

**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SUPERSEDED NUMBER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>
PIEPE	FIVE	PIEPE5.PIEPE	FOUR	08/17/2017	
<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"/>

DP ROUTE DESCRIPTION:

TAKEOFF RWY 9: CLIMB HEADING 092.95 TO 860, THEN CONTINUE CLIMB TO 2300 ON HEADING 092.95 OR AS ASSIGNED BY ATC, FOR RADAR VECTORS TO BEBIE, THEN ON DEPICTED ROUTE TO PIEPE, THENCE...

TAKEOFF RWY 18C: CLIMB HEADING 180.01 TO 860, THEN DIRECT GADEC, THEN ON DEPICTED ROUTE TO PIEPE, THENCE...

TAKEOFF RWY 18L: CLIMB HEADING 180.00 TO 860, THEN DIRECT GADEC, THEN ON DEPICTED ROUTE TO PIEPE, THENCE...

TAKEOFF RWY 18R: CLIMB HEADING 179.99 TO 860, THEN DIRECT EMIIT, THEN ON DEPICTED ROUTE TO PIEPE, THENCE...

TAKEOFF RWY 27: CLIMB HEADING 272.97 TO 860, THEN CONTINUE CLIMB TO 2300 ON HEADING 272.95 OR AS ASSIGNED BY ATC, FOR RADAR VECTORS TO BEBIE, THEN ON DEPICTED ROUTE TO PIEPE, THENCE...

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

TAKEOFF RWY 36L: CLIMB HEADING 359.99 TO INTERCEPT COURSE 332.01 TO BEEAL, THEN ON DEPICTED ROUTE TO PIEPE, THENCE...

TAKEOFF RWY 36R: CLIMB HEADING 360.00 TO INTERCEPT COURSE 324.52 TO BEEAL, THEN ON DEPICTED ROUTE TO PIEPE, 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>
IBUFY	PIEPE5.IBUFY	PIEPE	IBUFY	TRACK 187.48	16.93	12100	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: 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:

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:



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ADDITIONAL FLIGHT DATA:

CHART: TOP ALTITUDE: 5000
REFERENCE MAG VAR: KMEM 1W EPOCH YR: 2020
DME/DME ASSESSMENT: SAT (RNP 2.0)

AIRPORTS SERVED:

<u>AIRPORT NAME</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:

PRYMD, EMAXE, HOOSE

REMARKS:

WAIVER REQUESTED FOR 8260.46F, APNDX E, SECT 1, PARA 10C, REMOVE MCA 5000 AT BEBIE.
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.
ABBREVIATED AMENDMENT.

FLIGHT INSPECTED BY:

JEFFREY ECKMAN
Digitally signed by
ROBERT G HAMILTON
Sep 12, 2018

OFFICE SYMBOL:

DATE:

FICO

4/10/18

DEVELOPED BY:

HEIDI SNIDER
Digitally signed by
HEIDI SNIDER
Jul 17, 2018

OFFICE SYMBOL:

DATE:

AJV-5423

02/08/2018

APPROVED BY:

JULIE A. MORGAN
Digitally signed by
ROBERT G HAMILTON
Sep 12, 2018

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
35
CHECKED

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CHANGES - REASONS:

1. DP ROUTE DESCRIPTION FOR RWY 9, 27: REMOVED CROSSING RESTRICTION "TO CROSS BEBIE AT OR ABOVE 5000" - ATC REQUEST.
2. REMOVED MCA AT BEBIE - WAIVER FILED.
3. REMOVED TAKEOFF OBSTACLE NOTES - IAW MEMO # 259.

07/17/18: THIS IS AN UPDATED COPY OF THE FORM DEVELOPED ON 02/08/2018:

1. UPDATED DP ROUTE DESCRIPTION FOR RWY 9, 27: ADDED "THEN CONTINUE CLIMB TO 2300 ON HEADING..."

09/11/18: THIS IS AN UPDATED COPY OF THE FORM DEVELOPED ON 02/08/2018:

1. ADDITIONAL FLIGHT DATA - DELETED: CHART: MEA/MOCA FROM BEBIE TO PIEPE, 9000/1700.



**FEDERAL AVIATION ADMINISTRATION
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DEPARTURE (DATA RECORD)**

DP NAME		NUMBER		DP COMPUTER CODE		SUPERSEDED NUMBER		DATED		EFFECTIVE DATE	
PIEPE		FIVE		PIEPE5.PIEPE		FOUR		08/17/2017			
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		
2300 MSL	-	-	-	VM	091.95	-					
BEBIE	342800.16N/0900535.16W	Y	FB	DF	-	-					
PIEPE	342219.15N/0900621.77W	Y	FB	TF	186.47	5.71					
RW18C (AER)	350316.54N/0895834.21W	N	-	-	-	-					
860 MSL	-	-	-	VA	179.01	-			CG 500 FT/NM TO 860		
GADEC	345911.38N/0895829.05W	Y	FB	DF	-	-					
XANDR	345240.80N/0895820.78W	Y	FB	TF	179.00	6.50					
EMIIT	344153.27N/0895925.66W	Y	FB	TF	184.73	10.81					
BEBIE	342800.16N/0900535.16W	Y	FB	TF	200.17	14.76					
PIEPE	342219.15N/0900621.77W	Y	FB	TF	186.47	5.71					
RW18L (AER)	350255.74N/0895822.63W	N	-	-	-	-					
860 MSL	-	-	-	VA	179.00	-			CG 500 FT/NM TO 860		
GADEC	345911.38N/0895829.05W	Y	FB	DF	-	-					
XANDR	345240.80N/0895820.78W	Y	FB	TF	179.00	6.50					
EMIIT	344153.27N/0895925.66W	Y	FB	TF	184.73	10.81					
BEBIE	342800.16N/0900535.16W	Y	FB	TF	200.17	14.76					
PIEPE	342219.15N/0900621.77W	Y	FB	TF	186.47	5.71					

