

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.

DP NAME						NUMBER	DP COMPUTER CODE	SUPERSEDED NUMBER	DATED	EFFECTIVE DATE
AUTMN						FOUR	AUTMN4.AUTMN	THREE	04/30/2015	17 AUG 2017
TYPE:	OBSTACLE	COPTER	SID	SPECIAL	RNAV					
	<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 VECTORS TO CROSS SHAAA AT OR ABOVE 5000, THEN ON DEPICTED ROUTE TO AUTMN, THENCE...
TAKEOFF RWY 18C: CLIMB HEADING 180.01 TO 860, THEN DIRECT GADEC, THEN ON DEPICTED ROUTE TO AUTMN, THENCE...
TAKEOFF RWY 18L: CLIMB HEADING 180.00 TO 860, THEN DIRECT GADEC, THEN ON DEPICTED ROUTE TO AUTMN, THENCE...
TAKEOFF RWY 18R: CLIMB HEADING 179.99 TO 860, THEN DIRECT HURTN, THEN ON DEPICTED ROUTE TO AUTMN, THENCE...
TAKEOFF RWY 27: CLIMB HEADING 272.97 TO 860, THEN CONTINUE CLIMB ON HEADING 272.97 OR AS ASSIGNED BY ATC FOR VECTORS TO CROSS SHAAA AT OR ABOVE 5000, THEN ON DEPICTED ROUTE TO AUTMN, THENCE...
TAKEOFF RWY 36C: CLIMB HEADING 000.01 TO INTERCEPT COURSE 324.54 TO BEEAL, THEN ON DEPICTED ROUTE TO AUTMN, THENCE...
TAKEOFF RWY 36L: CLIMB HEADING 359.99 TO INTERCEPT COURSE 332.01 TO BEEAL, THEN ON DEPICTED ROUTE TO AUTMN, THENCE...
TAKEOFF RWY 36R: CLIMB HEADING 360.00 TO INTERCEPT COURSE 324.52 TO BEEAL, THEN ON DEPICTED ROUTE TO AUTMN, THENCE...

...MAINTAIN 5000. EXPECT CLEARANCE TO FILED ALTITUDE WITHIN TEN (10) MINUTES AFTER DEPARTURE.

TRANSITION ROUTES (GRAPHIC DEPICTION ONLY):

TRANSITION NAME	TRANSITION COMPUTER CODE	FROM FIX/NAVAID	TO FIX/NAVAID	COURSE	DISTANCE	MEA	MOCA	CROSSING ALTITUDE/FIXES
LUVEC	AUTMN4.LUVEC	AUTMN	LUVEC	TRACK 233.63	2.00	9400	1700	

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 RATE, 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.



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AUTMN	FOUR	AUTMN4.AUTMN	THREE	04/30/2015	17 AUG 2017

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 SHAAA TO AUTMN, 9000/1600.
CHART MINIMUM CROSSING ALTITUDE AT SHAAA (5000).
CHART: TOP ALTITUDE: 5000

AIRPORTS SERVED:	AIRPORT NAME	CITY	STATE
	MEMPHIS INTL	MEMPHIS	TN

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

FIXES AND/OR NAVAIDS:
PRYMD, EMAXE

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:	OFFICE SYMBOL:	DATE:
<div><div>Brent Booker</div><div><i>Digitally signed by</i> ROBERT G HAMILTON Jun 19, 2017</div></div>	FICO	5/30/17
DEVELOPED BY:	OFFICE SYMBOL:	DATE:
<div><div>HEIDI SNIDER</div><div><i>Digitally signed by</i> ROBERT G HAMILTON Jun 19, 2017</div></div>	AJV-5423	03/15/2017
APPROVED BY:	OFFICE SYMBOL:	DATE:
<div><div>JULIE MORGAN</div><div><i>Digitally signed by</i> ROBERT G HAMILTON Jun 19, 2017</div></div>	AJV-5420	

REQUIRED EFFECTIVE DATE:
ROUTINE



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AUTMN	FOUR	AUTMN4.AUTMN	THREE	04/30/2015	17 AUG 2017

COORDINATED WITH:

A4A	ALPA	AOPA	APA	HAI	NBAA
<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

