

**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SUPERSEDED NUMBER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>
GMBUD	FIVE	GMBUD5.GMBUD	FOUR	04/30/15	17 AUG 2017

<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"/>

WAS PREVIOUSLY PUBLISHED IN NFDD 133

DP ROUTE DESCRIPTION:

TAKEOFF RWY 9: CLIMB HEADING 092.95 TO 860, THEN CONTINUE CLIMB ON HEADING 092.95 OR AS ASSIGNED BY ATC, FOR RADAR VECTORS TO CROSS CUVDO AT OR ABOVE 5000, THEN ON DEPICTED ROUTE TO GMBUD, THENCE...

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

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

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

TAKEOFF RWY 27: CLIMB HEADING 272.97 TO 860, THEN CONTINUE CLIMB ON HEADING 272.97 OR AS ASSIGNED BY ATC, FOR RADAR VECTORS TO CROSS CUVDO AT OR ABOVE 5000, THEN ON DEPICTED ROUTE TO GMBUD, THENCE...

TAKEOFF RWY 36C: CLIMB HEADING 000.01 TO INTERCEPT COURSE 031.99 TO JAAXX, THEN ON DEPICTED ROUTE TO GMBUD, THENCE...

TAKEOFF RWY 36L: CLIMB HEADING 359.99 TO INTERCEPT COURSE 034.98 JAAXX, THEN ON DEPICTED ROUTE TO GMBUD, THENCE...

TAKEOFF RWY 36R: CLIMB HEADING 360.00 TO INTERCEPT COURSE 031.98 TO JAAXX, THEN ON DEPICTED ROUTE TO GMBUD, 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>
JADET	GMBUD5.JADET	GMBUD	JADET	TRACK 118.41	2.00	11000	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: 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, 18L, 18C, 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:

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



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GMBUD	FIVE	GMBUD5.GMBUD	FOUR	04/30/15	17 AUG 2017

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 CUVDO TO GMBUD, 10700/1900

CHART: TOP ALTITUDE: 5000

AIRPORTS SERVED:

<u>AIRPORT NAME</u>	<u>CITY</u>	<u>STATE</u>
MEMPHIS INTL	MEMPHIS	TN

COMMUNICATIONS:

ATIS, CLNC DEL, GRND CON, TOWER, DEP CON

FIXES AND/OR NAVAIDS:

AYERR, STJUD

REMARKS:

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.

FLIGHT INSPECTED BY:

Digitally signed by
BRENT BOOKER **ROBERT G HAMILTON**
Jul 11, 2017

OFFICE SYMBOL:

DATE:

FICO 05/31/2017

DEVELOPED BY:

Digitally signed by
JIMMY S. HUGHES **JIMMY S HUGHES**
Jul 11, 2017

OFFICE SYMBOL:

DATE:

AJV-5422 03/16/2017

APPROVED BY:

Digitally signed by
JULIE A. MORGAN **ROBERT G HAMILTON**
Jul 11, 2017

OFFICE SYMBOL:

DATE:

AJV-5420

REQUIRED EFFECTIVE DATE:

ROUTINE

COORDINATED WITH:

<u>A4A</u>	<u>ALPA</u>	<u>AOPA</u>	<u>APA</u>	<u>HAI</u>	<u>NBAA</u>
<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

QUALITY
32
CHECKED

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DP NAME	NUMBER	DP COMPUTER CODE	SUPERSEDED NUMBER	DATED	EFFECTIVE DATE
GMBUD	FIVE	GMBUD5.GMBUD	FOUR	04/30/15	17 AUG 2017

CHANGES - REASONS:

1. RWY 18L CF TRACK TO RIBZZ CHANGED FROM 159.98 TO 160.80. - TO BRING INITIAL TURN WITHIN 2 NM OF DER TO ELIMINATE WAIVER.
2. RWY 18C CF TRACK TO RIBZZ CHANGED FROM 156.91 TO 160.50.- TO BRING INITIAL TURN WITHIN 2 NM OF DER TO ELIMINATE WAIVER.
3. RWY 18R CF TRACK TO RIBZZ CHANGED FROM 145.95 TO 153.00.- TO BRING INITIAL TURN WITHIN 2 NM OF DER TO ELIMINATE WAIVER.
4. CUVDO MOVED 0.10 NM NORTHWEST. - MEET MINIMUM LEG SEGMENT
5. PNA AT CUVDO ELIMINATED. - ATC REQUEST
6. MEA AT CUVDO CHANGED FROM 7900 TO 5000 - MEET TOP ALTITUDE
7. MEA AT GMBUD CHANGED FROM 8700 TO 10700.- ELIMINATE CRITICAL DME.
8. MEA AT JADET CHANGED FROM 9100 TO 11000.- ELIMINATE CRITICAL DME.
9. DP ROUTE DESCRIPTION FOR RWY 9, 27: ADDED "OR AS ASSIGNED BY ATC" - ATC REQUEST.
10. ALL HEADINGS AND COURSES CHANGED BY 2 DEGREES - MAGVAR CHANGED FROM 1E TO 1W.

6/27/17: THIS IS A CORRECTED COPY OF THE FORM APPROVED ON 6/19/17. JH

1. CHANGED RWY 9 DP ROUTE DESCRIPTION FROM "**TAKEOFF RWY 9:** CLIMB HEADING 092.95 TO 860, THEN CONTINUE CLIMB ON HEADING 090.95 OR AS ASSIGNED BY ATC..." TO "**TAKEOFF RWY 9:** CLIMB HEADING 092.95 TO 860, THEN CONTINUE CLIMB ON HEADING 092.95 OR AS ASSIGNED BY ATC..."

7/11/17: THIS IS A CORRECTED COPY OF THE FORM APPROVED ON 6/30/17. JH

1. CHANGED TRANSITION FROM GMBUD TO JADET FROM TRACK 116.41 TO TRACK 118.41.
2. CHANGED 8260-15C DATA RECORD, RWY 36R CUVDO TO GMBUD TRUE COURSE FROM 137.44 TO 137.77



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

DP NAME		NUMBER		DP COMPUTER CODE		SUPERSEDED NUMBER		DATED		EFFECTIVE DATE	
GMBUD		FIVE		GMBUD5.GMBUD		FOUR		04/30/15		17 AUG 2017	
FIX/NAVAID	LAT/LONG	C	FO/FB	LEG TYPE	TC	DIST (NM)	ALTITUDE	SPEED	REMARKS		
RW09 (AER)	350331.04N/0895908.63W	N	-	-	-	-					
860 MSL	-	-	-	VA	091.95	-			CG 500 FT/NM TO 860		
-	-	-	-	VM	091.95	-					
CUVDO	344416.26N/0891940.86W	Y	-	DF	-	-	AT/ABOVE 5000				
GMBUD	344235.35N/0891545.69W	Y	-	TF	117.44	3.64					
RW18C (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			RECOMMENDED NAVAID: MHZ VORTAC		
CUVDO	344416.26N/0891940.86W	Y	FB	TF	110.51	32.70	AT/ABOVE 5000				
GMBUD	344235.35N/0891545.69W	Y	FB	TF	117.44	3.64					
RW18L (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			RECOMMENDED NAVAID: MHZ VORTAC		
CUVDO	344416.26N/0891940.86W	Y	FB	TF	110.51	32.70	AT/ABOVE 5000				
GMBUD	344235.35N/0891545.69W	Y	FB	TF	117.44	3.64					
RW18R (AER)	350258.16N/0895914.79W	N	-	-	-	-					
-	345929.88N/0895818.28W	-	-	VI	178.99	3.52			CG 500 FT/NM TO 860		
RIBZZ	345550.46N/0895650.61W	Y	FB	CF	152.00	4.07			RECOMMENDED NAVAID: MHZ VORTAC		
CUVDO	344416.26N/0891940.86W	Y	FB	TF	110.51	32.70	AT/ABOVE 5000				

