

**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SUPERSEDED NUMBER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>
EPCOT	TWO	EPCOT2.EPCOT	EPCOT ONE	04/22/2021	2 DEC 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 221.00, OR AS ASSIGNED BY ATC, FOR VECTORS TO GEMLE, THENCE...

TAKEOFF RWY 17R: CLIMB ON HEADING 185.47 TO 600, THEN ON HEADING 221.00, OR AS ASSIGNED BY ATC, FOR VECTORS TO GEMLE, THENCE...

TAKEOFF RWY 18L: CLIMB ON HEADING 185.46 TO 600, THEN ON HEADING 191.00, OR AS ASSIGNED BY ATC, FOR VECTORS TO GEMLE, THENCE...

TAKEOFF RWY 18R: CLIMB ON HEADING 185.46 TO 600, THEN ON HEADING 191.00, OR AS ASSIGNED BY ATC, FOR VECTORS TO GEMLE, THENCE...

TAKEOFF RWY 35L: CLIMB ON HEADING 005.47 TO INTERCEPT COURSE 355.00 TO CROSS SAWZZ AT OR ABOVE 2300 AND AT OR BELOW 230 KIAS, THEN ON TRACK 344.78 TO CROSS HANDD AT OR ABOVE 3000 AND AT OR BELOW 230 KIAS, THEN ON TRACK 337.54 TO CROSS LEFTI AT OR ABOVE 4000 AND AT 230 KIAS, THEN ON TRACK 275.43 TO CROSS BLOSM AT OR BELOW 7000, THEN ON TRACK 267.35 TO GEMLE, THENCE...

TAKEOFF RWY 35R: CLIMB ON HEADING 005.48 TO INTERCEPT COURSE 343.21 TO CROSS SAWZZ AT OR ABOVE 2300 AND AT OR BELOW 230 KIAS, THEN ON TRACK 344.78 TO CROSS HANDD AT OR ABOVE 3000 AND AT OR BELOW 230 KIAS, THEN ON TRACK 337.54 TO CROSS LEFTI AT OR ABOVE 4000 AND AT 230 KIAS, THEN ON TRACK 275.43 TO CROSS BLOSM AT OR BELOW 7000, THEN ON TRACK 267.35 TO GEMLE, THENCE...

TAKEOFF RWY 36L: CLIMB ON HEADING 005.45 TO 600, THEN DIRECT TO CROSS KYOTE AT OR ABOVE 2300 AND AT OR BELOW 230 KIAS, THEN ON TRACK 005.61 TO CROSS EARRS AT OR ABOVE 3000 AND AT OR BELOW 230 KIAS, THEN ON TRACK 342.13 TO CROSS LEFTI AT OR ABOVE 4000 AND AT 230 KIAS, THEN ON TRACK 275.43 TO CROSS BLOSM AT OR BELOW 7000, THEN ON TRACK 267.35 TO GEMLE, THENCE...

TAKEOFF RWY 36R: CLIMB ON HEADING 005.46 TO 600, THEN DIRECT TO CROSS FACTS AT OR ABOVE 2300 AND AT OR BELOW 230 KIAS, THEN ON TRACK 358.99 TO CROSS EARRS AT OR ABOVE 3000 AND AT OR BELOW 230 KIAS, THEN ON TRACK 342.13 TO CROSS LEFTI AT OR ABOVE 4000 AND AT 230 KIAS, THEN ON TRACK 275.43 TO CROSS BLOSM AT OR BELOW 7000, THEN ON TRACK 267.35 TO GEMLE, THENCE...

...ON TRACK 288.75 TO EPCOT. 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>
MUGLS	EPCOT2.MUGLS	EPCOT	MUGLS	TRACK 288.66	20.32	15000	1700	

PROCEDURAL DATA NOTES:

PBN REQUIREMENT NOTES: RNAV 1 - DME/DME/IRU OR GPS.

EQUIPMENT REQUIREMENT NOTES: RADAR REQUIRED.

NOTE: JET AIRCRAFT ONLY.

NOTE: ATC CLIMB GRADIENT: RWY 35R: 566 FT/NM TO 2600, 36L: 637 FT/NM TO 2300, 36R: 621 FT/NM TO 2300, IF UNABLE TO ACCEPT CLIMB RATE ADVISE ATC PRIOR TO TAXI.

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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:**

CHART: TOP ALTITUDE: ASSIGNED BY ATC.

REFERENCE MAG/VAR: KMCO 6W EPOCH YEAR 2015.

DME/DME ASSESSMENT: SAT (RNP 2.0).

CHART SPEED ICON MAXIMUM SPEED 230 KIAS AT SAWZZ.

