

**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SUPERSEDED NUMBER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>
CRSON	SIX	CRSON6.CRSON	FIVE	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 VECTORS TO LYZZI THEN ON DEPICTED ROUTE TO CRSON, THENCE...

TAKEOFF RWY 18C: CLIMB HEADING 180.01 TO INTERCEPT COURSE 160.50 TO RIBZZ, THEN ON DEPICTED ROUTE TO CRSON, THENCE...

TAKEOFF RWY 18L: CLIMB HEADING 180.00 TO INTERCEPT COURSE 162.80 TO RIBZZ, THEN ON DEPICTED ROUTE TO CRSON, THENCE...

TAKEOFF RWY 18R: CLIMB HEADING 179.99 TO INTERCEPT COURSE 153.00 TO RIBZZ, THEN ON DEPICTED ROUTE TO CRSON, 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 VECTORS TO LYZZI THEN ON DEPICTED ROUTE TO CRSON, THENCE...

TAKEOFF RWY 36C: CLIMB HEADING 000.01 TO INTERCEPT COURSE 011.97 TO SLONN, THEN ON DEPICTED ROUTE TO CRSON, THENCE...

TAKEOFF RWY 36L: CLIMB HEADING 359.99 TO INTERCEPT COURSE 014.97 TO SLONN, THEN ON DEPICTED ROUTE TO CRSON, THENCE...

TAKEOFF RWY 36R: CLIMB HEADING 360.00 TO INTERCEPT COURSE 010.99 TO SLONN, THEN ON DEPICTED ROUTE TO CRSON, 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>
HUMMS	CRSON6.HUMMS	CRSON	HUMMS	TRACK 032.27	48.80	18000	1900	

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: 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 RATE, 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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CRSON	SIX	CRSON6.CRSON	FIVE	08/17/2017	08 NOV 2018

ADDITIONAL FLIGHT DATA:

REFERENCE MAG VAR: KMEM 1W EPOCH YEAR: 2020.

DME/DME ASSESSMENT: SAT (RNP 2.0)

CHART: TOP ALTITUDE: 5000

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:

HENIR, WRRTZ, WADEE, DALGE.

REMARKS:

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

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.

ABBREVIATED AMENDMENT.

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:

02/07/2018

APPROVED BY:

JULIE MORGAN

OFFICE SYMBOL:

AJV-5420

DATE:**REQUIRED EFFECTIVE DATE:**

ROUTINE

COORDINATED WITH:

**FEDERAL AVIATION ADMINISTRATION
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DP NAME						NUMBER	DP COMPUTER CODE	SUPERSEDED NUMBER	DATED	EFFECTIVE DATE
CRSON						SIX	CRSON6.CRSON	FIVE	08/17/2017	08 NOV 2018
A4A	ALPA	AOPA	APA	HAI	NBAA					
<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

CHANGES - REASONS:

1. UPDATED DP ROUTE DESCRIPTION FOR RWY 9, 27: REMOVED CROSSING RESTRICTION "TO CROSS LYZZI AT OR ABOVE 5000" - ATC REQUEST.
2. ADDITIONAL FLIGHT DATA; REMOVED CHART MINIMUM CROSSING ALTITUDE AT LYZZI (5000) - WAIVER FILED.
3. REMOVED TAKEOFF OBSTACLE NOTES - IAW MEMO # 259.
4. MOVED CRSON FIX 304 FT NORTHEAST - ENABLE LEG LENGTHS TO MEET MINIMUM REQUIREMENTS.

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

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 02/07/2017:

1. ADDITIONAL FLIGHT DATA - DELETED: CHART: MEA/MOCA FROM LYZZI TO CRSON, 9100/1700.



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

DP NAME		NUMBER		DP COMPUTER CODE		SUPERSEDED NUMBER		DATED		EFFECTIVE DATE	
CRSON		SIX		CRSON6.CRSON		FIVE		08/17/2017		08 NOV 2018	
FIX/NAVAID	LAT/LONG	C	FO/FB	LEG TYPE	TC	DIST (NM)	ALTITUDE	SPEED	REMARKS		
RW 09 (AER)	350331.04N/0895908.63W	N	-	-	-	-					
860 MSL		-	-	VA	091.95	-			CG 500 FT/NM TO 860		
2300 MSL		-	-	VM	091.95	-					
LYZZI	353640.64N/0893239.89W	Y	FB	DF	-	-					
CRSON	353939.31N/0893025.38W	Y	FB	TF	031.56	3.49					
RW 18C (AER)	350316.54N/0895834.21W	N	-	-	-	-					
	345927.90N/0895829.40W	-	-	VI	179.01	3.81			CG 500 FT/NM TO 860		
RIBZZ	345550.46N/0895650.61W	Y	FB	CF	159.50	3.86			REFERENCE NAVAID: MHZ VORTAC		
HENIR	345532.36N/0895025.95W	Y	FB	TF	093.24	5.28					
WRRTZ	345805.90N/0894505.99W	Y	FB	TF	059.74	5.07					
WADEE	350634.50N/0894529.77W	Y	FB	TF	357.80	8.47					
DALGE	351819.44N/0894608.26W	Y	FB	TF	357.44	11.74					
LYZZI	353640.64N/0893239.89W	Y	FB	TF	030.92	21.38					
CRSON	353939.31N/0893025.38W	Y	FB	TF	031.56	3.49					
RW 18L (AER)	350255.74N/0895822.63W	N	-	-	-	-					
	345929.88N/0895818.28W	-	-	VI	179.00	3.43			CG 500 FT/NM TO 860		
RIBZZ	345550.46N/0895650.61W	Y	FB	CF	161.80	3.84			REFERENCE NAVAID: MHZ VORTAC		
HENIR	345532.36N/0895025.95W	Y	FB	TF	093.24	5.28					
WRRTZ	345805.90N/0894505.99W	Y	FB	TF	059.74	5.07					
WADEE	350634.50N/0894529.77W	Y	FB	TF	357.80	8.47					

