

U.S. DEPARTMENT of TRANSPORTATION – FEDERAL AVIATION ADMINISTRATION
GRAPHIC DEPARTURE PROCEDURE (DP)

Bearings, headings, courses, tracks, and radials are magnetic. Elevation 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. Graphic depictions attached.

DP Name	Number	DP Computer Code	Superseded Number	Dated	Effective Date
GRRIZ	THREE	GRRIZ3.GRRIZ	TWO	12 DEC 2012	30 APRIL 2015

TYPE: RNAV SID

DP ROUTE DESCRIPTION:

TAKEOFF RWY 9: CLIMB HEADING 090.95 TO 860, THEN CONTINUE CLIMB ON HEADING 090.95, EXPECT VECTORS TO FHLPS, THEN ON DEPICTED ROUTE TO GRRIZ, THENCE...
TAKEOFF RWY 18C: CLIMB HEADING 178.01 TO INTERCEPT COURSE 209.62 TO CHETO, THEN ON DEPICTED ROUTE TO GRRIZ, THENCE...
TAKEOFF RWY 18L: CLIMB HEADING 178.00 TO INTERCEPT COURSE 212.15 TO CHETO, THEN ON DEPICTED ROUTE TO GRRIZ, THENCE...
TAKEOFF RWY 18R: CLIMB HEADING 177.99 TO INTERCEPT COURSE 199.96 TO CHETO, THEN ON DEPICTED ROUTE TO GRRIZ, THENCE...
TAKEOFF RWY 27: CLIMB HEADING 270.97 TO 860, THEN CONTINUE CLIMB ON HEADING 270.97, EXPECT VECTORS TO FHLPS, THEN ON DEPICTED ROUTE TO GRRIZ, THENCE...
TAKEOFF RWY 36C: CLIMB HEADING 358.01 TO INTERCEPT COURSE 345.01 TO DLONG, THEN ON DEPICTED ROUTE TO GRRIZ, THENCE...
TAKEOFF RWY 36L: CLIMB HEADING 357.99 TO 860, THEN DIRECT DLONG, THEN ON DEPICTED ROUTE TO GRRIZ, THENCE...
TAKEOFF RWY 36R: CLIMB HEADING 358.00 TO INTERCEPT COURSE 345.01 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):

Transition Name	Transition Computer Codes	From FIX/NAVAID	To FIX/NAVAID	Course	Distance	MEA	MOCA	Crossing Altitudes/Fixes
MIEDZ	GRRIZ3.MIEDZ	GRRIZ	MIEDZ	TRACK 336.80	2.00	9400	1600	

PROCEDURAL DATA NOTES/TAKEOFF MINIMUMS:

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, 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:

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:



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

LOST COMMUNICATIONS PROCEDURES:

ADDITIONAL FLIGHT DATA:

REFERENCE MAG VAR: KMEM 1E EPOCH YEAR: 2000. DME/DME ASSESSMENT: SAT (RNP 2.0)
CHART: MEA/MOCA FROM FHLPS TO GRRIZ, 9000/1800.
CHART: TOP ALTITUDE: 5000.

PILOT NAVIGATION AREA:
10 NM ARC CENTERED ON FHLPS (IF), CW
FROM: POINT A (BEARING 292 TO FHLPS)
TO: POINT B (BEARING 022 TO FHLPS)
MINIMUM ALTITUDE - 7800

AIRPORTS SERVED:

MEMPHIS INTL
MEMPHIS, TN

COMMUNICATIONS:

ATIS, CLEARANCE DEL, GROUND CONTROL, 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).



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REQUIRED EFFECTIVE DATE:
ROUTINE

09/13/2013

12/09/2014

COORDINATED WITH:

ATA, ALPA, APA, AOPA, NBAA, ZME, MEM APP CON, MEM ATCT, ARPT MGR

CHANGES:

1. ADDED CHART: TOP ALTITUDE: 5000.

REASONS:

1. ATC REQUEST.



DEPARTURE (DATA RECORD)

DP Name	Number	DP Computer Code	Superseded Number	Dated	Effective Date			
GRRIZ	THREE	GRRIZ3.GRRIZ	TWO	12 DEC 13	30 APRIL 2015			
FIX/NAVAID	C	FO/FB	LEG TYPE	TC	DIST (NM)	ALTITUDE	SPEED	REMARKS
RW09 (AER)	N	-	-	-	-			
860 MSL	-	-	VA	091.95	-			CG 500 FT/NM TO 860
FHLPS	-	-	VM	091.95	-			
GRRIZ	Y	FB	DF	-	-			
	Y	FB	TF	337.81	5.85			
RW18C (AER)	N	-	-	-	-			
	-	-	VI	179.01	3.64			CG 500 FT/NM TO 860
CHETO	Y	FB	CF	210.62	3.63			RECOMMENDED NAVAID: MEM VORTAC
MUDHO	Y	FB	TF	269.98	4.67			
GACET	Y	FB	TF	296.05	5.00			
EMAXE	Y	FB	TF	357.35	6.54			
FHLPS	Y	FB	TF	353.62	31.22			
GRRIZ	Y	FB	TF	337.81	5.85			
RW18L (AER)	N	-	-	-	-			
	-	-	VI	179.00	3.35			CG 500 FT/NM TO 860
CHETO	Y	FB	CF	213.15	3.66			RECOMMENDED NAVAID: MEM VORTAC
MUDHO	Y	FB	TF	269.98	4.67			
GACET	Y	FB	TF	296.05	5.00			
EMAXE	Y	FB	TF	357.35	6.54			
FHLPS	Y	FB	TF	353.62	31.22			
GRRIZ	Y	FB	TF	337.81	5.85			
RW18R (AER)	N	-	-	-	-			
	-	-	VI	178.99	3.10			CG 500 FT/NM TO 860
CHETO	Y	FB	CF	200.96	3.59			RECOMMENDED NAVAID: MEM VORTAC
MUDHO	Y	FB	TF	269.98	4.67			
GACET	Y	FB	TF	296.05	5.00			
EMAXE	Y	FB	TF	357.35	6.54			
FHLPS	Y	FB	TF	353.62	31.22			
GRRIZ	Y	FB	TF	337.81	5.85			

QUALITY

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