

**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SUPERSEDED NUMBER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>
DUCKZ	FIVE	DUCKZ5.DUCKZ	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>
	☐	☐	☒	☐	☒

DP ROUTE DESCRIPTION:

TAKEOFF RWY 9: CLIMB ON HEADING 092.95 TO 860, THEN CONTINUE CLIMB ON HEADING 092.95, EXPECT VECTORS TO WSTIN, THEN ON DEPICTED ROUTE TO DUCKZ, THENCE...

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

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

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

TAKEOFF RWY 27: CLIMB ON HEADING 272.97 TO 860, THEN CONTINUE CLIMB ON HEADING 272.97, EXPECT VECTORS TO WSTIN, THEN ON DEPICTED ROUTE TO DUCKZ, THENCE...

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

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

TAKEOFF RWY 36R: CLIMB ON HEADING 360.00 TO INTERCEPT COURSE 324.58 TO BEEAL, THEN ON DEPICTED ROUTE TO DUCKZ, 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>
HELAR	DUCKZ5.HELAR	DUCKZ	HELAR	TRACK 271.52	2.00	9200	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: TRANSPONDER CODE WILL BE ISSUED VIA PDC OR MEMPHIS CLEARANCE DELIVERY.

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)

CHART: MEA/MOCA FROM WSTIN TO DUCKZ, 8800/1900.

CHART: TOP ALTITUDE: 5000



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DUCKZ	FIVE	DUCKZ5.DUCKZ	FOUR	08/17/2017	31 Dec 2020

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, KOSLE, PRYMD, HIVUS

REMARKS:CONTROLLING OBSTACLE FOR RUNWAY 36C IS NOT IN AVNIS DATABASE (SEE 2013-ASO-75-NRA).
ABBREVIATED AMENDMENT.FLIGHT INSPECTED BYPROCESSED IAW AIRCRAFT OPERATIONS GROUP (AJF-10) MEMO, APRIL 29, 2020.
SUBJECT: FLIGHT INSPECTION REVIEW NOT REQUIRED*Digitally signed by*
WARDELL HENNING
Sep 29, 2020OFFICEDATEDEVELOPED BY

THOR CORNELL /WARDELL HENNING

Digitally signed by
WARDELL HENNING
Sep 29, 2020OFFICEDATE

AJV-A432

07/31/2020

APPROVED BY

LONNIE EVERHART

Digitally signed by
WARDELL HENNING
Sep 29, 2020OFFICEDATETITLE

AJV-A430

MANAGER

REQUIRED EFFECTIVE DATE

ROUTINE

COORDINATED WITH:**A4A** ☒ **ALPA** ☒ **AOPA** ☒ **APA** ☒ **HAI** ☐ **NBAA** ☒ **OTHER:** ZME, MEM APP CON, MEM ATCT, ARPT MGRCHANGES - 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>
DUCKZ		FIVE		DUCKZ5.DUCKZ		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	-			
WSTIN	350125.43N/0904452.62W	Y	FB	DF	-	-			
DUCKZ	350127.16N/0904854.43W	Y	FB	TF	270.52	3.31			
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			
KOSLE	345726.66N/0901223.95W	Y	FB	TF	280.94	5.00			
WSTIN	350125.43N/0904452.62W	Y	FB	TF	278.62	26.98			
DUCKZ	350127.16N/0904854.43W	Y	FB	TF	270.52	3.31			
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			
KOSLE	345726.66N/0901223.95W	Y	FB	TF	280.94	5.00			
WSTIN	350125.43N/0904452.62W	Y	FB	TF	278.62	26.98			
DUCKZ	350127.16N/0904854.43W	Y	FB	TF	270.52	3.31			

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DUCKZ		FIVE		DUCKZ5.DUCKZ		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			
KOSLE	345726.66N/0901223.95W	Y	FB	TF	280.94	5.00			
WSTIN	350125.43N/0904452.62W	Y	FB	TF	278.62	26.98			
DUCKZ	350127.16N/0904854.43W	Y	FB	TF	270.52	3.31			
RW27 (AER)	350328.01N/0895721.08W	N	-	-	-	-			
860 MSL		-	-	VA	271.97	-			CG 500 FT/NM TO 860
		-	-	VM	271.97	-			
WSTIN	350125.43N/0904452.62W	Y	FB	DF	-	-			
DUCKZ	350127.16N/0904854.43W	Y	FB	TF	270.52	3.31			
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			
PRYMD	350848.18N/0900827.62W	Y	FB	TF	272.09	5.07			
HIVUS	350855.04N/0901749.27W	Y	FB	TF	270.90	7.68			
WSTIN	350125.43N/0904452.62W	Y	FB	TF	251.51	23.43			
DUCKZ	350127.16N/0904854.43W	Y	FB	TF	270.52	3.31			

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<u>DP NAME</u>		<u>NUMBER</u>		<u>DP COMPUTER CODE</u>		<u>SUPERSEDED NUMBER</u>		<u>DATED</u>	<u>ACTUAL EFFECTIVE DATE</u>
DUCKZ		FIVE		DUCKZ5.DUCKZ		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>
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			
PRYMD	350848.18N/0900827.62W	Y	FB	TF	272.09	5.07			
HIVUS	350855.04N/0901749.27W	Y	FB	TF	270.90	7.68			
WSTIN	350125.43N/0904452.62W	Y	FB	TF	251.51	23.43			
DUCKZ	350127.16N/0904854.43W	Y	FB	TF	270.52	3.31			
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			
PRYMD	350848.18N/0900827.62W	Y	FB	TF	272.09	5.07			
HIVUS	350855.04N/0901749.27W	Y	FB	TF	270.90	7.68			
WSTIN	350125.43N/0904452.62W	Y	FB	TF	251.51	23.43			
DUCKZ	350127.16N/0904854.43W	Y	FB	TF	270.52	3.31			
ENROUTE TRANSITION									
DUCKZ	350127.16N/0904854.43W	Y	-	IF	-	-			DUCKZ5.HELAR
HELAR	350128.23N/0905120.54W	Y	FB	TF	270.52	2.00			

