

**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SUPERSEDED NUMBER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>EFFECTIVE DATE</u>
OLEMS	FIVE	OLEMS5.OLEMS	FOUR	08/17/2017	08 NOV 2018
<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 9: CLIMB HEADING 092.95 TO 860, THEN CONTINUE CLIMB TO 2300 ON HEADING 092.95 OR AS ASSIGNED BY ATC, FOR RADAR VECTORS TO CASLN, THEN ON DEPICTED ROUTE TO OLEMS, THENCE...

TAKEOFF RWY 18C: CLIMB HEADING 180.01 TO 860, THEN DIRECT GADEC, THEN ON DEPICTED ROUTE TO OLEMS, THENCE...

TAKEOFF RWY 18L: CLIMB HEADING 180.00 TO 860, THEN DIRECT GADEC, THEN ON DEPICTED ROUTE TO OLEMS, THENCE...

TAKEOFF RWY 18R: CLIMB HEADING 179.99 TO 860, THEN DIRECT EMIIT, THEN ON DEPICTED ROUTE TO OLEMS, THENCE...

TAKEOFF RWY 27: CLIMB HEADING 272.97 TO 860, THEN CONTINUE CLIMB TO 2300 ON HEADING 272.97 OR AS ASSIGNED BY ATC, FOR RADAR VECTORS TO CASLN, THEN ON DEPICTED ROUTE TO OLEMS, THENCE...

TAKEOFF RWY 36C: CLIMB HEADING 000.01 TO INTERCEPT COURSE 324.54 TO BEEAL, THEN ON DEPICTED ROUTE TO OLEMS, THENCE...

TAKEOFF RWY 36L: CLIMB HEADING 359.99 TO INTERCEPT COURSE 332.01 TO BEEAL, THEN ON DEPICTED ROUTE TO OLEMS, THENCE...

TAKEOFF RWY 36R: CLIMB HEADING 360.00 TO INTERCEPT COURSE 324.52 TO BEEAL, THEN ON DEPICTED ROUTE TO OLEMS, THENCE...

...MAINTAIN 5000. EXPECT CLEARANCE TO FILED ALTITUDE WITHIN TEN (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>
LEYIK	OLEMS5.LEYIK	OLEMS	LEYIK	TRACK 128.92	2.00	8600	1800	

PROCEDURAL DATA NOTES:

NOTE: DME/DME/IRU OR GPS REQUIRED.

NOTE: RNAV 1.

NOTE: TURBOJETS ONLY.

NOTE: TAKEOFF RWY 18L, 18C, 18R, 36L, 36C, 36R - RADAR REQUIRED FOR NON-GPS EQUIPPED AIRCRAFT.

NOTE: TAKEOFF RWY 9, 27 - RADAR REQUIRED.

NOTE: PROCEDURE AUTHORIZED 0200-0600 LOCAL ONLY.

NOTE: TRANSPONDER CODE WILL BE ISSUED VIA PDC OR MEMPHIS CLEARANCE DELIVERY.

NOTE: ACCELERATE TO 250 KIAS, IF UNABLE ADVISE ATC.

NOTE: IF UNABLE TO ACCEPT CLIMB RATES, ADVISE ATC ON INITIAL CONTACT.

TAKEOFF MINIMUMS:

RWY 9, 18L, 18C, 18R, 27, 36L, 36C, 36R: STANDARD WITH MINIMUM CLIMB OF 500 FT PER NM TO 860.

TAKEOFF OBSTACLES NOTES:

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

CONTROLLING OBSTACLES:

RWY 36C: 617 FT MSL ATC TOWER 350258.68N/0895853.69W.

LOST COMMUNICATIONS PROCEDURES:

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ADDITIONAL FLIGHT DATA:

CHART: TOP ALTITUDE: 5000

REFERENCE MAG VAR: KMEM 1W EPOCH YR: 2020

DME/DME ASSESSMENT: SAT (RNP 2.0)

AIRPORTS SERVED:

<u>AIRPORT NAME</u>	<u>CITY</u>	<u>STATE</u>
MEMPHIS INTL (KMEM)	MEMPHIS	TN

COMMUNICATIONS:

ATIS, CLNC DEL, GRND CON, TOWER, DEP CON

FIXES AND/OR NAVAIDS:

PRYMD, EMAXE, HOOSE

REMARKS:

ABBREVIATED AMENDMENT

WAIVER REQUESTED FOR 8260.46F, APNDX E, SECT 1, PARA 10C, REMOVE MCA 5000 AT CASLN.