QUALITY
3

QUALITY
3
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DP NAME							NUMBER	DP COMPUTER CODE	SUPERSEDED NUMBER	DATED	EFFECTIVE DATE
GMBUD							FIVE	GMBUD5.GMBUD	FOUR	04/30/15	17 AUG 2017
FIX/NAVAID	LAT/LONG	C	FO/FB	LEG TYPE	TC	DIST (NM)	ALTITUDE	SPEED		REMARKS	
GMBUD	344235.35N/0891545.69W	Y	FB	TF	117.44	3.64					
RW27 (AER)	350328.01N/0895721.08W	N	-	-	-	-					
860 MSL	-	-	-	VA	271.97					CG 500 FT/NM TO 860	
-	-	-	-	VM	271.97						
CUVDO	344416.26N/0891940.86W	Y	FB	DF	-	-	AT/ABOVE 5000				
GMBUD	344235.35N/0891545.69W	Y	FB	TF	117.44	3.64					
RW36L (AER)	350125.98N/0895912.81W	N	-	-	-	-					
-	350409.28N/0895916.32W	-	-	VI	358.99	2.72				CG 500 FT/NM TO 860	
JAAXX	350832.89N/0895540.25W	Y	FB	CF	033.98	5.29				RECOMMENDED NAVAID: MHZ VORTAC	
AYERR	350824.81N/0895003.18W	Y	FB	TF	091.64	4.61					
STJUD	350706.68N/0894445.11W	Y	FB	TF	106.62	4.54					
CUVDO	344416.26N/0891940.86W	Y	FB	TF	137.77	30.74	AT/ABOVE 5000				
GMBUD	344235.35N/0891545.69W	Y	FB	TF	117.44	3.64					
RW36C (AER)	350126.58N/0895831.90W	N	-	-	-	-					
-	350432.56N/0895835.81W	-	-	VI	359.01	3.10				CG 500 FT/NM TO 860	
JAAXX	350832.89N/0895540.25W	Y	FB	CF	030.99	4.66				RECOMMENDED NAVAID: MHZ VORTAC	
AYERR	350824.81N/0895003.18W	Y	FB	TF	091.64	4.61					
STJUD	350706.68N/0894445.11W	Y	FB	TF	106.62	4.54					
CUVDO	344416.26N/0891940.86W	Y	FB	TF	137.77	30.74	AT/ABOVE 5000				

QUALITY

3

000

QUALITY
3
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DP NAME							NUMBER	DP COMPUTER CODE	SUPERSEDED NUMBER	DATED	EFFECTIVE DATE
GMBUD							FIVE	GMBUD5.GMBUD	FOUR	04/30/15	17 AUG 2017
FIX/NAVAID	LAT/LONG	C	FO/FB	LEG TYPE	TC	DIST (NM)	ALTITUDE	SPEED	REMARKS		
GMBUD	344235.35N/0891545.69W	Y	FB	TF	117.44	3.64					
RW36R (AER)	350126.74N/0895820.75W	N	-	-	-	-					
-	350447.29N/0895824.99W	-	-	VI	359.00	3.34			CG 500 FT/NM TO 860		
JAAXX	350832.89N/0895540.25W	Y	FB	CF	030.98	4.38			RECOMMENDED NAVAID: MHZ VORTAC		
AYERR	350824.81N/0895003.18W	Y	FB	TF	091.64	4.61					
STJUD	350706.68N/0894445.11W	Y	FB	TF	106.62	4.54					
CUVDO	344416.26N/0891940.86W	Y	FB	TF	137.77	30.74	AT/ABOVE 5000				
GMBUD	344235.35N/0891545.69W	Y	FB	TF	117.44	3.64					
ENROUTE TRANSITION											
GMBUD	344235.35N/0891545.69W	Y	-	IF	-	-			GMBUD5.JADET		
JADET	344139.99N/0891336.50W	Y	FB	TF	117.41	2.00					

QUALITY
32
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