

**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SUPERSEDED NUMBER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>
FSHUN	TWO	FSHUN2.FSHUN	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 TUPPY, THENCE...

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

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

TAKEOFF RWY 18R: CLIMB ON HEADING 185.46 TO 600, THEN ON HEADING 191.00 OR AS ASSIGNED BY ATC, FOR VECTORS TO TUPPY, 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 192.23 TO TUPPY, 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 192.23 TO TUPPY, 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 192.23 TO TUPPY, 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 192.23 TO TUPPY, THENCE...

... ON TRACK 204.35 TO FSHUN. 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>
PLUMR	FSHUN2.PLUMR	FSHUN	PLUMR	TRACK 204.32	10.70	14000	1700	

PROCEDURAL DATA NOTES:

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

EQUIPMENT REQUIREMENT NOTES: RADAR REQUIRED

NOTE: JET AND TURBO-PROP 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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FSHUN	TWO	FSHUN2.FSHUN	ONE	04/22/2021	2 DEC 2021

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: MCO 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 1050.1 (LATEST EDITION) 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 TUPPY FOR AIRCRAFT RECEIVING VECTORS TO JOIN AN RNAV ROUTE.

WAIVER ON FILE PERMITTING CHARTING OF ATC REQUIRED CLIMB GRADIENTS.

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

FLIGHT INSPECTED BY

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

*Digitally signed by***ALLAN WILL**

Oct 07, 2021

OFFICE**DATE****OFFICE****DATE**

AJV-A423

07/20/2021

DEVELOPED BY*Digitally signed by***KELLIE R BARNES**

Oct 05, 2021

OFFICE**DATE**

AJV-A420

TITLE

MANAGER

APPROVED BY*Digitally signed by***ALLAN WILL**

Oct 07, 2021

MARLON ROBINSON



<u>DP NAME</u>	<u>NUMBER</u>	<u>DP COMPUTER CODE</u>	<u>SUPERSEDED NUMBER</u>	<u>DATED</u>	<u>ACTUAL EFFECTIVE DATE</u>
FSHUN	TWO	FSHUN2.FSHUN	ONE	04/22/2021	2 DEC 2021

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 "NOTE: RWY 35R, 36L, 36R: IF UNABLE TO ACCEPT CLIMB RATE ADVISE ATC PRIOR TO TAXI" - ATC REQUEST TO ENSURE AIRCRAFT SEPARATION FROM ARRIVING/DEPARTING TRAFFIC AT ORLANDO EXECUTIVE (KORL)
2. REMOVED "DME/DME/IRU OR GPS REQUIRED" AND "NOTE: RNAV 1" FROM PROCEDURAL DATA NOTES - 8260.46H 2-1-1
3. ADDED "PBN REQUIREMENT NOTES: RNAV 1 - DME/DME/IRU OR GPS" AND "EQUIPMENT REQUIREMENT NOTES: RADAR REQUIRED" TO PROCEDURAL DATA NOTES - 8260.46H 2-1-1 F; PRB REQUEST
4. CHANGED "NOTE: IF UNABLE TO ACCEPT CLIMB RATE, ADVISE CLEARANCE DELIVERY/ATC ON INITIAL CONTACT" TO "NOTE: RWY 17L, 17R, 18L, 18R, 35L; IF UNABLE TO ACCEPT CLIMB RATE, ADVISE CLEARANCE DELIVERY/ATC ON INITIAL CONTACT" - RUNWAY NUMBERS ADDED TO CLARIFY WHICH CLIMB RATE NOTES APPLY TO WHICH RUNWAYS
5. 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" - ATC CLIMB GRADIENT REQUEST TO ENSURE AIRCRAFT SEPARATION FROM ARRIVING/DEPARTING TRAFFIC AT ORLANDO EXECUTIVE (KORL)
6. ADDED "WAIVER ON FILE PERMITTING CHARTING OF ATC REQUIRED CLIMB GRADIENTS" TO REMARKS - 8260.46H 2-1-1 E
7. ADDED "APPROVAL ON FILE FOR CLIMB GRADIENTS IN EXCESS OF 500 FEET PER NM" TO REMARKS - 8260.46H 2-1-1 D

09/28/21: THIS IS AN UPDATED VERSION OF THE FORM DEVELOPED ON 07/20/21.

