

U.S. DEPARTMENT of TRANSPORTATION – FEDERAL AVIATION ADMINISTRATION
GRAPHIC DEPARTURE PROCEDURE (DP)

Bearings, headings, courses, tracks, and radials are magnetic. Elevation 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. Graphic depictions attached.

DP Name	Number	DP Computer Code	Superseded Number	Dated	Effective Date
NELYN	FIVE	NELYN5.NELYN	FOUR	18 SEP 2014	30 APR 2015

TYPE: RNAV SID

DP ROUTE DESCRIPTION:

TAKEOFF RWY 17C: CLIMB HEADING 176.27 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 204.54 TO CROSS ONKAE AT OR ABOVE 10000, THEN ON DEPICTED ROUTE TO NELYN, THENCE...

TAKEOFF RWY 17R: CLIMB 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 204.54 TO CROSS ONKAE AT OR ABOVE 10000, THEN ON DEPICTED ROUTE TO NELYN, THENCE...

TAKEOFF RWY 18L: CLIMB HEADING 176.25 TO 1120, THEN DIRECT LARRN, CROSS LARRN AT OR ABOVE 5000 AND AT OR BELOW 240 KIAS, THEN ON TRACK 190.82 TO CROSS WETUR AT OR ABOVE 10000, THEN ON DEPICTED ROUTE TO NELYN, THENCE...

TAKEOFF RWY 18R: CLIMB HEADING 176.25 TO 1120, THEN DIRECT LARRN, CROSS LARRN AT OR ABOVE 5000 AND AT OR BELOW 240 KIAS, THEN ON TRACK 190.82 TO CROSS WETUR AT OR ABOVE 10000, THEN ON DEPICTED ROUTE TO NELYN, THENCE...

TAKEOFF RWY 35C: CLIMB HEADING 356.27 TO INTERCEPT COURSE 011.44 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 DEPICTED ROUTE TO NELYN, THENCE...

TAKEOFF RWY 35L: CLIMB HEADING 356.26 TO INTERCEPT COURSE 013.42 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 DEPICTED ROUTE TO NELYN, THENCE...

TAKEOFF RWY 36L: CLIMB HEADING 356.25 TO INTERCEPT COURSE 339.79 TO GVINE, THEN ON COURSE 262.00 TO CROSS KMART AT OR ABOVE 5500 AND AT OR BELOW 240 KIAS, THEN ON DEPICTED ROUTE TO NELYN, THENCE...

TAKEOFF RWY 36R: CLIMB HEADING 356.25 TO INTERCEPT COURSE 337.56 TO GVINE, THEN ON COURSE 262.00 TO CROSS KMART AT OR ABOVE 5500 AND AT OR BELOW 240 KIAS, THEN ON DEPICTED ROUTE TO NELYN, THENCE...

TAKEOFF RWY 31L/R: CLIMB HEADING ASSIGNED BY ATC, EXPECT RADAR VECTORS TO NELYN, MAINTAIN 5000, THENCE...

... (TRANSITION) MAINTAIN 10000, EXPECT FILED ALTITUDE TEN MINUTES AFTER DEPARTURE.

TRANSITION ROUTES (GRAPHIC DEPICTION ONLY):

Transition Name	Transition Computer Codes	From FIX/NAVAID	To FIX/NAVAID	Course	Distance	MEA	MOCA	Crossing Altitudes/Fixes
WACO	NELYN5.ACT	NELYN	ACT VORTAC	TRACK 182.51	37.52	16600	2100	
HOARY	NELYN5.HOARY	NELYN	ACT VORTAC	TRACK 182.51	37.52	16600	2100	
		ACT VORTAC	PRIZE	TRACK 198.00	26.00	FL180	2800	
		PRIZE	HOARY	TRACK 197.90	44.00	FL180	3100	
SAN ANTONIO	NELYN5.SAT	NELYN	ACT VORTAC	TRACK 182.51	37.52	16600	2100	
		ACT VORTAC	PRIZE	TRACK 198.00	26.00	FL180	2800	
		PRIZE	HOARY	TRACK 197.90	44.00	FL180	3100	
		HOARY	SAT VORTAC	TRACK 208.76	66.29	FL180	2900	



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PROCEDURAL DATA NOTES/TAKEOFF MINIMUMS:

SAN ANTONIO TRANSITION: FOR AIRCRAFT OVERFLYING CENTEX AND SAN ANTONIO.

