

**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SUPERSEDED NUMBER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>
LEWRD	ONE	LEWRD1.LEWRD	NONE		<i>22 APR 2021</i>

<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"/>

**This is a corrected copy of the procedure published in NFDD 043.
** See page 3 for details. ****

DP ROUTE DESCRIPTION:

TAKEOFF RWY 17L: CLIMB HEADING 185.48 TO 600, THEN ON HEADING 221.00 OR AS ASSIGNED BY ATC, FOR VECTORS TO SAAIL, THENCE ...

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

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

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

TAKEOFF RWY 35L: CLIMB 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 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 246.48 TO SAAIL, THENCE ...

TAKEOFF RWY 35R: CLIMB 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 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 246.48 TO SAAIL, THENCE ...

TAKEOFF RWY 36L: CLIMB HEADING 005.45 TO 600, THEN DIRECT KYOTE TO CROSS AT OR ABOVE 2300 AND AT OR BELOW 230 KIAS, THEN ON TRACK 005.61 TO CROSS EARRS AT OR ABOVE 3000 AND AT 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 246.48 TO SAAIL, THENCE ...

TAKEOFF RWY 36R: CLIMB HEADING 005.46 TO 600, THEN DIRECT FACTS TO CROSS AT OR ABOVE 2300 AND AT OR BELOW 230 KIAS, THEN ON TRACK 358.99 TO CROSS EARRS AT OR ABOVE 3000 AND AT 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 246.48 TO SAAIL, THENCE ...

...ON TRACK 261.56 TO LEWRD. 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>
CIGAR	LEWRD1.CIGAR	LEWRD	KNOST	TRACK 260.32	74.47	FL180		
		KNOST	CIGAR	TRACK 253.57	78.50	FL180		
REMIS	LEWRD1.REMIS	LEWRD	KNOST	TRACK 260.32	74.47	FL180		
		KNOST	REMIS	TRACK 272.33	97.74	FL180		



<u>DP NAME</u>	<u>NUMBER</u>	<u>DP COMPUTER CODE</u>	<u>SUPERSEDED NUMBER</u>	<u>DATED</u>	<u>ACTUAL EFFECTIVE DATE</u>
LEWRD	ONE	LEWRD1.LEWRD	NONE		<i>22 APR 2021</i>

PROCEDURAL DATA NOTES:

NOTE: GPS REQUIRED

NOTE: RADAR REQUIRED

NOTE: RNAV 1

NOTE: JET AIRCRAFT ONLY.

NOTE: IF UNABLE TO ACCEPT CLIMB RATE, ADVISE CLEARANCE DELIVERY/ATC ON INITIAL CONTACT.

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 230 KIAS AT SAWZZ.

CHART SPEED ICON MAXIMUM SPEED 230 KIAS AT KYOTE.

CHART SPEED ICON MAXIMUM SPEED 230 KIAS AT FACTS.

CHART SPEED ICON MANDATORY SPEED 230 KIAS AT HANDD.

CHART SPEED ICON MANDATORY SPEED 230 KIAS AT LEFTI.

CHART SPEED ICON MANDATORY SPEED 230 KIAS AT EARRS.

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.

CHART NOTE: SEE ADDITIONAL REQUIREMENTS ON AAUP.

WAIVER ON FILE TO NOT CHART MCA AT THE IF FOR RADAR VECTORS.

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



<u>DP NAME</u>	<u>NUMBER</u>	<u>DP COMPUTER CODE</u>	<u>SUPERSEDED NUMBER</u>	<u>DATED</u>	<u>ACTUAL EFFECTIVE DATE</u>
LEWRD	ONE	LEWRD1.LEWRD	NONE		22 APR 2021
<hr/>					
<u>FLIGHT INSPECTED BY</u>	<i>Digitally signed by</i>		<u>OFFICE</u>	<u>DATE</u>	
EDWARD W MESA	ALLAN WILL		FICO	02/12/2021	
	Mar 11, 2021				
<u>DEVELOPED BY</u>	<i>Digitally signed by</i>		<u>OFFICE</u>	<u>DATE</u>	
PHILLIP BRANDENBURG	PHILLIP BRANDENBURG		AJV-A423	10/09/2020	
	Mar 09, 2021				
<u>APPROVED BY</u>	<i>Digitally signed by</i>		<u>OFFICE</u>	<u>DATE</u>	<u>TITLE</u>
MARLON ROBINSON	ALLAN WILL		AJV-A420		MANAGER
	Mar 11, 2021				
<u>REQUIRED EFFECTIVE DATE</u>					
ROUTINE					
<u>COORDINATED WITH:</u>					

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

CHANGES - REASONS:
ORIGINAL.

01/14/2021: THIS IS A UPDATED COPY OF THE FORM DEVELOPED ON 10/09/2020
1. ADDED "FOR VECTORS TO SAAIL" TO ROUTE DESCRIPTION FOR RWYS 17L/R, 18L/R - AS DIRECTED BY ATC.

02/16/2021: THIS IS A UPDATED COPY OF THE FORM DEVELOPED ON 10/09/2020
1. CHANGED NOTE FROM DME/DME/IRU OR GPS REQUIRED TO GPS REQUIRED - PROCEDURE IS GNSS ONLY

3/9/21. THIS IS A CORRECTED COPY OF THE FORM APPROVED ON 2/18/21.
1. CHANGED CIGAR TRANSITION COMPUTER CODE FROM LEWRD1.KNOST TO LEWRD1.CIGAR.



