

**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SUPERSEDED NUMBER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>
HOTRD	FIVE	HOTRD5.HOTRD	FOUR	08/17/2017	31 Dec 2020
<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 ON HEADING 092.95 TO 860, THEN CONTINUE CLIMB ON HEADING 092.95, EXPECT VECTORS TO ZELKO, THEN ON DEPICTED ROUTE TO HOTRD, THENCE...

**TAKEOFF RWY 18C:** CLIMB ON HEADING 180.01 TO INTERCEPT COURSE 211.62 TO CHETO, THEN ON DEPICTED ROUTE TO HOTRD, THENCE...

**TAKEOFF RWY 18L:** CLIMB ON HEADING 180.00 TO INTERCEPT COURSE 214.15 TO CHETO, THEN ON DEPICTED ROUTE TO HOTRD, THENCE...

**TAKEOFF RWY 18R:** CLIMB ON HEADING 179.99 TO INTERCEPT COURSE 201.96 TO CHETO, THEN ON DEPICTED ROUTE TO HOTRD, THENCE...

**TAKEOFF RWY 27:** CLIMB ON HEADING 272.97 TO 860, THEN CONTINUE CLIMB ON HEADING 272.97, EXPECT VECTORS TO ZELKO, THEN ON DEPICTED ROUTE TO HOTRD, THENCE...

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

**TAKEOFF RWY 36L:** CLIMB ON HEADING 359.99 TO INTERCEPT COURSE 332.06 TO BEEAL, THEN ON DEPICTED ROUTE TO HOTRD, THENCE...

**TAKEOFF RWY 36R:** CLIMB ON HEADING 360.00 TO INTERCEPT COURSE 324.58 TO BEEAL, THEN ON DEPICTED ROUTE TO HOTRD, 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>
TOMKE	HOTRD5.TOMKE	HOTRD	TOMKE	TRACK 320.67	2.00	9200	2300	

**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:** PROCEDURE AUTHORIZED 0200-0600 LOCAL ONLY.

**NOTE:** ACCELERATE TO 250 KIAS, REACHING 10,000 MSL, MAINTAIN 250 KIAS OR GREATER, IF UNABLE ADVISE ATC.

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

**TAKEOFF MINIMUMS:**

**RWY 9, 18C, 18L, 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:****ADDITIONAL FLIGHT DATA:**

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

DME/DME ASSESSMENT: SAT (RNP 2.0)



<u>DP NAME</u>	<u>NUMBER</u>	<u>DP COMPUTER CODE</u>	<u>SUPERSEDED NUMBER</u>	<u>DATED</u>	<u>ACTUAL EFFECTIVE DATE</u>
HOTRD	FIVE	HOTRD5.HOTRD	FOUR	08/17/2017	31 Dec 2020

**CHART:** MEA/MOCA FROM FHLPS TO GRRIZ, 9000/1800.

**CHART:** TOP ALTITUDE: 5000.

**AIRPORTS SERVED:**

<u>AIRPORT NAME</u>	<u>AIRPORT ID</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:**

MUDHO, GACET

**REMARKS:**

CONTROLLING OBSTACLE FOR RUNWAY 36C IS NOT IN AVNIS DATABASE (SEE 2013-ASO-75-NRA).

ABBREVIATED AMENDMENT

**FLIGHT INSPECTED BY**

PROCESSED IAW AIRCRAFT OPERATIONS GROUP (AJF-10) MEMO, APRIL 29, 2020.

SUBJECT: FLIGHT INSPECTION REVIEW NOT REQUIRED

*Digitally signed by* **OFFICE** **DATE**

**WARDELL HENNING**

Sep 29, 2020

**DEVELOPED BY**

THOR CORNELL/WARDELL HENNING

*Digitally signed by*  
**WARDELL HENNING**  
Sep 29, 2020

**OFFICE** **DATE**  
AJV-A432 07/31/2020

**APPROVED BY**

LONNIE EVERHART

*Digitally signed by*  
**WARDELL HENNING**  
Sep 29, 2020

**OFFICE** **DATE** **TITLE**  
AJV-A430 MANAGER

**REQUIRED EFFECTIVE DATE**

ROUTINE

**COORDINATED WITH:**

**A4A** ☒ **ALPA** ☒ **AOPA** ☒ **APA** ☒ **HAI** ☐ **NBAA** ☒ **OTHER:** ZME, MEM APP CON, MEM ATCT, ARPT MGR

**CHANGES - REASONS:**

1. CHANGED NOTE: "ACCELERATE TO 250 KIAS, IF UNABLE ADVISE ATC" TO "ACCELERATE TO 250 KIAS, REACHING 10,000 MSL, MAINTAIN 250 KIAS OR GREATER, IF UNABLE ADVISE ATC". - ATC REQUEST.