WACO TRANSITION: FOR AIRCRAFT INBOUND TO WACO OR GRAY TERMINAL AREA AIRPORTS.

NOTE: DME/DME/IRU OR GPS REQUIRED.

NOTE: RNAV 1.

NOTE: FOR USE BY TURBOJETS ONLY.

NOTE: TURBOJET AIRCRAFT LANDING SAN ANTONIO AND AUSTIN TERMINALS AREAS EXPECT THE JASPA DEPARTURE.

NOTE: PROPS FILE AND EXPECT KEENE OR TRI-GATE DEPARTURE.

NOTE: 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:

NOTE: RWY 31L, TREES BEGINNING 928 FT FROM DER, 724 FT LEFT OF CENTERLINE, UP TO 55 FT AGL/654 FT MSL. TREES 1229 FT FROM DER, 729 FT RIGHT OF CENTERLINE, UP TO 28 FT/637 FT MSL. TRANSMISSION POLES AND TOWERS BEGINNING 3402 FT FROM DER, 1398 FT RIGHT OF CENTERLINE, UP TO 110 FT AGL/730 FT MSL.

NOTE: RWY 31R, BUILDING 732 FT FROM DER, 633 FT LEFT OF CENTERLINE, 34 FT AGL/604 FT MSL.

CONTROLLING OBSTACLES:

LOST COMMUNICATIONS PROCEDURES:

ADDITIONAL FLIGHT DATA:

REFERENCE MAG VAR: KDFW 4E EPOCH YEAR: 2015. **DME/DME ASSESSMENT:** SAT (RNP 2.0)

PILOT NAVIGATION AREA:

7 NM ARC CENTERED ON NELYN (IF), CW

FROM: POINT A (BEARING 138 DEGREES TO NELYN)

TO: POINT B (BEARING 228 DEGREES TO NELYN)

MINIMUM ALTITUDE – 9000

CHART: TOP ALTIUTDE: 10000



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AIRPORTS SERVED:

DALLAS/FORT WORTH INTL

DALLAS-FORT WORTH, TX

COMMUNICATIONS:

ATIS, CLNC DEL, GND CON, TOWER, DEP CON

FIXES AND/OR NAVAIDS:

CHART: JASPA, ARDIA, DARTZ.

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REMARKS:

1. PGO VORTAC IS CLOSEST SUITABLE NAVAID (161.75 NM) SET AT MAGVAR 4E TO USE AS RECOMMENDED NAVAID FOR CF LEGS.
2. A SECONDARY ROC REDUCTION OF 747 FT WAS APPLIED TO THE MOCA CONTROLLING OBSTACLE (2541 MSL TOWER) IN THE ACT VORTAC TO PRIZE SEGMENT.

CHANGES:

ADDED: CHART: TOP ALTITUDE: 10000

REASONS:

ATC REQUEST



DEPARTURE (DATA RECORD)

DP Name		Number		DP Computer Code			Superseded Number		Dated	Effective Date
NELYN		FIVE		NELYN5.NELYN			FOUR		18 SEP 2014	30 APR 2015
FIX/NAVAID	LAT/LONG	C	FO/FB	LEG TYPE	TC	DIST (NM)	ALTITUDE	SPEED	REMARKS	
RW17C (AER)	325456.55N/0970133.49W	N	-	-	-	-				
1120 MSL		-	-	VA	180.27	-			CG 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				
ONKAE	323324.36N/0970043.58W	Y	FB	TF	208.54	3.50	AT/ABOVE 10000			
NELYN	321705.86N/0971109.28W	Y	FB	TF	208.52	18.51				
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	AT/BELOW 240K		
DALBY	323629.23N/0965844.88W	Y	FB	TF	156.56	6.50				
ONKAE	323324.36N/0970043.58W	Y	FB	TF	208.54	3.50	AT/ABOVE 10000			
NELYN	321705.86N/0971109.28W	Y	FB	TF	208.52	18.51				
RW18L (AER)	325456.88N/0970302.65W	N	-	-	-	-				
1120 MSL		-	-	VA	180.25	-			CG 500 FT/NM TO 1120.	
LARRN	324228.17N/0970315.36W	Y	FB	DF	-	-	AT/ABOVE 5000	AT/BELOW 240K		
WETUR	323246.92N/0970616.86W	Y	FB	TF	194.82	10.00	AT/ABOVE 10000			
NELYN	321705.86N/0971109.28W	Y	FB	TF	194.79	16.19				
RW18R (AER)	325456.93N/0970316.71W	N	-	-	-	-				
1120 MSL		-	-	VA	180.25	-			CG 500 FT/NM TO 1120.	
LARRN	324228.17N/0970315.36W	Y	FB	DF	-	-	AT/ABOVE 5000	AT/BELOW 240K		
WETUR	323246.92N/0970616.86W	Y	FB	TF	194.82	10.00	AT/ABOVE 10000			
NELYN	321705.86N/0971109.28W	Y	FB	TF	194.79	16.19				
RW31L (AER)	325324.97N/0970347.79W	N	-	-	-	-				
		-	-	VM	319.06	-				
NELYN	321705.86N/0971109.28W	Y	FB	DF	-	-				

