

**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SUPERSEDED NUMBER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>ACTUAL EFFECTIVE DATE</u>
MRSSH	THREE	MRSSH3.MRSSH	TWO	02/04/2016	08 SEP 2022
<u>TYPE:</u>	<u>OBSTACLE</u>	<u>COPTER</u>	<u>SID</u>	<u>SPECIAL</u>	<u>RNAV</u>
☐	☐	☒	☐	☒	

DP ROUTE DESCRIPTION:

TAKEOFF RWY 17C: CLIMB ON HEADING 176.26 TO 1120, THEN DIRECT TO CROSS TREXX AT OR ABOVE 5000, THEN ON TRACK 100.06 TO JOLEN, THEN ON TRACK 084.88 TO THHOR, THENCE...
TAKEOFF RWY 17R: CLIMB ON HEADING 176.26 TO 1120, THEN DIRECT TO CROSS TREXX AT OR ABOVE 5000, THEN ON TRACK 100.06 TO JOLEN, THEN ON TRACK 084.88 TO THHOR, THENCE...
TAKEOFF RWY 18L: CLIMB ON HEADING 176.25 TO INTERCEPT COURSE 169.42 TO CROSS TREXX AT OR ABOVE 5000, THEN ON TRACK 100.06 TO JOLEN, THEN ON TRACK 084.88 TO THHOR, THENCE...
TAKEOFF RWY 18R: CLIMB ON HEADING 176.25 TO INTERCEPT COURSE 168.21 TO CROSS TREXX AT OR ABOVE 5000, THEN ON TRACK 100.06 TO JOLEN, THEN ON TRACK 084.88 TO THHOR, THENCE...
TAKEOFF RWY 35C: CLIMB ON HEADING 356.26 TO INTERCEPT COURSE 011.44 TO CROSS MECHL AT OR ABOVE 4000, THEN ON TRACK 091.87 TO CROSS BORDD AT OR ABOVE 6000, THEN ON TRACK 091.13 TO CROSS JYMME AT OR ABOVE 7000, THEN ON TRACK 120.86 TO THHOR, THENCE...
TAKEOFF RWY 35L: CLIMB ON HEADING 356.26 TO INTERCEPT COURSE 013.42 TO CROSS MECHL AT OR ABOVE 4000, THEN ON TRACK 091.87 TO CROSS BORDD AT OR ABOVE 6000, THEN ON TRACK 091.13 TO CROSS JYMME AT OR ABOVE 7000, THEN ON TRACK 120.86 TO THHOR, THENCE...
TAKEOFF RWY 36L: CLIMB ON HEADING 356.25 TO INTERCEPT COURSE 024.98 TO CROSS MECHL AT OR ABOVE 4000, THEN ON TRACK 091.87 TO CROSS BORDD AT OR ABOVE 6000, THEN ON TRACK 091.13 TO CROSS JYMME AT OR ABOVE 7000, THEN ON TRACK 120.86 TO THHOR, THENCE...
TAKEOFF RWY 36R: CLIMB ON HEADING 356.25 TO INTERCEPT COURSE 023.38 TO CROSS MECHL AT OR ABOVE 4000, THEN ON TRACK 091.87 TO CROSS BORDD AT OR ABOVE 6000, THEN ON TRACK 091.13 TO CROSS JYMME AT OR ABOVE 7000, THEN ON TRACK 120.86 TO THHOR, THENCE...

...ON TRACK 090.41 TO JJANE, THEN ON TRACK 090.68 TO MRSSH, THEN ON (TRANSITION) MAINTAIN 10000, EXPECT FILED ALTITUDE 10 MINUTES AFTER DEPARTURE.

TAKEOFF RWY 31L/R: CLIMB ON HEADING ASSIGNED BY ATC FOR RADAR VECTORS TO THHOR, THENCE...

...ON TRACK 090.41 TO JJANE, THEN ON TRACK 090.68 TO MRSSH, THEN ON (TRANSITION) MAINTAIN 5000, EXPECT FILED ALTITUDE 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>
BDDAY	MRSSH3.BDDAY	MRSSH	BDDAY	TRACK 113.66	34.60	10000	1900	
ZALEA	MRSSH3.ZALEA	MRSSH	ZALEA	TRACK 104.35	69.61	10000	2100	

PROCEDURAL DATA NOTES:

BDDAY TRANSITION: ATC ASSIGNED ONLY.

