1200	



<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	TWO	MZULO2.MZULO	ONE	4/22/2021	

**PROCEDURAL DATA NOTES:**

PBN REQUIREMENTS NOTES: RNAV 1 - DME/DME/IRU OR GPS.  
EQUIPMENT REQUIREMENT NOTES: RADAR REQUIRED.  
NOTE: JET AIRCRAFT ONLY.

**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:**

**LOST COMMUNICATIONS PROCEDURES:**

**ADDITIONAL FLIGHT DATA:**

REFERENCE MAGVAR: MCO 6W EPOCH YEAR 2015.  
DME/DME/IRU ASSESSMENT: SAT (RNP 2.0).  
CHART SPEED ICON MAXIMUM SPEED 250 KIAS AT GOHOM.  
CHART TOP ALTITUDE: ASSIGNED BY ATC.

**AIRPORTS SERVED:**

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

**COMMUNICATIONS:**

ATIS, CLNC DEL, GND CTRL, MCO ATCT, MCO DEP CON.

**FIXES AND/OR NAVAIDS:**

**REMARKS:**

THE ENVIRONMENTAL REVIEW UNDER ORDER 1050.1 (LATEST EDITION) AND THE NOISE SCREENING HAVE BEEN ACCOMPLISHED.  
ALL PILOTS SEE ATTENTION ALL USERS PAGE (AAUP).  
NEW WAIVER TO NOT CHART MCA AT THE IF FOR RADAR VECTORS.  
ABBREVIATED AMENDMENT.



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MZULO	TWO	MZULO2.MZULO	ONE	4/22/2021	

**FLIGHT INSPECTED BY**

PROCESSED IAW TECHNICAL SUPPORT GROUP (AJF-17) MEMO DATED 07/07/2021, SUBJECT: GUIDANCE FOR PROCEDURAL CHANGES REQUIRING FLIGHT INSPECTION/VALIDATION.

**OFFICE**

**DATE**

*Digitally signed by*  
**JOHN BORDY**  
Sep 23, 2021

**DEVELOPED BY**

STEVEN WINNER

*Digitally signed by*  
**STEVEN E WINNER**  
Jul 27, 2021

**OFFICE**

AJV-A422

**DATE**

07/08/2021

**APPROVED BY**

MARLON ROBINSON

*Digitally signed by*  
**JOHN BORDY**  
Sep 23, 2021

**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. ADDED LENDS TRANSITION TO PROCEDURE. - ATC REQUEST.
2. ADDED MOCAS FOR ALL TRANSITION LEGS AND ADDED REMARK TO NOT CHART THEM. - FAAO 8260.46 CLARIFICATION MEMO DATED JULY 1, 2021.
3. CHANGED WAIVER REMARK FROM WAIVER ON FILE TO NEW WAIVER. - EXISTING WAIVER EXPIRING.

09/13/2021: THIS IS AN UPDATED COPY OF THE FORM DEVELOPED ON 07/27/2021:

1. ON PAGE 2 OF 3, REVISED PROCEDURAL DATA NOTES FOR PBN AND EQUIPMENT REQUIREMENTS TO "PBN REQUIREMENTS NOTES: RNAV 1 - DME/DME/IRU OR GPS." AND "EQUIPMENT REQUIREMENT NOTES: RADAR REQUIRED". - ORDER 8260.19

09/23/2021: THIS IS AN UPDATED COPY OF THE FORM DEVELOPED ON 07/27/2021:

1. ON PAGE 2 OF 3, REVISED PROCEDURAL DATA NOTES BY DELETING INSTRUCTIONS TO CONTACT CLEARANCE DELIVERY/ATC IF UNABLE TO ACCEPT CLIMB RATE - NOTE NOT NEEDED
2. ON PAGE 2 OF 3, REMOVED "DO NOT CHART MOCA" INSTRUCTIONS - ALL MOCAS WILL BE CHARTED

QUALITY  
48  
CHECKED

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

<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		TWO		MZULO2.MZULO		ONE		4/22/2021	
<u>FIX/NAVAID</u>	<u>LAT/LONG</u>	<u>C</u>	<u>FO/FB</u>	<u>LEG TYPE</u>	<u>TC</u>	<u>DIST (NM)</u>	<u>ALTITUDE</u>	<u>SPEED</u>	<u>REMARKS</u>
RW17L (AER)	282637.31N/0811657.29W	N	-	-	-	-			
600 MSL	-	-	-	VA	179.48	-			CG 500 FT/NM TO 600
	-	-	-	VM	170.00	-			
RW17R (AER)	282608.20N/0811745.17W	N	-	-	-	-			
600 MSL	-	-	-	VA	179.47	-			CG 500 FT/NM TO 600
	-	-	-	VM	170.00	-			
RW18L (AER)	282654.00N/0811920.30W	N	-	-	-	-			
600 MSL	-	-	-	VA	179.46	-			CG 500 FT/NM TO 600
	-	-	-	VM	135.00	-			
RW18R (AER)	282653.86N/0811937.11W	N	-	-	-	-			
600 MSL	-	-	-	VA	179.46	-			CG 500 FT/NM TO 600
	-	-	-	VM	135.00	-			
RW35L (AER)	282429.20N/0811744.13W	N	-	-	-	-			
	282835.43N/0811746.71W	-	-	VI	359.47	4.09			CG 500 FT/NM TO 600
GOHOM	283010.21N/0811307.49W	Y	FB	CF	069.00	4.39	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			

QUALITY  
48  
CHECKED

<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		TWO		MZULO2.MZULO		ONE		4/22/2021	
<u>FIX/NAVAID</u>	<u>LAT/LONG</u>	<u>C</u>	<u>FO/FB</u>	<u>LEG TYPE</u>	<u>TC</u>	<u>DIST (NM)</u>	<u>ALTITUDE</u>	<u>SPEED</u>	<u>REMARKS</u>
RW35R (AER)	282508.20N/0811656.38W	N	-	-	-	-			
	282851.75N/0811658.67W	-	-	VI	359.48	3.72			CG 500 FT/NM TO 600
GOHOM	283010.21N/0811307.49W	Y	FB	CF	069.00	3.64	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			
RW36L (AER)	282455.01N/0811935.83W	N	-	-	-	-			
	282757.66N/0811937.80W	-	-	VI	359.45	3.04			CG 500 FT/NM TO 600
GOHOM	283010.21N/0811307.49W	Y	FB	CF	069.00	6.14	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			
RW36R (AER)	282455.15N/0811919.04W	N	-	-	-	-			
	282803.36N/0811921.04W	-	-	VI	359.46	3.13			CG 500 FT/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			



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MZULO		TWO		MZULO2.MZULO		ONE		4/22/2021	
<u>FIX/NAVAID</u>	<u>LAT/LONG</u>	<u>C</u>	<u>FO/FB</u>	<u>LEG TYPE</u>	<u>TC</u>	<u>DIST (NM)</u>	<u>ALTITUDE</u>	<u>SPEED</u>	<u>REMARKS</u>
MZULO	283207.54N/0801730.23W	Y	-	IF	-	-			MZULO2.FAROV
FAROV	283027.83N/0800249.48W	Y	FB	TF	097.25	13.04			
MZULO	283207.54N/0801730.23W	Y	-	IF	-	-			MZULO2.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	-	-			MZULO2.LEND5
HESTA	284837.99N/0793340.62W	Y	FB	TF	066.70	41.92			
LEND5	292157.39N/0784012.35W	Y	FB	TF	054.43	57.44			