1. DELETED "NOTE: RWY 17L, 17R, 18L, 18R, 35L; IF UNABLE TO ACCEPT CLIMB RATE, ADVISE CLEARANCE DELIVERY/ATC ON INITIAL CONTACT"
2. DELETED "NOTE: RWY 35R, 36L, 36R: IF UNABLE TO ACCEPT ATC CLIMB RATE ADVISE ATC PRIOR TO TAXI"
3. ADDED "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"
4. REMOVED ATC CLIMB RATES FROM RWY 35R, 36L, AND 36R IN TAKEOFF MINIMUMS
5. COMBINED ALL RUNWAYS INTO "STANDARD WITH MINIMUM CLIMB OF 500 FT PER NM TO 600" IN TAKEOFF MINIMUMS
6. CHANGED "NOTE: JET AND TURBO-PROP AIRCRAFT" TO "NOTE: JET AND TURBO-PROP AIRCRAFT ONLY"
7. CHANGED SPEED RESTRICTION AT HANDD FROM AT 230 KIAS TO AT OR BELOW 230 KIAS IN RWY 35L AND 35R DP ROUTE DESCRIPTION
8. CHANGED SPEED RESTRICTION AT EARRS FROM AT 230 KIAS TO AT OR BELOW 230 KIAS IN RWY 36L AND 36R DP ROUTE DESCRIPTION
9. CHANGED "CHART SPEED ICON MANDATORY SPEED 230 KIAS AT HANDD" TO "CHART SPEED ICON MAXIMUM SPEED 230 KIAS AT HANDD"
10. CHANGED "CHART SPEED ICON MANDATORY SPEED 230 KIAS AT EARRS" TO "CHART SPEED ICON MAXIMUM SPEED 230 KIAS AT EARRS"
11. CHANGED SPEED RESTRICTION AT HANDD FROM AT 230K TO AT/BELOW 230K ON 8260-15C
12. CHANGED SPEED RESTRICTION AT EARRS FROM AT 230K TO AT/BELOW 230K ON 8260-15C



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

DP NAME				NUMBER		DP COMPUTER CODE		SUPERSEDED NUMBER		DATED		ACTUAL EFFECTIVE DATE	
FSHUN				TWO		FSHUN2.FSHUN		ONE		04/22/2021		2 DEC 2021	
FIX/NAVAID	LAT/LONG	C	FO/FB	LEG TYPE	TC	DIST (NM)	ALTITUDE	SPEED	REMARKS				
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	-							
RWY 35L (AER)	282429.20N/0811744.13W	N	-	-	-	-							
-	282722.52N/0811745.94W	Y	-	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

CP

**QUALITY
22
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>
FSHUN		TWO		FSHUN2.FSHUN		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>
TUPPY	280028.21N/0813406.94W	Y	FB	TF	186.23	35.42			
RW35R (AER)	282508.20N/0811656.38W	N	-	-	-	-			
-	282738.70N/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		
TUPPY	280028.21N/0813406.94W	Y	FB	TF	186.23	35.42			
RWY 36L (AER)	282455.01N/0811935.83W	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	TB	TF	269.43	07.54	AT/BELOW 7000		
TUPPY	280028.21N/0813406.94W	Y	FB	TF	186.23	35.42			
RWY36R (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	
EARSS	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
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>
FSHUN		TWO		FSHUN2.FSHUN		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>
TUPPY	280028.21N/0813406.94W	Y	FB	TF	186.23	35.42			
TUPPY	280028.21N/0813406.94W	Y	-	IF	-	-			
FSHUN	275057.11N/0813740.01W	Y	FB	TF	198.35	10.00			
FSHUN	275057.11N/0813740.01W	Y	-	IF	-	-		FSHUN2.PLUMR	
PLUMR	274045.95N/0814127.30W	Y	FB	TF	198.32	10.70			