NOTE: FOR USE BY TURBOJET AIRCRAFT ONLY.

NOTE: NON-RNAV CAPABLE PROPS: FILE AND EXPECT DALLAS OR GARLAND DEPARTURE.

NOTE: RNAV CAPABLE PROPS: FILE AND EXPECT THE KUSSO RNAV DEPARTURE.

PBN REQUIREMENTS NOTES:

NOTE: RNAV 1 - DME/DME/IRU OR GPS.

EQUIPMENT REQUIREMENT NOTES:

NOTE: RADAR REQUIRED.



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MRSSH	THREE	MRSSH3.MRSSH	TWO	02/04/2016	08 SEP 2022

TAKEOFF MINIMUMS:

RWY 31L, 31R, STANDARD.

RWY 17C, 17R, 18L, 18R, 35C, 35L, 36L, 36R, STANDARD WITH MINIMUM CLIMB OF 500 FT PER NM TO 1120.

TAKEOFF OBSTACLES NOTES:

SEE FORM 8260-15A, TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP).

CONTROLLING OBSTACLES:**MSA:****LOST COMMUNICATIONS PROCEDURES:****ADDITIONAL FLIGHT DATA:**

DME/DME ASSESSMENT: SAT (RNP 2.0)

CHART: MEA/MOCA FROM THHOR TO JJANE 10000/2000, FROM JJANE TO MRSSH 10000/2600.

CHART: TOP ALTITUDE RWY 31L/31R: 5000; RWY 17C/17R/18L/18R/35L/35C/36L/36R: 10000.

AIRPORTS SERVED:

<u>AIRPORT ID</u>	<u>CITY</u>	<u>STATE</u>
KDFW	DALLAS-FORT WORTH	TX

COMMUNICATIONS:

ATIS, CLNC DEL, GND CON, TOWER

FIXES AND/OR NAVAIDS:

CHART: HANUH, LYING, ZERLU, SWDIA, TRRCH, JAYXX, ZACHH, TRYTN, FORCK.

REMARKS:

WAIVER ON FILE FOR TERMINOLOGY USED IN DP ROUTE DESCRIPTION FOR RWY 31L/R (CLIMB HEADING ASSIGNED BY ATC). LETTER OF APPROVAL ON FILE FOR VI-CF INTERCEPT ANGLES LESS THAN 10 DEGREES. ABBREVIATED AMENDMENT.

FLIGHT INSPECTED BY**OFFICE****DATE**

PROCESSED IAW TECHNICAL SUPPORT GROUP (AJF-17) MEMO DATED 07/07/2021, SUBJECT: GUIDANCE FOR PROCEDURAL CHANGES REQUIRING FLIGHT INSPECTION/VALIDATION.

*Digitally signed by***MARK D ADAMS****DEVELOPED BY***Digitally signed by*

ANTHONY CAPPABIANCO

ANTHONY J CAPPABIANCO

May 05, 2022

OFFICE**DATE**

AJV-A412

01/18/2022

APPROVED BY

JULIE MORGAN

*Digitally signed by***MARK D ADAMS**

May 19, 2022

OFFICE**DATE****TITLE**

AJV-A410

MANAGER

REQUIRED EFFECTIVE DATE

ROUTINE

COORDINATED WITH:**A4A** ☒**ALPA** ☒**AOPA** ☒**APA** ☒**HAI** ☐**NBAA** ☒**OTHER:** ZFW, DFW ATCT, REGIONAL APP CON, AMGR

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MRSSH	THREE	MRSSH3.MRSSH	TWO	02/04/2016	08 SEP 2022

CHANGES - REASONS:

1. DP ROUTE DESCRIPTION: CHANGED ALL "CLIMB HEADING..." TO "CLIMB ON HEADING..." - NEW CRITERIA 8260.46H, PARA 2-1-G(1).
2. DP ROUTE DESCRIPTION: TAKEOFF RWY 31L/R: CHANGED "...EXPECT RADAR VECTORS..." TO "...FOR RADAR VECTORS..." - NEW CRITERIA 8260.46H, PARA 2-1-1G(2).
3. PROCEDURAL DATA NOTES: CHANGED NOTE FROM "NON-RNAV CAPABLE PROPS: FILE AND EXPECT WYLIE OR HUBBARD DEPARTURE" TO "NON-RNAV CAPABLE PROPS: FILE AND EXPECT DALLAS OR GARLAND DEPARTURE" - ATC REQUEST.
4. MOVED "NOTE: RADAR REQUIRED" FROM PROCEDURAL DATA NOTES TO EQUIPMENT REQUIREMENTS NOTE - UPDATED CRITERIA 8260.46H, PARA 2-1-1 F(5).
5. DELETED "NOTE: DME/DME/IRU OR GPS REQUIRED" AND "NOTE: RNAV 1" AND FROM PROCEDURAL DATA NOTES AND ADDED "NOTE: RNAV 1 - DME/DME/IRU OR GPS" TO PBN REQUIREMENTS NOTES - 8260.46H IMPLEMENTATION LETTER.
6. ADDITIONAL FLIGHT DATA: DELETED REFERENCE MAG VAR - NO LONGER REQUIRED BY THE 8260.46H.
7. ADDITIONAL FLIGHT DATA: DELETED "CHART SPEED ICON MAXIMUM SPEED 240 KIAS AT TREXX" - ATC REQUEST.
8. ADDITIONAL FLIGHT DATA: DELETED "CHART SPEED ICON MAXIMUM SPEED 240 KIAS AT MECHL" - ATC REQUEST.
9. COMMUNICATIONS: DELETED DEP CON - NO LONGER REQUIRED BY CRITERIA.
10. ADDITIONAL FLIGHT DATA: DELETED PILOT NAVIGATION AREA - NO LONGER REQUIRED BY CRITERIA.
11. TAKEOFF OBSTACLE NOTES: UPDATED TO CURRENT CRITERIA 8260.46H, APP E, SEC 1, PARA 9.
12. REMARKS: DELETED "PGO VORTAC IS CLOSEST SUITABLE NAVAID (161.75 NM) SET AT MAGVAR 4E TO USE AS RECOMMENDED NAVAID FOR CF LEGS" - RECOMMENDED NAVAID INFORMATION NO LONGER REQUIRED.

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

DP NAME		NUMBER		DP COMPUTER CODE		SUPERSEDED NUMBER		DATED		ACTUAL EFFECTIVE DATE	
MRSSH		THREE		MRSSH3.MRSSH		TWO		02/04/2016		08 SEP 2022	
FIX/NAVAID	LAT/LONG	C	FO/FB	LEG TYPE	TC	DIST (NM)	ALTITUDE	SPEED	REMARKS		
RW17C (AER)	325456.54N/0970133.51W	N	-	-	-	-					
1120 MSL	-	-	-	VA	180.26	-			CG 500 FT/NM TO 1120.		
TREXX	324227.80N/0970148.53W	Y	FB	DF	-	-	AT/ABOVE 5000				
JOLEN	324117.63N/0965617.68W	Y	FB	TF	104.06	4.80					
THHOR	324148.38N/0962000.56W	Y	FB	TF	088.88	30.63					
RW17R (AER)	325456.60N/0970147.58W	N	-	-	-	-					
1120 MSL	-	-	-	VA	180.26	-			CG 500 FT/NM TO 1120.		
TREXX	324227.80N/0970148.53W	Y	FB	DF	-	-	AT/ABOVE 5000				
JOLEN	324117.63N/0965617.68W	Y	FB	TF	104.06	4.80					
THHOR	324148.38N/0962000.56W	Y	FB	TF	088.88	30.63					
RW18L (AER)	325456.88N/0970302.65W	N	-	-	-	-					
	325138.17N/0970303.67W	-	-	VI	180.25	3.31			CG 500 FT/NM TO 1120.		
TREXX	324227.80N/0970148.53W	Y	FB	CF	173.42	9.22	AT/ABOVE 5000				
JOLEN	324117.63N/0965617.68W	Y	FB	TF	104.06	4.80					
THHOR	324148.38N/0962000.56W	Y	FB	TF	088.88	30.63					
RW18R (AER)	325456.93N/0970316.72W	N	-	-	-	-					
	325138.82N/0970317.74W	-	-	VI	180.25	3.30			CG 500 FT/NM TO 1120.		
TREXX	324227.80N/0970148.53W	Y	FB	CF	172.21	9.25	AT/ABOVE 5000				
JOLEN	324117.63N/0965617.68W	Y	FB	TF	104.06	4.80					

