

**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SUPERSEDED NUMBER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>
DARTZ	NINE	DARTZ9.DARTZ	EIGHT	10/10/2019	03 NOV 2022
<u>TYPE:</u>	<u>OBSTACLE</u>	<u>COPTER</u>	<u>SID</u>	<u>SPECIAL</u>	<u>RNAV</u>
	☐	☐	☒	☐	☒

THIS IS A CORRECTED COPY OF THIS PROCEDURE PREVIOUSLY PUBLISHED IN NFDD #156.

DP ROUTE DESCRIPTION:

TAKEOFF RWY 17C: CLIMB ON HEADING 176.26 TO 1120, THEN DIRECT TREXX, CROSS TREXX AT OR ABOVE 5000 AND AT OR BELOW 240 KIAS, THEN ON TRACK 152.56 TO DALBY, THEN ON TRACK 153.51 TO CROSS OUTTR AT OR ABOVE 9000, THEN ON TRACK 151.93 TO DARTZ, THENCE...

TAKEOFF RWY 17R: CLIMB ON HEADING 176.26 TO 1120, THEN DIRECT TREXX, CROSS TREXX AT OR ABOVE 5000 AND AT OR BELOW 240 KIAS, THEN ON TRACK 152.56 TO DALBY, THEN ON TRACK 153.51 TO CROSS OUTTR AT OR ABOVE 9000, THEN ON TRACK 151.93 TO DARTZ, THENCE...

TAKEOFF RWY 18L: CLIMB ON HEADING 176.25 TO 1120, THEN DIRECT LARRN, CROSS LARRN AT OR ABOVE 5000 AND AT OR BELOW 240 KIAS, THEN ON TRACK 176.51 TO LIZIE, THEN ON TRACK 143.76 TO CROSS CALEK AT OR ABOVE 10000, THEN ON TRACK 143.07 TO DARTZ, THENCE...

TAKEOFF RWY 18R: CLIMB ON HEADING 176.25 TO 1120, THEN DIRECT LARRN, CROSS LARRN AT OR ABOVE 5000 AND AT OR BELOW 240 KIAS, THEN ON TRACK 176.51 TO LIZIE, THEN ON TRACK 143.76 TO CROSS CALEK AT OR ABOVE 10000, THEN ON TRACK 143.07 TO DARTZ, THENCE...

TAKEOFF RWY 35C: CLIMB ON HEADING 356.26 TO INTERCEPT COURSE 011.56 TO CROSS MECHL AT OR ABOVE 4000 AND AT OR BELOW 240 KIAS, 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 124.99 TO OWLLS, THEN ON TRACK 176.87 TO SKTRR, THEN ON TRACK 177.92 TO DARTZ, THENCE...

TAKEOFF RWY 35L: : CLIMB ON HEADING 356.26 TO INTERCEPT COURSE 013.55 TO CROSS MECHL AT OR ABOVE 4000 AND AT OR BELOW 240 KIAS, 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 124.99 TO OWLLS, THEN ON TRACK 176.87 TO SKTRR, THEN ON TRACK 177.92 TO DARTZ, THENCE...

TAKEOFF RWY 36L: CLIMB ON HEADING 356.25 TO INTERCEPT COURSE 339.95 TO GVINE, THEN ON TRACK 262.00 TO CROSS KMART AT OR ABOVE 5500 AND AT OR BELOW 240 KIAS, THEN ON TRACK 259.34 TO MARSN, THEN ON TRACK 219.73 TO KELLR, THEN ON TRACK 173.42 TO MYGAL, THEN ON TRACK 136.81 TO DARTZ, THENCE...

TAKEOFF RWY 36R: CLIMB ON HEADING 356.25 TO INTERCEPT COURSE 337.74 TO GVINE, THEN ON TRACK 262.00 TO CROSS KMART AT OR ABOVE 5500 AND AT OR BELOW 240 KIAS, THEN ON TRACK 259.34 TO MARSN, THEN ON TRACK 219.73 TO KELLR, THEN ON TRACK 173.42 TO MYGAL, THEN ON TRACK 136.81 TO DARTZ, THENCE...