A COURSE CHANGE OF 45 DEGREES WAS USED AT THE IDF IN LIEU OF 90 DEGREES (AT OR BELOW FL195) AND 70 DEGREES (ABOVE FL195). REQUIRED ATC APPROVAL IS ATTACHED.

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

CATEGORICAL EXCLUSION ISSUED.

FLIGHT INSPECTED BY:

JEFFREY ECKMAN

OFFICE SYMBOL:

FICO

DATE:

4/10/18

DEVELOPED BY: *Digitally signed by*

HEIDI SNIDER

HEIDI SNIDER

Jul 17, 2018

OFFICE SYMBOL:

AJV-5423

DATE:

02/08/2018

APPROVED BY:

JULIE A. MORGAN

OFFICE SYMBOL:

AJV-5420

DATE:**REQUIRED EFFECTIVE DATE:**

ROUTINE

COORDINATED WITH:

<u>A4A</u>	<u>ALPA</u>	<u>AOPA</u>	<u>APA</u>	<u>HAI</u>	<u>NBAA</u>
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

OTHER:

ZME, MEM APP CON, MEM ATCT, ARPT MGR

QUALITY
35
CHECKED

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OLEMS	FIVE	OLEMS5.OLEMS	FOUR	08/17/2017	08 NOV 2018

CHANGES - REASONS:

1. DP ROUTE DESCRIPTION FOR RWY 9, 27: REMOVED CROSSING RESTRICTION "TO CROSS CASLN AT OR ABOVE 5000" - ATC REQUEST.
2. REMOVED MCA AT CASLN- WAIVER FILED
3. REMOVED TAKEOFF OBSTACLE NOTES - IAW MEMO # 259.

07/17/18: THIS IS AN UPDATED COPY OF THE FORM DEVELOPED ON 02/08/2018:

1. UPDATED DP ROUTE DESCRIPTION FOR RWY 9, 27: ADDED "THEN CONTINUE CLIMB TO 2300 ON HEADING..."

09/11/18: THIS IS AN UPDATED COPY OF THE FORM DEVELOPED ON 02/08/2018

1. ADDITIONAL FLIGHT DATA - DELETED: CHART: MEA/MOCA FROM CASLN TO OLEMS, 8200/1800.



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

DP NAME		NUMBER		DP COMPUTER CODE		SUPERSEDED NUMBER		DATED		EFFECTIVE DATE	
OLEMS		FIVE		OLEMS5.OLEMS		FOUR		08/17/2017		08 NOV 2018	
FIX/NAVAID	LAT/LONG	C	FO/FB	LEG TYPE	TC	DIST (NM)	ALTITUDE	SPEED	REMARKS		
RW09 (AER)	350331.04N/0895908.63W	N	-	-	-	-					
860 MSL	-	-	-	VA	091.95	-			CG 500 FT/NM TO 860		
2300 MSL		-	-	VM	091.95	-					
CASLN	343254.55N/0894554.63W	Y	FB	DF	-	-					
OLEMS	342922.40N/0894025.87W	Y	FB	TF	127.92	5.74					
RW18C (AER)	350316.54N/0895834.21W	N	-	-	-	-					
860 MSL	-	-	-	VA	179.01	-			CG 500 FT/NM TO 860		
GADEC	345911.38N/0895829.05W	Y	FB	DF	-	-					
XANDR	345240.80N/0895820.78W	Y	FB	TF	179.00	6.50					
EMIIT	344153.27N/0895925.66W	Y	FB	TF	184.73	10.81					
CASLN	343254.55N/0894554.63W	Y	FB	TF	128.72	14.31					
OLEMS	342922.40N/0894025.87W	Y	FB	TF	127.92	5.74					
RW18L (AER)	350255.74N/0895822.63W	N	-	-	-	-					
860 MSL	-	-	-	VA	179.00	-			CG 500 FT/NM TO 860		
GADEC	345911.38N/0895829.05W	Y	FB	DF	-	-					
XANDR	345240.80N/0895820.78W	Y	FB	TF	179.00	6.50					
EMIIT	344153.27N/0895925.66W	Y	FB	TF	184.73	10.81					
CASLN	343254.55N/0894554.63W	Y	FB	TF	128.72	14.31					
OLEMS	342922.40N/0894025.87W	Y	FB	TF	127.92	5.74					

