

**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SUPERSEDED NUMBER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	FOUR	PIEPE4.PIEPE	THREE	04/30/2015	
<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 ON HEADING 092.95 OR AS ASSIGNED BY ATC, FOR RADAR VECTORS TO CROSS BEBIE AT OR ABOVE 5000, 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 ON HEADING 272.95 OR AS ASSIGNED BY ATC, FOR RADAR VECTORS TO CROSS BEBIE AT OR ABOVE 5000, 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	PIEPE4.IBUFY	PIEPE	IBUFY	TRACK 182.48	2.00	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:**

**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.

QUALITY  
3  
CHECKED

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PIEPE	FOUR	PIEPE4.PIEPE	THREE	04/30/2015	

**LOST COMMUNICATIONS PROCEDURES:**

**ADDITIONAL FLIGHT DATA:**

**CHART:** TOP ALTITUDE: 5000  
REFERENCE MAG VAR: KMEM 1W EPOCH YR: 2020  
DME/DME ASSESSMENT: SAT (RNP 2.0)  
**CHART:** MEA/MOCA FROM BEBIE TO PIEPE, 9000/1700

**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:**

PRYMD, EMAXE, HOOSE

**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:**

PENDING

**OFFICE SYMBOL:**

**DATE:**

**DEVELOPED BY:**

JIMMY SANG HUGHES

**OFFICE SYMBOL:**

**DATE:**

AJV-5422

03/20/2017

**APPROVED BY:**

JULIE A. MORGAN

**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

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PIEPE	FOUR	PIEPE4.PIEPE	THREE	04/30/2015	

**CHANGES - REASONS:**

1. XANDR ADDED TO RWY 18C/18L TRANSITIONS - SEPARATION FROM RWY 18R DEPARTURES.
2. PNA AT BIEBE ELIMINATED. - ATC REQUEST
3. RWY 36L CF TRACK TO BEEAL CHANGED FROM 330.06 TO 332.01 - ATC REQUEST.
4. RWY 36R CF TRACK TO BEEAL CHANGED FROM 322.58 TO 324.52 - ATC REQUEST.
5. DP ROUTE DESCRIPTION FOR RWY 9, 27: ADDED "OR AS ASSIGNED BY ATC" - ATC REQUEST.
6. ALL HEADINGS AND COURSES CHANGED BY 2 DEGREES - MAGVAR CHANGED FROM 1E TO 1W.



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

<u>DP NAME</u>		<u>NUMBER</u>		<u>DP COMPUTER CODE</u>		<u>SUPERSEDED NUMBER</u>		<u>DATED</u>	<u>EFFECTIVE DATE</u>
PIEPE		FOUR		PIEPE4.PIEPE		THREE		04/30/2015	
<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	-			
BEBIE	342800.16N/0900535.16W	Y	FB	DF	-	-	AT /ABOVE 5000		
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	AT/ABOVE 5000		
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	AT/ABOVE 5000		
PIEPE	342219.15N/0900621.77W	Y	FB	TF	186.47	5.71			

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PIEPE		FOUR		PIEPE4.PIEPE		THREE		04/30/2015	
<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	-	-	-	-			
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	AT/ABOVE 5000		
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
-	-	-	-	VM	271.97	-			
BEBIE	342800.16N/0900535.16W	Y	FB	DF	-	-	AT/ABOVE 5000		
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			RECOMMENDED 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	AT/ABOVE 5000		
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							FOUR	PIEPE4.PIEPE	THREE	04/30/2015	
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			RECOMMENDED 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	AT/ABOVE 5000				
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			RECOMMENDED 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	AT/ABOVE 5000				
PIEPE	342219.15N/0900621.77W	Y	FB	TF	186.47	5.71					
ENROUTE TRANSITION											
PIEPE	342219.15N/0900621.77W	Y	-	IF	-	-			PIEPE4.IBUFY		
IBUFY	340527.95N/0900839.84W	Y	FB	TF	186.48	16.93			QUALITY		

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