QUALITY
35

QUALITY
35
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>
CRSON		SIX		CRSON6.CRSON		FIVE		08/17/2017	08 NOV 2018
<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>
DALGE	351819.44N/0894608.26W	Y	FB	TF	357.44	11.74			
LYZZI	353640.64N/0893239.89W	Y	FB	TF	030.92	21.38			
CRSON	353939.31N/0893025.38W	Y	FB	TF	031.56	3.49			
RW 18R (AER)	350258.16N/0895914.79W	N	-	-	-	-			
	345926.57N/0895910.26W	-	-	VI	178.99	3.52			CG 500 FT/NM TO 860
RIBZZ	345550.46N/0895650.61W	Y	FB	CF	152.00	4.07			REFERENCE NAVAID: MHZ VORTAC
HENIR	345532.36N/0895025.95W	Y	FB	TF	093.24	5.28			
WRRTZ	345805.90N/0894505.99W	Y	FB	TF	059.74	5.07			
WADEE	350634.50N/0894529.77W	Y	FB	TF	357.80	8.47			
DALGE	351819.44N/0894608.26W	Y	FB	TF	357.44	11.74			
LYZZI	353640.64N/0893239.89W	Y	FB	TF	030.92	21.38			
CRSON	353939.31N/0893025.38W	Y	FB	TF	031.56	3.49			
RW 27 (AER)	350328.01N/0895721.08W	N	-	-	-	-			
860 MSL		-	-	VA	271.97	-			CG 500 FT/NM TO 860
2300 MSL		-	-	VM	271.97	-			
LYZZI	353640.64N/0893239.89W	Y	FB	DF	-	-			
CRSON	353939.31N/0893025.38W	Y	FB	TF	031.56	3.49			
RW 36C (AER)	350126.58N/0895831.90W	N	-	-	-	-			
	350426.32N/0895835.68W	-	-	VI	359.01	2.99			CG 500 FT/NM TO 860

QUALITY
35
CHECKED

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DP NAME							NUMBER	DP COMPUTER CODE	SUPERSEDED NUMBER	DATED	EFFECTIVE DATE
CRSON							SIX	CRSON6.CRSON	FIVE	08/17/2017	08 NOV 2018
FIX/NAVAID	LAT/LONG	C	FO/FB	LEG TYPE	TC	DIST (NM)	ALTITUDE	SPEED	REMARKS		
SLONN	351317.30N/0895630.49W	Y	FB	CF	010.97	9.00			REFERENCE NAVAID: MHZ VORTAC		
LYZZI	353640.64N/0893239.89W	Y	FB	TF	039.73	30.42					
CRSON	353939.31N/0893025.38W	Y	FB	TF	031.56	3.49					
RW 36L (AER)	350125.98N/0895912.81W	N	-	-	-	-					
	350409.24N/0895916.32W	-	-	VI	358.99	2.72			CG 500 FT/NM TO 860		
SLONN	351317.30N/0895630.49W	Y	FB	CF	013.97	9.40			REFERENCE NAVAID: MHZ VORTAC		
LYZZI	353640.64N/0893239.89W	Y	FB	TF	039.73	30.42					
CRSON	353939.31N/0893025.38W	Y	FB	TF	031.56	3.49					
RW 36R (AER)	350126.74N/0895820.75W	N	-	-	-	-					
	350425.08N/0895824.52W	-	-	VI	359.00	2.97			CG 500 FT/NM TO 860		
SLONN	351317.30N/0895630.49W	Y	FB	CF	009.99	8.99			REFERENCE NAVAID: MHZ VORTAC		
LYZZI	353640.64N/0893239.89W	Y	FB	TF	039.73	30.42					
CRSON	353939.31N/0893025.38W	Y	FB	TF	031.56	3.49					
ENROUTE TRANSITION											
CRSON	353939.31N/0893025.38W	Y	-	IF	-	-			CRSON6.HUMMS		
HUMMS	362121.40N/0885903.62W	Y	FB	TF	031.27	48.80					

QUALITY
3
CHECKED