TAKEOFF RWY 31L: CLIMB ON HEADING 315.05 OR AS ASSIGNED BY ATC, FOR VECTORS TO DARTZ, MAINTAIN 5000, EXPECT FILED ALTITUDE 10 MINUTES AFTER DEPARTURE.

TAKEOFF RWY 31R: CLIMB ON HEADING 311.27 OR AS ASSIGNED BY ATC, FOR VECTORS TO DARTZ, MAINTAIN 5000, EXPECT FILED ALTITUDE 10 MINUTES AFTER DEPARTURE.

... (TRANSITION) MAINTAIN 10000, 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>
NAVASOTA	DARTZ9.TNV	DARTZ	BRDEN	TRACK 157.64	25.18	14100	2100	
			TORNN	TRACK 157.73	23.08	FL180	2100	
			BILEE	TRACK 158.16	22.38	FL180	2100	



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DARTZ	NINE	DARTZ9.DARTZ	EIGHT	10/10/2019	03 NOV 2022
TNV VOR/DME					
TRACK 158.23 55.04 FL180 2100					
TORNN	DARTZ9.TORNN	DARTZ	BRDEN	TRACK 157.64 25.18 14100 2100	
TORNN					
TRACK 157.73 23.08 FL180 2100					

PROCEDURAL DATA NOTES:

TORNN TRANSITION: FOR AIRCRAFT OVERLYING TORNN INTERSECTION, THEN ON THE APPROPRIATE RNAV STAR TO IAH, CXO, DWH, T78, OR 6R3.
NOTE: FOR USE BY TURBO-JETS ONLY.

PBN REQUIREMENTS NOTES:

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

EQUIPMENT REQUIREMENT NOTES:

RADAR REQUIRED.

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:**

REFERENCE MAG VAR: KDFW 4E EPOCH YEAR: 2015.

DME/DME ASSESSMENT: SAT (RNP 2.0).

CHART: TOP ALTITUDE: RWY 13L/R, 17L/C/R, 18L/R, 35L/C/R, 36L/R: 10000; RWY 31L/R: 5000.

AIRPORTS SERVED:

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

COMMUNICATIONS:

CHART: ATIS, CLNC DEL, GND CON, TOWER

FIXES AND/OR NAVAIDS:

CHART: NELYN, JASPA, ARDIA.

REMARKS:

PGO VORTAC IS CLOSEST SUITABLE NAVAID (161.75 NM) SET AT MAGVAR 4E TO USE AS RECOMMENDED NAVAID FOR CF LEGS.



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DARTZ	NINE	DARTZ9.DARTZ	EIGHT	10/10/2019	03 NOV 2022

FLIGHT INSPECTED BYOFFICEDATE*Digitally signed by*

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

DAVID TEFFETELLER

Aug 23, 2022

DEVELOPED BY*Digitally signed by*OFFICEDATE

GUY COPELAND

DAVID TEFFETELLER

AJV-A433

06/14/2022

Aug 23, 2022

APPROVED BY*Digitally signed by*OFFICEDATETITLE

LONNIE EVERHART

DAVID TEFFETELLER

AJV-A430

MANAGER

Aug 23, 2022

REQUIRED EFFECTIVE DATE

ROUTINE

COORDINATED WITH:

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

CHANGES - REASONS:

1. REMOVED BILEE TRANSITION NOTE - FPT AND ATC REQUEST.
2. UPDATED TORNN TRANSITION NOTE TO APPLY ONLY FOR AIRCRAFT DESTINED TO AIH, CXO, DWH, T78, OR 6R3 - FPT AND ATC REQUEST.
3. REVISED MOCAS IAW 8260.3E 2-2-7D(3)
4. UPDATED TAKEOFF RWY 31L DEPARTURE ROUTE FROM CLIMB ON HEADING ASSIGNED BY ATC, FOR RADAR VECTORS TO DARTZ, MAINTAIN 5000, EXPECT FILED ALTITUDE TEN MINUTES AFTER DEPARTURE TO CLIMB ON HEADING 315.05 OR AS ASSIGNED BY ATC, FOR VECTORS TO DARTZ, MAINTAIN 5000, THENCE... - ATC REQUEST.
5. UPDATED TAKEOFF RWY 31R DEPARTURE ROUTE FROM CLIMB ON HEADING ASSIGNED BY ATC, FOR RADAR VECTORS TO DARTZ, MAINTAIN 5000, EXPECT FILED ALTITUDE TEN MINUTES AFTER DEPARTURE TO CLIMB ON HEADING 311.27 OR AS ASSIGNED BY ATC, FOR VECTORS TO DARTZ, MAINTAIN 5000, THENCE... - ATC REQUEST.
6. UPDATED TAKEOFF RWY 35C HEADING FROM 356.27 TO 356.26 - ROUNDING UPDATE BASED ON NEW EVALUTION ONLY.
7. UPDATED TAKE OFF RWY 35L COURSE FROM 013.42 TO 013.55, TAKEOFF RWY 36L FROM 339.79 TO 339.95, AND TAKEOFF RWY 36R FROM 337.56 TO 337.74 - ROUNDING UPDATE BASED ON NEW EVALUATION ONLY.
8. MOVED 'RADAR REQUIRED' NOTE FROM PROCEDURAL DATA NOTES TO EQUIPMENT REQUIREMENTS NOTES - FORMAT UPDATED IAW 8260.46H.
9. REMOVED 'DME/DME IRU/ OR GPS REQUIRED AND ' RNAV 1' NOTES FROM PROCEDURAL DATA NOTES AND ADDED 'RNAV 1 - DME/DME/IRU OR GPS' NOTE UNDER PBN REQUIREMENTS NOTES - FORMAT UPDATED IAW 8260.46H.

08/23/2022 THIS IS A CORRECTED COPY OF THE FORM APPROVED ON 07/14/2022:

1. INCREASE THE NAVASOTA TRANSITION LEG FROM DARTZ TO BRDEN MOCA FROM 2000 TO 2100.
2. UPDATE TAKEOFF RWY 31L DEPARTURE ROUTE FROM CLIMB ON HEADING 315.05 OR AS ASSIGNED BY ATC, FOR VECTORS TO DARTZ, MAINTAIN 5000, THENCE... TO CLIMB ON HEADING 315.05 OR AS ASSIGNED BY ATC, FOR VECTORS TO DARTZ, MAINTAIN 5000, EXPECT FILED ALTITUDE 10 MINUTES AFTER DEPARTURE.
3. UPDATE TAKEOFF RWY 31R DEPARTURE ROUTE FROM CLIMB ON HEADING 311.27 OR AS ASSIGNED BY ATC, FOR VECTORS TO DARTZ, MAINTAIN 5000, THENCE... TO CLIMB ON HEADING 311.27 OR AS ASSIGNED BY ATC, FOR VECTORS TO DARTZ, MAINTAIN 5000, EXPECT FILED ALTITUDE 10 MINUTES AFTER DEPARTURE.