CHART SPEED ICON MAXIMUM SPEED 230 KIAS AT HANDD.

CHART SPEED ICON MANDATORY SPEED 230 KIAS AT LEFTI.

CHART SPEED ICON MAXIMUM SPEED 230 KIAS AT KYOTE.

CHART SPEED ICON MAXIMUM SPEED 230 KIAS AT EARRS.

CHART SPEED ICON MAXIMUM SPEED 230 KIAS AT FACTS.

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, TWR, DEP CON, CPDLC.

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

ABBREVIATED AMENDMENT.

THE ENVIRONMENTAL REVIEW UNDER ORDER 1050.1F AND THE NOISE SCREENING HAVE BEEN ACCOMPLISHED.

CHART NOTE: SEE ADDITIONAL REQUIREMENTS ON AAUP.

WAIVER ON FILE PERMITTING THE DELETION OF A CROSSING ALTITUDE AT GEMLE FOR AIRCRAFT RECEIVING VECTORS TO JOIN AN RNAV ROUTE.

WAIVER ON FILE PERMITTING CHARTING OF ATC REQUIRED CLIMB GRADIENTS.

APPROVAL LETTER ON FILE FOR CLIMB GRADIENTS IN EXCESS OF 500 FEET PER NM.

HISTORICAL TAILWINDS (2015-2019- 99TH PERCENTILE) APPLIED AT HANDD, LEFTI AND SAWZZ.



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EPCOT	TWO	EPCOT2.EPCOT	EPCOT ONE	04/22/2021	2 DEC 2021

FLIGHT INSPECTED BY

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

OFFICE**DATE***Digitally signed by***JOHN BORDY**

Oct 14, 2021

DEVELOPED BY

WILLIAM J. HANBY JR.

*Digitally signed by***WILLIAM HANBY**

Oct 07, 2021

OFFICE

AJV-A422

DATE

07/27/2021

APPROVED BY

MARLON ROBINSON

*Digitally signed by***JOHN BORDY**

Oct 14, 2021

OFFICE

AJV-A420

DATE**TITLE**

MANAGER

REQUIRED EFFECTIVE DATE

ROUTINE

COORDINATED WITH:

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

CHANGES - REASONS:

1. CHANGED TAKEOFF MINIMUMS FROM RWY 17L/R, 18L/R, 35 L/R, 36L/R: STANDARD WITH MINIMUM CLIMB OF 500 FT PER NM TO 600." TO "RWY 17L, 17R, 18L, 18R, 35L: STANDARD WITH MINIMUM CLIMB OF 500 FT PER NM TO 600. RWY 35R: STANDARD WITH MINIMUM CLIMB OF 500 FT PER NM TO 600. ATC CLIMB OF 566 FT PER NM TO 2300. RWY 36L: STANDARD WITH MINIMUM CLIMB OF 500 FT PER NM TO 600. ATC CLIMB OF 637 FT PER NM TO 2300. RWY 36R: STANDARD WITH MINIMUM CLIMB OF 500 FT PER NM TO 600. ATC CLIMB OF 621 FT PER NM TO 2300." - PER PRB REQUEST AND WAIVER.
2. MODIFIED PROCEDURAL DATA NOTE FROM "IF UNABLE TO ACCEPT CLIMB RATE, ADVISE CLEARANCE DELIVERY/ATC ON INITIAL CONTACT" TO "RWY 17L, 17R, 18L, 18R, 35L: IF UNABLE TO ACCEPT CLIMB RATE, ADVISE CLEARANCE DELIVERY/ATC ON INITIAL CONTACT" AND ADDED, "RWY 35R, 36L, 36R: IF UNABLE TO ACCEPT ATC CLIMB RATE ADVISE ATC PRIOR TO TAXI." - CLIMB RATES AMENDED FOR SPECIFIC RUNWAYS INCLUDE OBSTACLE OR NON-OBSTACLE ATC REQUIRED CLIMB RATES.
3. CHANGED DP COMPUTER CODE AND TRANSITION CODE FROM 1 TO 2 THROUGHOUT FORMS - PER FAAO 8260.46, APPENDIX E, SECTION 1, PARA 1.C AND PARA 4.B.
4. ADDED ABBREVIATED AMENDMENT TO REMARKS - PER FAAO 8260.46, APPENDIX E, SECTION 1, PARA 14.D.
5. CHANGED REMARK FROM "THE ENVIRONMENTAL REVIEW UNDER ORDER 1050.1 (LATEST EDITION) AND THE NOISE SCREENING HAVE BEEN ACCOMPLISHED." TO "THE ENVIRONMENTAL REVIEW UNDER ORDER 1050.1F AND THE NOISE SCREENING HAVE BEEN ACCOMPLISHED - ADDED LATEST EDITION LETTER.
6. CHANGED REMARK FROM "THERE IS A WAIVER ON FILE PERMITTING THE DELETION OF A CROSSING ALTITUDE AT GEMLE FOR AIRCRAFT RECEIVING VECTORS TO JOIN AN RNAV ROUTE." TO "WAIVER ON FILE PERMITTING THE DELETION OF A CROSSING ALTITUDE AT GEMLE FOR AIRCRAFT RECEIVING VECTORS TO JOIN AN RNAV ROUTE. WAIVER ON FILE PERMITTING CHARTING OF ATC REQUIRED CLIMB GRADIENTS. APPROVAL LETTER ON FILE FOR CLIMB GRADIENTS IN EXCESS OF 500 FEET PER NM." - TEMPORARY WAIVER EXPIRED AND PER PRB/ATC REQUEST.
7. CHANGED NOTES FROM "NOTE: DME/DME/IRU OR GPS REQUIRED." AND " NOTE: RNAV 1" TO READ "PBN REQUIREMENT NOTES: RNAV 1 - DME/DME/IRU OR GPS." - PER FAAO 8260.46H.
8. CHANGED NOTE FROM "NOTE: RADAR REQUIRED." TO "EQUIPMENT REQUIREMENT NOTES: RADAR REQUIRED." - PER FAAO 8260.46H.
9. ADDED MOCA ALTITUDE "1700" FOR MUGLS TRANSITION - PER FAAO 8260.46 CLARIFICATION MEMO DATED JULY 1, 2021.