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NELYN		FIVE		NELYN5.NELYN			FOUR		18 SEP 2014	30 APR 2015
FIX/NAVAID	LAT/LONG	C	FO/FB	LEG TYPE	TC	DIST (NM)	ALTITUDE	SPEED	REMARKS	
RW31R (AER)	325341.93N/0970003.04W	N	-	-	-	-				
		-	-	VM	315.28	-				
NELYN	321705.86N/0971109.28W	Y	FB	DF	-	-				
RW35C (AER)	325243.96N/0970134.22W	N	-	-	-	-				
	325601.48N/0970133.13W	-	-	VI	000.27	3.29			CG 500 FT/NM TO 1120.	
MECHL	330113.00N/0965951.00W	Y	FB	CF	015.44	5.38	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				
NELYN	321705.86N/0971109.28W	Y	FB	TF	215.39	34.56				
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	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				
NELYN	321705.86N/0971109.28W	Y	FB	TF	215.39	34.56				
RW36L (AER)	325244.35N/0970317.40W	N	-	-	-	-				
	325601.86N/0970316.37W	-	-	VI	000.25	3.29			CG 500 FT/NM TO 1120.	
GVINE	330043.50N/0970453.56W	Y	FB	CF	343.79	4.88			RECOMMENDED NAVAID: PGO VORTAC	
KMART	330025.19N/0971002.47W	Y	FB	TF	266.00	4.34	AT/ABOVE 5500	AT/BELOW 240K		
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				
NELYN	321705.86N/0971109.28W	Y	FB	TF	170.39	30.06				



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FIX/NAVAID	LAT/LONG	C	FO/FB	LEG TYPE	TC	DIST (NM)	ALTITUDE	SPEED	REMARKS	
RW36R (AER)	325244.30N/0970303.33W	N	-	-	-	-				
	325602.41N/0970302.31W	-	-	VI	000.25	3.30			CG 500 FT/NM TO 1120.	
GVINE	330043.50N/0970453.56W	Y	FB	CF	341.56	4.93			RECOMMENDED NAVAID: PGO VORTAC	
KMART	330025.19N/0971002.47W	Y	FB	TF	266.00	4.34	AT/ABOVE 5500	AT/BELOW 240K		
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				
NELYN	321705.86N/0971109.28W	Y	FB	TF	170.39	30.06				
NELYN	321705.86N/0971109.28W	Y	-	IF	-	-			NELYN5.ACT	
ACT VORTAC	313944.39N/0971608.53W	Y	FB	TF	186.51	37.52				
NELYN	321705.86N/0971109.28W	Y	-	IF	-	-			NELYN5.HOARY	
ACT VORTAC	313944.39N/0971608.53W	Y	FB	TF	186.51	37.52				
PRIZE	311534.28N/0972730.23W	Y	FB	TF	202.00	26.00				
HOARY	303437.88N/0974631.01W	Y	FB	TF	201.90	44.00				
NELYN	321705.86N/0971109.28W	Y	-	IF	-	-			NELYN5.SAT	
ACT VORTAC	313944.39N/0971608.53W	Y	FB	TF	186.51	37.52				
PRIZE	311534.28N/0972730.23W	Y	FB	TF	202.00	26.00				
HOARY	303437.88N/0974631.01W	Y	FB	TF	201.90	44.00				
SAT VORTAC	293838.51N/0982740.73W	Y	FB	TF	212.76	66.29				