QUALITY
35
CHECKED

**FEDERAL AVIATION ADMINISTRATION
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DEPARTURE (DATA RECORD)**

DP NAME							NUMBER	DP COMPUTER CODE	SUPERSEDED NUMBER	DATED	EFFECTIVE DATE
OLEMS							FIVE	OLEMS5.OLEMS	FOUR	08/17/2017	08 NOV 2018
FIX/NAVAID	LAT/LONG	C	FO/FB	LEG TYPE	TC	DIST (NM)	ALTITUDE	SPEED		REMARKS	
RW18R (AER)	350258.16N/0895914.79W	N	-	-	-	-					
860 MSL	-	-	-	VA	178.99	-				CG 500 FT/NM TO 860	
EMIIT	344153.27N/0895925.66W	Y	FB	DF	-	-					
CASLN	343254.55N/0894554.63W	Y	FB	TF	128.72	14.31					
OLEMS	342922.40N/0894025.87W	Y	FB	TF	127.92	5.74					
RW27 (AER)	350328.01N/0895721.08W	N	-	-	-	-					
860 MSL	-	-	-	VA	271.97	-				CG 500 FT/NM TO 860	
2300 MSL	-	-	-	VM	271.97	-					
CASLN	343254.55N/0894554.63W	Y	FB	DF	-	-					
OLEMS	342922.40N/0894025.87W	Y	FB	TF	127.92	5.74					
RW36C (AER)	350126.58N/0895831.90W	N	-	-	-	-					
-	350430.77N/0895835.77W	-	-	VI	359.01	3.07				CG 500 FT/NM TO 860	
BEEAL	350837.23N/0900217.24W	Y	FB	CF	323.54	5.10				REFERENCE NAVAID: MHZ VORTAC	
PRYMD	350848.18N/0900827.62W	Y	FB	TF	272.09	5.07					
EMAXE	350514.52N/0901215.67W	Y	FB	TF	221.27	4.73					
HOOSE	350046.88N/0901140.96W	Y	FB	TF	173.91	4.48					
CASLN	343254.55N/0894554.63W	Y	FB	TF	142.54	35.00					
OLEMS	342922.40N/0894025.87W	Y	FB	TF	127.92	5.74					

QUALITY
35
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DEPARTURE (DATA RECORD)**

DP NAME							NUMBER	DP COMPUTER CODE	SUPERSEDED NUMBER	DATED	EFFECTIVE DATE
OLEMS							FIVE	OLEMS5.OLEMS	FOUR	08/17/2017	08 NOV 2018
FIX/NAVAID	LAT/LONG	C	FO/FB	LEG TYPE	TC	DIST (NM)	ALTITUDE	SPEED		REMARKS	
RW36L (AER)	350125.98N/0895912.81W	N	-	-	-	-					
-	350408.72N/0895916.31W	-	-	VI	358.99	2.71				CG 500 FT/NM TO 860	
BEEAL	350837.23N/0900217.24W	Y	FB	CF	331.01	5.11				REFERENCE NAVAID: MHZ VORTAC	
PRYMD	350848.18N/0900827.62W	Y	FB	TF	272.09	5.07					
EMAXE	350514.52N/0901215.67W	Y	FB	TF	221.27	4.73					
HOOSE	350046.88N/0901140.96W	Y	FB	TF	173.91	4.48					
CASLN	343254.55N/0894554.63W	Y	FB	TF	142.54	35.00					
OLEMS	342922.40N/0894025.87W	Y	FB	TF	127.92	5.74					
RW36R (AER)	350126.74N/0895820.75W	N	-	-	-	-					
-	350418.26N/0895824.38W	-	-	VI	359.00	2.85				CG 500 FT/NM TO 860	
BEEAL	350837.23N/0900217.24W	Y	FB	CF	323.52	5.36				REFERENCE NAVAID: MHZ VORTAC	
PRYMD	350848.18N/0900827.62W	Y	FB	TF	272.09	5.07					
EMAXE	350514.52N/0901215.67W	Y	FB	TF	221.27	4.73					
HOOSE	350046.88N/0901140.96W	Y	FB	TF	173.91	4.48					
CASLN	343254.55N/0894554.63W	Y	FB	TF	142.54	35.00					
OLEMS	342922.40N/0894025.87W	Y	FB	TF	127.92	5.74					
ENROUTE TRANSITION											
OLEMS	342922.40N/0894025.87W	Y	-	IF	-	-				OLEMS5.LEYIK	
LEYIK	342808.51N/0893831.37W	Y	FB	TF	127.92	2.00					

QUALITY
3
CHECKED