10/07/21: THIS IS AN UPDATED COPY OF THE FORM DEVELOPED ON 08/25/2021.

1. CHANGED TAKEOFF MINIMUMS FROM "RWY 17L, 17R, 18L, 18R, 35L: STANDARD WITH MINIMUM CLIMB OF 500 FT PER NM TO 600. RWY 35R: STANDARD WITH MINIMUM CLIMB OF 500 FT PER NM TO 600. ATC CLIMB OF 566 FT PER NM TO 2300. RWY 36L: STANDARD WITH MINIMUM CLIMB OF 500 FT PER NM TO 600. ATC CLIMB OF 637 FT PER NM TO 2300. RWY 36R: STANDARD WITH MINIMUM CLIMB OF 500 FT PER NM TO 600. ATC CLIMB OF 621 FT PER NM TO 2300." TO "RWY 17L, 17R, 18L, 18R, 35L, 35R, 36L, 36R: STANDARD WITH MINIMUM CLIMB OF 500 FT PER NM TO 600." - PER PRB.
2. DELETED PROCEDURAL DATA NOTE "NOTE: RWY 17L, 17R, 18L, 18R, 35L: IF UNABLE TO ACCEPT CLIMB RATE, ADVISE CLEARANCE DELIVERY/ATC ON INITIAL CONTACT." -



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EPCOT	TWO	EPCOT2.EPCOT	EPCOT ONE	04/22/2021	2 DEC 2021

PER PRB.

3. CHANGED PROCEDURAL DATA NOTE FROM "NOTE: RWY 35R, 36L, 36R: IF UNABLE TO ACCEPT ATC CLIMB RATE ADVISE ATC PRIOR TO TAXI." TO "NOTE: ATC CLIMB GRADIENT: RWY 35R: 566 FT/NM TO 2600, 36L: 637 FT/NM TO 2300, 36R: 621 FT/NM TO 2300, IF UNABLE TO ACCEPT CLIMB RATE ADVISE ATC PRIOR TO TAXI." - PER PRB.

4. CHANGED SPEED RESTRICTIONS FROM "CHART SPEED ICON MANDATORY SPEED 230 KIAS AT HANDD." AND "CHART SPEED ICON MANDATORY SPEED 230 KIAS AT EARRS." TO "CHART SPEED ICON MAXIMUM SPEED 230 KIAS AT EARRS." AND "CHART SPEED ICON MAXIMUM SPEED 230 KIAS AT HANDD." AND CHANGED CORRESPONDING SPEED ENTRIES ON FORM 8260-15C FROM "AT 230" TO "AT/BELOW 230" - CHANGED PER PRB.

5. CHANGED FORM 8260-15C SPEED FOR RW36R FROM "AT230" TO "AT 230" AND CHANGED RUNWAY ENTRY FROM "RWY 36L (AER)" TO "RW36L (AER)" - CORRECTED TYPO AND FORMATTING.

