

**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SUPERSEDED NUMBER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>
GRRIZ	FIVE	GRRIZ5.GRRIZ	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 FHLPS, THEN ON DEPICTED ROUTE TO GRRIZ, THENCE...

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

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

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

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

TAKEOFF RWY 36C: CLIMB ON HEADING 000.01 TO INTERCEPT COURSE 347.01 TO DLONG, THEN ON DEPICTED ROUTE TO GRRIZ, THENCE...

TAKEOFF RWY 36L: CLIMB ON HEADING 359.99 TO 860, THEN DIRECT DLONG, THEN ON DEPICTED ROUTE TO GRRIZ, THENCE...

TAKEOFF RWY 36R: CLIMB ON HEADING 360.00 TO INTERCEPT COURSE 347.01 TO DLONG, THEN ON DEPICTED ROUTE TO GRRIZ, 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>
MIEDZ	GRRIZ5.MIEDZ	GRRIZ	MIEDZ	TRACK 338.80	2.00	9400	1600	

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)

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



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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, EMAXE, GMBLR

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

WARDELL HENNING

Sep 29, 2020

OFFICE

DATE

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

AJV-A430

TITLE
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.



**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>
GRRIZ		FIVE		GRRIZ5.GRRIZ		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	-			
FHLPS	353618.86N/0901630.93W	Y	FB	DF	-	-			
GRRIZ	354144.32N/0901913.70W	Y	FB	TF	337.81	5.85			
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			
EMAXE	350514.52N/0901215.67W	Y	FB	TF	357.35	6.54			
FHLPS	353618.86N/0901630.93W	Y	FB	TF	353.62	31.22			
GRRIZ	354144.32N/0901913.70W	Y	FB	TF	337.81	5.85			
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			
EMAXE	350514.52N/0901215.67W	Y	FB	TF	357.35	6.54			
FHLPS	353618.86N/0901630.93W	Y	FB	TF	353.62	31.22			

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>
GRRIZ		FIVE		GRRIZ5.GRRIZ		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>
GRRIZ	354144.32N/0901913.70W	Y	FB	TF	337.81	5.85			
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			
EMAXE	350514.52N/0901215.67W	Y	FB	TF	357.35	6.54			
FHLPS	353618.86N/0901630.93W	Y	FB	TF	353.62	31.22			
GRRIZ	354144.32N/0901913.70W	Y	FB	TF	337.81	5.85			
RW27 (AER)	350328.01N/0895721.08W	N	-	-	-	-			
860 MSL		-	-	VA	271.97	-			CG 500 FT/NM TO 860
		-	-	VM	271.97	-			
FHLPS	353618.86N/0901630.93W	Y	FB	DF	-	-			
GRRIZ	354144.32N/0901913.70W	Y	FB	TF	337.81	5.85			
RW36C (AER)	350126.58N/0895831.90W	N	-	-	-	-			
	350452.08N/0895836.22W	-	-	VI	359.01	3.42			CG 500 FT/NM TO 860
DLONG	350839.98N/0895945.35W	Y	FB	CF	346.01	3.91			
GMBLR	351320.01N/0900040.58W	Y	FB	TF	350.81	4.72			
FHLPS	353618.86N/0901630.93W	Y	FB	TF	330.64	26.35			
GRRIZ	354144.32N/0901913.70W	Y	FB	TF	337.81	5.85			

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>
GRRIZ		FIVE		GRRIZ5.GRRIZ		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	-	-	-	-			
860 MSL		-	-	VA	358.99	-	AT/ABOVE 860		CG 500 FT/NM TO 860
DLONG	350839.98N/0895945.35W	Y	FB	DF	-	-			
GMBLR	351320.01N/0900040.58W	Y	FB	TF	350.81	4.72			
FHLPS	353618.86N/0901630.93W	Y	FB	TF	330.64	26.35			
GRRIZ	354144.32N/0901913.70W	Y	FB	TF	337.81	5.85			
RW36R (AER)	350126.74N/0895820.75W	N	-	-	-	-			
	350412.65N/0895824.26W	-	-	VI	359.00	2.76			CG 500 FT/NM TO 860
DLONG	350839.98N/0895945.35W	Y	FB	CF	346.01	4.58			
GMBLR	351320.01N/0900040.58W	Y	FB	TF	350.81	4.72			
FHLPS	353618.86N/0901630.93W	Y	FB	TF	330.64	26.35			
GRRIZ	354144.32N/0901913.70W	Y	FB	TF	337.81	5.85			
ENROUTE TRANSITION									
GRRIZ	354144.32N/0901913.70W	Y	-	IF	-	-			GRRIZ5.MIEDZ
MIEDZ	354335.59N/0902009.38W	Y	FB	TF	337.80	2.00			