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DP NAME		NUMBER	DP COMPUTER CODE	SUPERSEDED NUMBER	DATED	EFFECTIVE DATE			
PIEPE		FIVE	PIEPE5.PIEPE	FOUR	08/17/2017				
FIX/NAVAID	LAT/LONG	C	FO/FB	LEG TYPE	TC	DIST (NM)	ALTITUDE	SPEED	REMARKS
RW18R (AER)	350258.16N/0895914.79W	N	-	-	-	-			
860 MSL	-	-	-	VA	178.99	-			CG 500 FT/NM TO 860
EMIIT	344153.27N/0895925.66W	Y	FB	DF	-	-			
BEBIE	342800.16N/0900535.16W	Y	FB	TF	200.17	14.76			
PIEPE	342219.15N/0900621.77W	Y	FB	TF	186.47	5.71			
RW27 (AER)	350328.01N/0895721.08W	N	-	-	-	-			
860 MSL	-	-	-	VA	271.97	-			CG 500 FT/NM TO 860
2300 MSL	-	-	-	VM	271.97	-			
BEBIE	342800.16N/0900535.16W	Y	FB	DF	-	-			
PIEPE	342219.15N/0900621.77W	Y	FB	TF	186.47	5.71			
RW36C (AER)	350126.58N/0895831.90W	N	-	-	-	-			
-	350430.77N/0895835.77W	-	-	VI	359.01	3.07			CG 500 FT/NM TO 860
BEEAL	350837.23N/0900217.24W	Y	FB	CF	323.54	5.10			REFERENCE NAVAID: MHZ VORTAC
PRYMD	350848.18N/0900827.62W	Y	FB	TF	272.09	5.07			
EMAXE	350514.52N/0901215.67W	Y	FB	TF	221.27	4.73			
HOOSE	350046.88N/0901140.96W	Y	FB	TF	173.91	4.48			
BEBIE	342800.16N/0900535.16W	Y	FB	TF	171.24	33.11			
PIEPE	342219.15N/0900621.77W	Y	FB	TF	186.47	5.71			

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DP NAME		NUMBER	DP COMPUTER CODE	SUPERSEDED NUMBER	DATED	EFFECTIVE DATE			
PIEPE		FIVE	PIEPE5.PIEPE	FOUR	08/17/2017				
FIX/NAVAID	LAT/LONG	C	FO/FB	LEG TYPE	TC	DIST (NM)	ALTITUDE	SPEED	REMARKS
RW36L (AER)	350125.98N/0895912.81W	N	-	-	-	-			
-	350408.72N/0895916.31W	-	-	VI	358.99	2.71			CG 500 FT/NM TO 860
BEEAL	350837.23N/0900217.24W	Y	FB	CF	331.01	5.11			REFERENCE NAVAID: MHZ VORTAC
PRYMD	350848.18N/0900827.62W	Y	FB	TF	272.09	5.07			
EMAXE	350514.52N/0901215.67W	Y	FB	TF	221.27	4.73			
HOOSE	350046.88N/0901140.96W	Y	FB	TF	173.91	4.48			
BEBIE	342800.16N/0900535.16W	Y	FB	TF	171.24	33.11			
PIEPE	342219.15N/0900621.77W	Y	FB	TF	186.47	5.71			
RW36R (AER)	350126.74N/0895820.75W	N	-	-	-	-			
-	350418.26N/0895824.38W	-	-	VI	359.00	2.85			CG 500 FT/NM TO 860
BEEAL	350837.23N/0900217.24W	Y	FB	CF	323.52	5.36			REFERENCE NAVAID: MHZ VORTAC
PRYMD	350848.18N/0900827.62W	Y	FB	TF	272.09	5.07			
EMAXE	350514.52N/0901215.67W	Y	FB	TF	221.27	4.73			
HOOSE	350046.88N/0901140.96W	Y	FB	TF	173.91	4.48			
BEBIE	342800.16N/0900535.16W	Y	FB	TF	171.24	33.11			
PIEPE	342219.15N/0900621.77W	Y	FB	TF	186.47	5.71			
ENROUTE TRANSITION									
PIEPE	342219.15N/0900621.77W	Y	-	IF	-	-			PIEPE5.IBUFY
IBUFY	340527.95N/0900839.84W	Y	FB	TF	186.48	16.93			

QUALITY
3
CHECKED