2. CHANGED ALL ROUTE DESCRIPTIONS OF "CLIMB HEADING" TO "CLIMB ON HEADING". - PER 8260.46G, 1-1-5 A3.

3. REMOVED TAKEOFF OBSTACLES NOTES AND ADDED SEE FORM 8260-15A, TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP) - IAW 8260.46G

4. REMOVED PILOT NAVIGATION AREA FROM ADDITIONAL FLIGHT DATA - NO LONGER REQUIRED.

QUALITY  
20  
CHECKED

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

<u>DP NAME</u>		<u>NUMBER</u>		<u>DP COMPUTER CODE</u>		<u>SUPERSEDED NUMBER</u>		<u>DATED</u>	<u>ACTUAL EFFECTIVE DATE</u>
HOTRD		FIVE		HOTRD5.HOTRD		FOUR		08/17/2017	31 Dec 2020
<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>
RW09 (AER)	350331.04N/0895908.63W	N	-	-	-	-			
860 MSL		-	-	VA	091.95	-			CG 500 FT/NM TO 860
		-	-	VM	091.95	-			
ZELKO	352923.56N/0902816.23W	Y	FB	DF	-	-			
HOTRD	353349.20N/0903252.24W	Y	FB	TF	319.68	5.80			
RW18C (AER)	350316.54N/0895834.21W	N	-	-	-	-			
	345937.82N/0895829.62W	-	-	VI	179.01	3.64			CG 500 FT/NM TO 860
CHETO	345630.01N/0900044.60W	Y	FB	CF	210.62	3.63			
MUDHO	345629.79N/0900625.60W	Y	FB	TF	269.98	4.67			
GACET	345841.64N /0901153.58W	Y	FB	TF	296.05	5.00			
ZELKO	352923.56N/0902816.23W	Y	FB	TF	336.44	33.46			
HOTRD	353349.20N/0903252.24W	Y	FB	TF	319.68	5.80			
RW18L (AER)	350255.74N/0895822.63W	N	-	-	-	-			
	345934.38N/0895818.37W	-	-	VI	179.00	3.35			CG 500 FT/NM TO 860
CHETO	345630.01N/0900044.60W	Y	FB	CF	213.15	3.66			
MUDHO	345629.79N/0900625.60W	Y	FB	TF	269.98	4.67			
GACET	345841.64N /0901153.58W	Y	FB	TF	296.05	5.00			
ZELKO	352923.56N/0902816.23W	Y	FB	TF	336.44	33.46			
HOTRD	353349.20N/0903252.24W	Y	FB	TF	319.68	5.80			

QUALITY  
20  
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>
HOTRD		FIVE		HOTRD5.HOTRD		FOUR		08/17/2017	31 Dec 2020
<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>
RW18R (AER)	350258.16N/0895914.79W	N	-	-	-	-			
	345951.64N/0895910.79W	-	-	VI	178.99	3.10			CG 500 FT/NM TO 860
CHETO	345630.01N/0900044.60W	Y	FB	CF	200.96	3.59			
MUDHO	345629.79N/0900625.60W	Y	FB	TF	269.98	4.67			
GACET	345841.64N/0901153.58W	Y	FB	TF	296.05	5.00			
ZELKO	352923.56N/0902816.23W	Y	FB	TF	336.44	33.46			
HOTRD	353349.20N/0903252.24W	Y	FB	TF	319.68	5.80			
RW27 (AER)	350328.01N/0895721.08W	N	-	-	-	-			
860 MSL		-	-	VA	271.97	-			CG 500 FT/NM TO 860
		-	-	VM	271.97	-			
ZELKO	352923.56N/0902816.23W	Y	FB	DF	-	-			
HOTRD	353349.20N/0903252.24W	Y	FB	TF	319.68	5.80			
RW36C (AER)	350126.58N/0895831.90W	N	-	-	-	-			
	350431.05N/0895835.78W	-	-	VI	359.01	3.07			CG 500 FT/NM TO 860
BEEAL	350837.23N/0900217.24W	Y	FB	CF	323.54	5.09			
ZELKO	352923.56N/0902816.23W	Y	FB	TF	314.41	29.70			
HOTRD	353349.20N/0903252.24W	Y	FB	TF	319.68	5.80			
RW36L (AER)	350125.98N/0895912.81W	N	-	-	-	-			
	350408.46N/0895916.30W	-	-	VI	358.99	2.70			CG 500 FT/NM TO 860
BEEAL	350837.23N/0900217.24W	Y	FB	CF	331.06	5.11			
ZELKO	352923.56N/0902816.23W	Y	FB	TF	314.41	29.70			

QUALITY  
20  
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>
HOTRD		FIVE		HOTRD5.HOTRD		FOUR		08/17/2017	31 Dec 2020
<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>
HOTRD	353349.20N/0903252.24W	Y	FB	TF	319.68	5.80			
RW36R (AER)	350126.74N/0895820.75W	N	-	-	-	-			
	350418.06N/0895824.38W	-	-	VI	359.00	2.85			CG 500 FT/NM TO 860
BEEAL	350837.23N/0900217.24W	Y	FB	CF	323.58	5.35			
ZELKO	352923.56N/0902816.23W	Y	FB	TF	314.41	29.70			
HOTRD	353349.20N/0903252.24W	Y	FB	TF	319.68	5.80			
ENROUTE TRANSITION									
HOTRD	353349.20N/0903252.24W	Y	-	IF	-	-			HOTRD5.TOMKE
TOMKE	353520.81N/0903427.45W	Y	FB	TF	319.67	2.00			