6. CHANGED "APP CON" TO "DEP CON" IN COMMUNICATIONS - THIS IS A DEPARTURE NOT AN APPROACH.



**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>
EPCOT		TWO		EPCOT2.EPCOT		EPCOT ONE		04/22/2021	2 DEC 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 PER NM TO 600
-	-	-	-	VM	215.00	-			
RW17R (AER)	282608.20N/0811745.17W	N	-	-	-	-			
600 MSL	-	-	-	VA	179.47	-			CG 500 FT PER NM TO 600
-	-	-	-	VM	215.00	-			
RW18L (AER)	282654.00N/0811920.30W	N	-	-	-	-			
600 MSL	-	-	-	VA	179.46	-			CG 500 FT PER NM TO 600
-	-	-	-	VM	185.00				
RW18R (AER)	282653.86N/0811937.11W	N	-	-	-	-			
600 MSL	-	-	-	VA	179.46	-			CG 500 FT PER NM TO 600
-	-	-	-	VM	185.00	-			
RW35L (AER)	282429.20N/0811744.13W	N	-	-	-	-			
-	282722.52N/0811745.94W	-	-	VI	359.47	02.88			CG 500 FT PER NM TO 600
SAWZZ	283100.60N/0811833.91W	Y	FB	CF	349.00	03.69	AT/ABOVE 2300	AT/BELOW 230K	
HANDD	283254.38N/0811923.95W	Y	FB	TF	338.78	02.03	AT/ABOVE 3000	AT/BELOW 230K	
LEFTI	283551.04N/0812112.48W	Y	FB	TF	331.54	03.34	AT/ABOVE 4000	AT 230K	
BLOSM	283546.29N/0812946.32W	Y	FB	TF	269.43	07.54	AT/BELOW 7000		

**QUALITY
22
CHECKED**

DP NAME				NUMBER		DP COMPUTER CODE		SUPERSEDED NUMBER		DATED		ACTUAL EFFECTIVE DATE	
EPCOT				TWO		EPCOT2.EPCOT		EPCOT ONE		04/22/2021		2 DEC 2021	
FIX/NAVAID	LAT/LONG	C	FO/FB	LEG TYPE	TC	DIST (NM)	ALTITUDE	SPEED	REMARKS				
GEMLE	283216.50N/0815530.25W	Y	FB	TF	261.35	22.92							
RW35R (AER)	282508.20N/0811656.38W	N	-	-	-	-							
-	282738.71N/0811657.92W	-	-	VI	359.48	02.50			CG 500 FT PER NM TO 600				
SAWZZ	283100.60N/0811833.91W	Y	FB	CF	337.21	03.64	AT/ABOVE 2300	AT/BELOW 230K					
HANDD	283254.38N/0811923.95W	Y	FB	TF	338.78	02.03	AT/ABOVE 3000	AT/BELOW 230K					
LEFTI	283551.04N/0812112.48W	Y	FB	TF	331.54	03.34	AT/ABOVE 4000	AT 230K					
BLOSM	283546.29N/0812946.32W	Y	FB	TF	269.43	07.54	AT/BELOW 7000						
GEMLE	283216.50N/0815530.25W	Y	FB	TF	261.35	22.92							
RW36L (AER)	283216.50N/0815530.25W	N	-	-	-	-							
600 MSL	-	-	-	VA	359.45	-	AT/ABOVE 600		CG 500 FT PER NM TO 600				
KYOTE	283035.80N/0811939.50W	Y	FB	DF	-	-	AT/ABOVE 2300	AT/BELOW 230K					
EARRS	283247.62N/0811940.52W	Y	FB	TF	359.61	02.19	AT/ABOVE 3000	AT/BELOW 230K					
LEFTI	283551.04N/0812112.48W	Y	FB	TF	336.13	03.33	AT/ABOVE 4000	AT 230K					
BLOSM	283546.29N/0812946.32W	Y	FB	TF	269.43	07.54	AT/BELOW 7000						
GEMLE	283216.50N/0815530.25W	Y	FB	TF	261.35	22.92							
RW36R (AER)	282455.15N/0811919.04W	N	-	-	-	-							
600 MSL	-	-	-	VA	359.46	-	AT/ABOVE 600		CG 500 FT PER NM TO 600				
FACTS	283039.75N/0811922.71W	Y	FB	DF	-	-	AT/ABOVE 2300	AT/BELOW 230K					
EARRS	283247.62N/0811940.52W	Y	FB	TF	352.99	02.14	AT/ABOVE 3000	AT/BELOW 230K					
LEFTI	283551.04N/0812112.48W	Y	FB	TF	336.13	03.33	AT/ABOVE 4000	AT 230K					
BLOSM	283546.29N/0812946.32W	Y	FB	TF	269.43	07.54	AT/BELOW 7000						

QUALITY

22

3000

QUALITY
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QUALITY
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