QUALITY
18
CHECKED

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

DP NAME				NUMBER		DP COMPUTER CODE		SUPERSEDED NUMBER		DATED		ACTUAL EFFECTIVE DATE	
DARTZ				NINE		DARTZ9.DARTZ		EIGHT		10/10/2019		03 NOV 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	-	AT/ABOVE 1120		CLIMB GRADIENT 500 FT/NM TO 1120				
TREXX	324227.80N/0970148.53W	Y	FB	DF	-	-	AT/ABOVE 5000	AT/BELOW 240K					
DALBY	323629.23N/0965844.88W	Y	FB	TF	156.56	6.50							
OUTTR	323410.96N/0965737.27W	Y	FB	TF	157.51	2.49	AT/ABOVE 9000						
DARTZ	321708.72N/0964839.78W	Y	FB	TF	155.93	18.62							
RW17R (AER)	325456.60N/0970147.58W	N	-	-	-	-							
1120 MSL	-	-	-	VA	180.26	-	AT/ABOVE 1120		CLIMB GRADIENT 500 FT/NM TO 1120				
TREXX	324227.80N/0970148.53W	Y	FB	DF	-	-	AT/ABOVE 5000	AT/BELOW 240K					
DALBY	323629.23N/0965844.88W	Y	FB	TF	156.56	6.50							
OUTTR	323410.96N/0965737.27W	Y	FB	TF	157.51	2.49	AT/ABOVE 9000						
DARTZ	321708.72N/0964839.78W	Y	FB	TF	155.93	18.62							
RW18L (AER)	325456.88N/0970302.65W	N	-	-	-	-							
1120 MSL	-	-	-	VA	180.25	-	AT/ABOVE 1120		CLIMB GRADIENT 500 FT/NM TO 1120				
LARRN	324228.17N/0970315.36W	Y	FB	DF	-	-	AT/ABOVE 5000	AT/BELOW 240K					
LIZIE	323627.46N/0970319.17W	Y	FB	TF	180.51	6.00							
CALEK	323304.03N/0970047.69W	Y	FB	TF	147.76	4.00	AT/ABOVE 10000						
DARTZ	321708.72N/0964839.78W	Y	FB	TF	147.07	18.92							
RW18R (AER)	325456.93N/0970316.72W	N	-	-	-	-							

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DP NAME					NUMBER	DP COMPUTER CODE	SUPERSEDED NUMBER	DATED	ACTUAL EFFECTIVE DATE
DARTZ					NINE	DARTZ9.DARTZ	EIGHT	10/10/2019	03 NOV 2022
FIX/NAVAID	LAT/LONG	C	FO/FB	LEG TYPE	TC	DIST (NM)	ALTITUDE	SPEED	REMARKS
1120 MSL	-	-	-	VA	180.25	-	AT/ABOVE 1120		CLIMB GRADIENT 500 FT/NM TO 1120
LARRN	324228.17N/0970315.36W	Y	FB	DF	-	-	AT/ABOVE 5000	AT/BELOW 240K	
LIZIE	323627.46N/0970319.17W	Y	FB	TF	180.51	6.00			
CALEK	323304.03N/0970047.69W	Y	FB	TF	147.76	4.00	AT/ABOVE 10000		
CALEK	321708.72N/0964839.78W	Y	FB	TF	147.07	18.92			
RW31L (AER)	325324.97N/0970347.80W	N	-	-	-	-			
-	-	-	-	VM	319.05	-			
DARTZ	321708.72N/0964839.78W	Y	FB	DF	-	-			
RW31R (AER)	325341.93N/0970003.04W	N	-	-	-	-			
-	-	-	-	VM	315.27	-			
DARTZ	321708.72N/0964839.78W	Y	FB	DF	-	-			
RW35C (AER)	325243.96N/0970134.22W	N	-	-	-	-			
-	325603.61N/0970133.15W	-	-	VI	000.26	3.32			CLIMB GRADIENT 500 FT/NM TO 1120
MECHL	330113.00N/0965951.00W	Y	FB	CF	015.56	5.34	AT/ABOVE 4000	AT/BELOW 240K	RECOMMENDED NAVAID: PGO VORTAC
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		
OWLLS	325733.21N/0964719.77W	Y	FB	TF	128.99	4.75			
SKTRR	324521.79N/0964732.89W	Y	FB	TF	180.87	12.17			
DARTZ	321708.72N/0964839.78W	Y	FB	TF	181.92	28.18			
RW35L (AER)	325244.02N/0970148.29W	N	-	-	-	-			