QUALITY
16
CHECKED

QUALITY
20
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MRSSH		THREE		MRSSH3.MRSSH		TWO		02/04/2016	08 SEP 2022
<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>
THHOR	324148.38N/0962000.56W	Y	FB	TF	088.88	30.63			
RW31L (AER)	325324.97N/0970347.80W	N	-	-	-	-			
		-	-	VM	319.06	-			
THHOR	324148.38N/0962000.56W	Y	FB	DF	-	-			
RW31R (AER)	325341.93N/0970003.04W	N	-	-	-	-			
		-	-	VM	315.28	-			
THHOR	324148.38N/0962000.56W	Y	FB	DF	-	-			
RW35C (AER)	325243.96N/0970134.22W	N	-	-	-	-			
	325601.48N/0970133.13W	-	-	VI	000.26	3.29			CG 500 FT/NM TO 1120.
MECHL	330113.00N/0965951.00W	Y	FB	CF	015.44	5.38	AT/ABOVE 4000		
BORDD	330049.61N/0965521.91W	Y	FB	TF	095.87	3.79	AT/ABOVE 6000		
JYMME	330033.00N/0965143.09W	Y	FB	TF	095.13	3.08	AT/ABOVE 7000		
THHOR	324148.38N/0962000.56W	Y	FB	TF	124.86	32.61			
RW35L (AER)	325244.02N/0970148.29W	N	-	-	-	-			
	325600.92N/0970147.23W	-	-	VI	000.26	3.28			CG 500 FT/NM TO 1120.
MECHL	330113.00N/0965951.00W	Y	FB	CF	017.42	5.44	AT/ABOVE 4000		
BORDD	330049.61N/0965521.91W	Y	FB	TF	095.87	3.79	AT/ABOVE 6000		
JYMME	330033.00N/0965143.09W	Y	FB	TF	095.13	3.08	AT/ABOVE 7000		
THHOR	324148.38N/0962000.56W	Y	FB	TF	124.86	32.61			

QUALITY
20
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DP NAME		NUMBER		DP COMPUTER CODE		SUPERSEDED NUMBER		DATED		ACTUAL EFFECTIVE DATE	
MRSSH		THREE		MRSSH3.MRSSH		TWO		02/04/2016		08 SEP 2022	
FIX/NAVAID	LAT/LONG	C	FO/FB	LEG TYPE	TC	DIST (NM)	ALTITUDE	SPEED	REMARKS		
RW36L (AER)	325244.35N/0970317.40W	N	-	-	-	-					
	325600.65N/0970316.38W	-	-	VI	000.25	3.27			CG 500 FT/NM TO 1120.		
MECHL	330113.00N/0965951.00W	Y	FB	CF	028.98	5.94	AT/ABOVE 4000				
BORDD	330049.61N/0965521.91W	Y	FB	TF	095.87	3.79	AT/ABOVE 6000				
JYMME	330033.00N/0965143.09W	Y	FB	TF	095.13	3.08	AT/ABOVE 7000				
THHOR	324148.38N/0962000.56W	Y	FB	TF	124.86	32.61					
RW36R (AER)	325244.30N/0970303.30W	N	-	-	-	-					
	325601.81N/0970302.31W	-	-	VI	000.25	3.29			CG 500 FT/NM TO 1120.		
MECHL	330113.00N/0965951.00W	Y	FB	CF	027.38	5.83	AT/ABOVE 4000				
BORDD	330049.61N/0965521.91W	Y	FB	TF	095.87	3.97	AT/ABOVE 6000				
JYMME	330033.00N/0965143.09W	Y	FB	TF	095.13	3.08	AT/ABOVE 7000				
THHOR	324148.38N/0962000.56W	Y	FB	TF	124.86	32.61					
THHOR	324148.38N/0962000.56W	Y	-	IF	-	-					
JJANE	323948.54N/0955017.67W	Y	FB	TF	094.41	25.16					
MRSSH	323507.07N/0944627.83W	Y	FB	TF	094.68	54.11					
MRSSH	323507.07N/0944627.83W	Y	-	IF	-	-			MRSSH3.BDDAY		
BDDAY	321856.11N/0941018.17W	Y	FB	TF	117.66	34.60					
MRSSH	323507.07N/0944627.83W	Y	-	IF	-	-			MRSSH3.ZALEA		
ZALEA	321245.50N/0932835.29W	Y	FB	TF	108.35	69.61					

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