- CHANGES - REASONS:
- ADDED XANDR TO RWY 18C/18L TRANSITIONS - SEPARATION FROM RWY 18R DEPARTURES.
 - PNA AT SHAAA ELIMINATED - PNAS NO LONGER APPLICABLE.
 - DP ROUTE DESCRIPTION FOR RWY 9, 27: ADDED "OR AS ASSIGNED BY ATC" - ATC REQUEST.
 - DP ROUTE DESCRIPTION FOR RWY 9, 27: ADDED CROSSING RESTRICTION "FOR VECTORS TO CROSS SHAAA AT OR ABOVE 5000" - IAW FAAO 8260.46F, APPENDIX E, PARA 10C, CHART MINIMUM CROSSING ALTITUDE.
 - ADDITIONAL FLIGHT DATA; ADDED CHART MINIMUM CROSSING ALTITUDE AT SHAAA (5000) - IAW FAA 8260.46F APPENDIX E, PARA 10C CHART MINIMUM CROSSING ALTITUDE.
 - DP ROUTE DESCRIPTION/TRANSITIONS UPDATED ALL COURSE/HEADINGS 2 DEGREES - MAG VAR CHANGE FROM 1E/2000 TO 1W/2020.



FEDERAL AVIATION ADMINISTRATION

FLIGHT STANDARDS SERVICE

DEPARTURE (DATA RECORD)

DP NAME		NUMBER		DP COMPUTER CODE		SUPERSEDED NUMBER		DATED	EFFECTIVE DATE
AUTMN		FOUR		AUTMN4.AUTMN		THREE		04/30/2015	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	-			
SHAAA	344013.22N/0903206.68W	Y	FB	DF	-	-	AT/ABOVE 5000		
AUTMN	343641.51N/0903741.75W	Y	FB	TF	232.63	5.80			
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			
SHAAA	344013.22N/0903206.68W	Y	FB	TF	246.07	30.47	AT/ABOVE 5000		
AUTMN	343641.51N/0903741.75W	Y	FB	TF	232.63	5.80			
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			
SHAAA	344013.22N/0903206.68W	Y	FB	TF	246.07	30.47	AT/ABOVE 5000		
AUTMN	343641.51N/0903741.75W	Y	FB	TF	232.63	5.80			
RW18R (AER)	350258.16N/0895914.79W	N	-	-	-	-			
860 MSL	-	-	-	VA	178.99	-			CG 500 FT/NM TO 860



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AUTMN		FOUR		AUTMN4.AUTMN		THREE		04/30/2015	17 AUG 2017
FIX/NAVAID	LAT/LONG	C	FO/FB	LEG TYPE	TC	DIST (NM)	ALTITUDE	SPEED	REMARKS
HURTN	345240.27N/0895917.36W	Y	FB	DF	-	-			
SHAAA	344013.22N/0903206.68W	Y	FB	TF	245.47	29.76	AT/ABOVE 5000		
AUTMN	343641.51N/0903741.75W	Y	FB	TF	232.63	5.80			
RW27 (AER)	350328.01N/0895721.08W	N	-	-	-	-			
860 MSL	-	-	-	VA	271.97	-			CG 500 FT/NM TO 860
-	-	-	-	VM	271.97	-			
SHAAA	344013.22N/0903206.68W	Y	FB	DF	-	-	AT/ABOVE 5000		
AUTMN	343641.51N/0903741.75W	Y	FB	TF	232.63	5.80			
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			
SHAAA	344013.22N/0903206.68W	Y	FB	TF	213.27	29.85	AT/ABOVE 5000		
AUTMN	343641.51N/0903741.75W	Y	FB	TF	232.63	5.80			
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			



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AUTMN		FOUR		AUTMN4.AUTMN		THREE		04/30/2015	17 AUG 2017
FIX/NAVAID	LAT/LONG	C	FO/FB	LEG TYPE	TC	DIST (NM)	ALTITUDE	SPEED	REMARKS
EMAXE	350514.52N/0901215.67W	Y	FB	TF	221.27	4.73			
SHAAA	344013.22N/0903206.68W	Y	FB	TF	213.27	29.85	AT/ABOVE 5000		
AUTMN	343641.51N/0903741.75W	Y	FB	TF	232.63	5.80			
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			
SHAAA	344013.22N/0903206.68W	Y	FB	TF	213.27	29.85	AT/ABOVE 5000		
AUTMN	343641.51N/0903741.75W	Y	FB	TF	232.63	5.80			
ENROUTE TRANISTION									
AUTMN	343641.51N/0903741.75W	Y	-	IF	-	-			AUTMN4.LUVEC
LUVEC	343528.54N/0903937.27W	Y	FB	TF	232.63	2.00			