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DP NAME		NUMBER		DP COMPUTER CODE		SUPERSEDED NUMBER		DATED		ACTUAL EFFECTIVE DATE	
DARTZ		NINE		DARTZ9.DARTZ		EIGHT		10/10/2019		03 NOV 2022	
FIX/NAVAID	LAT/LONG	C	FO/FB	LEG TYPE	TC	DIST (NM)	ALTITUDE	SPEED	REMARKS		
-	325603.13N/0970147.23W	-	-	VI	000.26	3.31			CLIMB GRADIENT 500 FT/NM TO 1120		
MECHL	330113.00N/0965951.00W	Y	FB	CF	017.55	5.41	AT/ABOVE 4000	AT/BELOW 240K	RECOMMENDED NAVAID: PGO VORTAC		
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				
OWLLS	325733.21N/0964719.77W	Y	FB	TF	128.99	4.75					
SKTRR	324521.79N/0964732.89W	Y	FB	TF	180.87	12.17					
DARTZ	321708.72N/0964839.78W	Y	FB	TF	181.92	28.18					
RW36L (AER)	325244.35N/0970317.40W	N	-	-	-	-					
-	325558.71N/0970316.41W	-	-	VI	000.25	3.23					
GVINE	330043.50N/0970453.56W	Y	FB	CF	343.95	4.93			CLIMB GRADIENT 500 FT/NM TO 1120		
KMART	330025.19N/0971002.47W	Y	FB	TF	266.00	4.34	AT/ABOVE 5500	AT/BELOW 240K	RECOMMENDED NAVAID: PGO VORTAC		
MARSN	325959.38N/0971424.03W	Y	FB	TF	263.34	3.69					
KELLR	325708.70N/0971737.66W	Y	FB	TF	223.73	3.93					
MYGAL	324647.91N/0971704.53W	Y	FB	TF	177.42	10.34					
DARTZ	321708.72N/0964839.78W	Y	FB	TF	140.81	38.11					
RW36R (AER)	325244.30N/0970303.33W	N	-	-	-	-					
-	325559.22N/0970302.33W	-	-	VI	000.25	3.24					
GVINE	330043.50N/0970453.56W	Y	FB	CF	341.74	4.98			CLIMB GRADIENT 500 FT/NM TO 1120		
KMART	330025.19N/0971002.47W	Y	FB	TF	266.00	4.34	AT/ABOVE 5500	AT/BELOW 240K	RECOMMENDED NAVAID: PGO VORTAC		
MARSN	325959.38N/0971424.03W	Y	FB	TF	263.34	3.69					
KELLR	325708.70N/0971737.66W	Y	FB	TF	223.73	3.93					
MYGAL	324647.91N/0971704.53W	Y	FB	TF	177.42	10.34					

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DARTZ		NINE		DARTZ9.DARTZ		EIGHT		10/10/2019	03 NOV 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>
DARTZ	321708.72N/0964839.78W	Y	FB	TF	140.81	38.11			
TRANSITIONS									
DARTZ	321708.72N/0964839.78W	Y	-	IF	-	-			DARTZ9.TNV
BRDEN	315311.46N/0963920.96W	Y	FB	TF	161.64	25.18			
TORNN	313113.39N/0963052.96W	Y	FB	TF	161.73	23.08			
BILEE	310952.25N/0962253.62W	Y	FB	TF	162.16	22.38			
TNV VOR/DME	301718.70N/0960329.66W	Y	FB	TF	162.23	55.04			
DARTZ	321708.72N/0964839.78W	Y	-	IF	-	-			DARTZ9.TORNN
BRDEN	315311.46N/0963920.96W	Y	FB	TF	161.64	25.18			
TORNN	313113.39N/0963052.96W	Y	FB	TF	161.73	23.08			