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

DP NAME				NUMBER		DP COMPUTER CODE		SUPERSEDED NUMBER		DATED		ACTUAL EFFECTIVE DATE	
LEWRD				ONE		LEWRD1.LEWRD		NONE				22 APR 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/NM TO 600				
				VM	215.00								
RW17R (AER)	282608.20N/0811745.17W	N											
600 MSL				VA	179.47				CG 500 FT/NM TO 600				
				VM	215.00								
RW18L (AER)	282654.00N/0811920.30W	N											
600 MSL				VA	179.46				CG 500 FT/NM TO 600				
				VM	185.00								
RW18R (AER)	282653.86N/0811937.11W	N											
600 MSL				VA	179.46				CG 500 FT/NM TO 600				
				VM	185.00								
RW35L (AER)	282429.20N/0811744.13W	N											
	282722.52N/0811745.94W			VI	359.47	2.88			CG 500 FT/NM TO 600				
SAWZZ	283100.60N/0811833.91W	Y	FB	CF	349.00	3.69	AT/ABOVE 2300	AT/BELOW 230K					
HANDD	283254.38N/0811923.95W	Y	FB	TF	338.78	2.03	AT/ABOVE 3000	AT 230K					
LEFTI	283551.04N/0812112.48W	Y	FB	TF	331.54	3.34	AT/ABOVE 4000	AT 230K					
BLOSM	283546.29N/0812946.32W	Y	FB	TF	269.43	7.54	AT/BELOW 7000						

QUALITY
20

QUALITY
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CHECKED

DP NAME		NUMBER					DP COMPUTER CODE		SUPERSEDED NUMBER		DATED	ACTUAL EFFECTIVE DATE
LEWRD		ONE					LEWRD1.LEWRD		NONE			22 APR 2021
FIX/NAVAID	LAT/LONG	C	FO/FB	LEG TYPE	TC	DIST (NM)	ALTITUDE	SPEED	REMARKS			
SAAIL	282230.46N/0815610.47W	Y	FB	TF	240.48	26.76						
RW35R (AER)	282508.20N/0811656.38W	N										
	282738.70N/0811657.92W			VI	359.48	2.50			CG 500 FT/NM TO 600			
SAWZZ	283100.60N/0811833.91W	Y	FB	CF	337.21	3.64	AT/ABOVE 2300	AT/BELOW 230K				
HANDD	283254.38N/0811923.95W	Y	FB	TF	338.78	2.03	AT/ABOVE 3000	AT 230K				
LEFTI	283551.04N/0812112.48W	Y	FB	TF	331.54	3.34	AT/ABOVE 4000	AT 230K				
BLOSM	283546.29N/0812946.32W	Y	FB	TF	269.43	7.54	AT/BELOW 7000					
SAAIL	282230.46N/0815610.47W	Y	FB	TF	240.48	26.76						
RW36L (AER)	282455.01N/0811935.83W	N										
600 MSL				VA	359.45		AT/ABOVE 600		CG 500 FT/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	2.19	AT/ABOVE 3000	AT 230K				
LEFTI	283551.04N/0812112.48W	Y	FB	TF	336.13	3.33	AT/ABOVE 4000	AT 230K				
BLOSM	283546.29N/0812946.32W	Y	FB	TF	269.43	7.54	AT/BELOW 7000					
SAAIL	282230.46N/0815610.47W	Y	FB	TF	240.48	26.76						
RW36R (AER)	282455.15N/0811919.04W	N										
600 MSL				VA	359.46		AT/ABOVE 600		CG 500 FT/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	2.14	AT/ABOVE 3000	AT 230K				
LEFTI	283551.04N/0812112.48W	Y	FB	TF	336.13	3.33	AT/ABOVE 4000	AT 230K				
BLOSM	283546.29N/0812946.32W	Y	FB	TF	269.43	7.54	AT/BELOW 7000					

QUALITY
20
CHECKED

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DP NAME					NUMBER	DP COMPUTER CODE	SUPERSEDED NUMBER	DATED	ACTUAL EFFECTIVE DATE
LEWRD					ONE	LEWRD1.LEWRD	NONE		22 APR 2021
FIX/NAVAID	LAT/LONG	C	FO/FB	LEG TYPE	TC	DIST (NM)	ALTITUDE	SPEED	REMARKS
SAAIL	282230.46N/0815610.47W	Y	FB	TF	240.48	26.76			
SAAIL	282230.46N/0815610.47W	Y		IF					
LEWRD	282037.71N/0820424.36W	Y	FB	TF	255.56	7.50			
LEWRD	282037.71N/0820424.36W	Y		IF					LEWRD1.CIGAR
KNOST	280002.55N/0832523.99W	Y	FB	TF	254.32	74.47			
CIGAR	272936.61N/0844659.51W	Y	FB	TF	247.57	78.50			
LEWRD	282037.71N/0820424.36W	Y		IF					LEWRD1.REMIS
KNOST	280002.55N/0832523.99W	Y	FB	TF	254.32	74.47			
REMIS	275302.59N/0851528.39W	Y	FB	TF	266.33	97.74			

