

**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SUPERSEDED NUMBER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	FOUR	OLEMS4.OLEMS	THREE	04/30/2015	17 AUG 2017

<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 121.
** See page 3 for details. **

DP ROUTE DESCRIPTION:

TAKEOFF RWY 9: CLIMB HEADING 092.95 TO 860, THEN CONTINUE CLIMB ON HEADING 092.95 OR AS ASSIGNED BY ATC, FOR RADAR VECTORS TO CROSS CASLN AT OR ABOVE 5000, 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 ON HEADING 272.97 OR AS ASSIGNED BY ATC, FOR RADAR VECTORS TO CROSS CASLN AT OR ABOVE 5000, 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	OLEMS4.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:

NOTE: RWY 9: LIGHT POLE 1497 FT FROM DER, 799 FT LEFT OF CENTERLINE, 43 FT AGL/342 FT MSL.

NOTE: RWY 18R: VORTAC AND ROD ON POLE BEGINNING 3209 FT FROM DER, 1019 FT LEFT OF CENTERLINE, UP TO 43 FT AGL/412 FT MSL. TREES 3231 FT FROM DER, 1038 FT RIGHT OF CENTERLINE, UP TO 87 FT AGL/406 FT MSL.

NOTE: RWY 27: TREES 4145 FT FROM DER, 1382 FT LEFT OF CENTERLINE, UP TO 112 FT AGL/361 FT MSL.

NOTE: RWY 36C: LIGHT POLE 1948 FT FROM DER, 928 FT RIGHT OF CENTERLINE, 77 FT AGL/336 FT MSL.

CONTROLLING OBSTACLES:

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



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OLEMS	FOUR	OLEMS4.OLEMS	THREE	04/30/2015	17 AUG 2017

LOST COMMUNICATIONS PROCEDURES:

ADDITIONAL FLIGHT DATA:

CHART: TOP ALTITUDE: 5000

REFERENCE MAG VAR: KMEM 1W EPOCH YR: 2020

DME/DME ASSESSMENT: SAT (RNP 2.0)

CHART: MEA/MOCA FROM CASLN TO OLEMS, 8200/1800

AIRPORTS SERVED:

<u>AIRPORT NAME</u>	<u>CITY</u>	<u>STATE</u>
MEMPHIS INTL	MEMPHIS	TN

COMMUNICATIONS:

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

FIXES AND/OR NAVAIDS:

PRYMD, EMAXE, HOOSE

REMARKS:

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:

BRENT BOOKER *Digitally signed by*
DION E LANCIA
Jun 30, 2017

OFFICE SYMBOL:

FICO

DATE:

05/30/2017

DEVELOPED BY:

JIMMY SANG HUGHES *Digitally signed by*
JIMMY S HUGHES
Jun 27, 2017

OFFICE SYMBOL:

AJV-5422

DATE:

03/20/2017

APPROVED BY:

JULIE A. MORGAN *Digitally signed by*
DION E LANCIA
Jun 30, 2017

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
32
CHECKED

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<u>DP NAME</u>	<u>NUMBER</u>	<u>DP COMPUTER CODE</u>	<u>SUPERSEDED NUMBER</u>	<u>DATED</u>	<u>EFFECTIVE DATE</u>
OLEMS	FOUR	OLEMS4.OLEMS	THREE	04/30/2015	17 AUG 2017

CHANGES - REASONS:

1. FIX CASLN MOVED 6.45 FT NW - LEG LENGTH CRITERIA.
2. XANDR ADDED TO RWY 18C/18L TRANSITIONS - SEPARATION FROM RWY 18R DEPARTURES.
3. PNA AT CASLN ELIMINATED. - ATC REQUEST.
4. RWY 36L CF TRACK TO BEEAL CHANGED FROM 330.06 TO 332.01 - ATC REQUEST.
5. RWY 36R CF TRACK TO BEEAL CHANGED FROM 322.58 TO 324.52 - ATC REQUEST.
6. DP ROUTE DESCRIPTION FOR RWY 9, 27: ADDED "OR AS ASSIGNED BY ATC" - ATC REQUEST.
7. ALL HEADINGS AND COURSES CHANGED BY 2 DEGREES - MAGVAR CHANGED FROM 1E TO 1W.

6/27/17: THIS IS A CORRECTED COPY OF THE FORM APPROVED ON 6/19/17. JH

1. CHANGED LEYIK TRANSITION ROUTE FROM TRACK 126.92 TO TRACK 128.92.



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

DP NAME		NUMBER		DP COMPUTER CODE		SUPERSEDED NUMBER		DATED		EFFECTIVE DATE	
OLEMS		FOUR		OLEMS4.OLEMS		THREE		04/30/2015		17 AUG 2017	
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		
		-	-	VM	091.95	-					
CASLN	343254.55N/0894554.63W	Y	FB	DF	-	-	AT/ABOVE 5000				
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	AT/ABOVE 5000				
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	AT/ABOVE 5000				
OLEMS	342922.40N/0894025.87W	Y	FB	TF	127.92	5.74					
											QUALITY
											3
											CHECKED

QUALITY
3
CHECKED

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

DP NAME							NUMBER	DP COMPUTER CODE	SUPERSEDED NUMBER	DATED	EFFECTIVE DATE
OLEMS							FOUR	OLEMS4.OLEMS	THREE	04/30/2015	17 AUG 2017
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	AT/ABOVE 5000				
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	
-	-	-	-	VM	271.97	-					
CASLN	343254.55N/0894554.63W	Y	FB	DF	-	-	AT/ABOVE 5000				
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				RECOMMENDED 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	AT/ABOVE 5000				
OLEMS	342922.40N/0894025.87W	Y	FB	TF	127.92	5.74					

QUALITY

3

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QUALITY
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DEPARTURE (DATA RECORD)**

DP NAME							NUMBER	DP COMPUTER CODE	SUPERSEDED NUMBER	DATED	EFFECTIVE DATE
OLEMS							FOUR	OLEMS4.OLEMS	THREE	04/30/2015	17 AUG 2017
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				RECOMMENDED 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	AT/ABOVE 5000				
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				RECOMMENDED 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	AT/ABOVE 5000				
OLEMS	342922.40N/0894025.87W	Y	FB	TF	127.92	5.74					
ENROUTE TRANSITION											
OLEMS	342922.40N/0894025.87W	Y	-	IF	-	-				OLEMS4.LEYIK	
LEYIK	342808.51N/0893831.37W	Y	FB	TF	127.92	2.00					

QUALITY

3

QUALITY
3
CHECKED