

**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DP Name	Number	DP Computer Code	Superseded Number	Dated	Effective Date
KKITY	FOUR	KKITY4.KKITY	THREE	20 AUG 15	31 MAR 2016

**TYPE:** RNAV SID

**DP ROUTE DESCRIPTION:**

**TAKEOFF RWY 13L:** CLIMB HEADING 132.64 TO 1000, THENCE...

**TAKEOFF RWY 13R:** CLIMB HEADING 132.62 TO 1000, THENCE...

...DIRECT TO CROSS DRSET AT OR ABOVE 4000, THEN ON TRACK 132.66 TO CROSS HAYZZ AT OR ABOVE 6000, THEN ON TRACK 201.93 TO CURLO, THEN ON TRACK 267.35 TO KKITY, THEN ON (TRANSITION). MAINTAIN 8000. EXPECT FILED ALTITUDE 10 MINUTES AFTER DEPARTURE.

**TAKEOFF RWY 31L:** CLIMB HEADING 312.63 TO 2700, THEN HEADING 013.00 OR AS ASSIGNED BY ATC, MAINTAIN 3000. THENCE...

**TAKEOFF RWY 31R:** CLIMB HEADING 312.65 TO 2700, THEN HEADING 013.00 OR AS ASSIGNED BY ATC, MAINTAIN 3000. THENCE...

...EXPECT RADAR VECTORS TO CROSS HAYZZ AT OR ABOVE 6000, THEN ON TRACK 201.93 TO CURLO, THEN ON TRACK 267.35 TO KKITY, THEN ON (TRANSITION). EXPECT FILED ALTITUDE 10 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
ALIAN	KKITY4.ALIAN	KKITY	RBBIT	TRACK 277.36	20.73	10000	2500	
			FUMED	TRACK 267.84	24.91	10000	3100	
			ALIAN	TRACK 267.54	50.51	10000	3100	
BRHMA	KKITY4.BRHMA	KKITY	ROOOO	TRACK 292.53	22.57	10000	2800	
			RUFFS	TRACK 282.56	25.95	10000	2800	
			KATZZ	TRACK 282.33	71.35	10000	3000	
			BRHMA	TRACK 282.17	75.24	10000	4000	
CIKAN	KKITY4.CIKAN	KKITY	RBBIT	TRACK 277.36	20.73	10000	2500	
			LYNDE	TRACK 261.81	24.98	10000	3100	
			WSTEX	TRACK 261.56	56.37	10000	3100	
			CIKAN	TRACK 263.02	50.13	10000	4100	
DOSXX	KKITY4.DOSXX	KKITY	RBBIT	TRACK 277.36	20.73	10000	2500	
			LYNDE	TRACK 261.81	24.98	10000	3100	
			WSTEX	TRACK 261.56	56.37	10000	3100	
			DOSXX	TRACK 251.04	32.63	10000	3600	
HULZE	KKITY4.HULZE	KKITY	TYGGR	TRACK 305.91	26.10	10000	2500	

QUALITY  
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DP Name			Number	DP Computer Code	Superseded Number		Dated	Effective Date
KKITY			FOUR	KKITY4.KKITY	THREE		20 AUG 15	31 MAR 2016
			DBLSS	TRACK 288.31	26.92	10000	2800	
			HRPER	TRACK 288.18	69.24	10000	2900	
			HULZE	TRACK 285.46	37.21	10000	3200	
HUDAD	KKITY4.HUDAD	KKITY	PGLET	TRACK 314.84	30.22	10000	2800	
			MUTEE	TRACK 291.05	27.40	10000	3600	
			HUDAD	TRACK 290.86	65.86	10000	3000	
WSTEX	KKITY4.WSTEX	KKITY	RBBIT	TRACK 277.36	20.73	10000	2500	
			LYNDE	TRACK 261.81	24.98	10000	3100	
			WSTEX	TRACK 261.56	56.37	10000	3100	

**PROCEDURAL DATA NOTES/TAKEOFF MINIMUMS:**

**NOTE:** RADAR REQUIRED.

**NOTE:** DME/DME/IRU OR GPS REQUIRED.

**NOTE:** RNAV 1.

**NOTE:** FOR USE BY TURBOJET AIRCRAFT ONLY.

**NOTE:** RNAV-CAPABLE PROPS: FILE AND EXPECT THE SWABR RNAV SID.

**NOTE:** ALIAN TRANSITION ATC ASSIGNED ONLY.

**NOTE:** BRHMA TRANSITION FOR AIRCRAFT INBOUND TO LUBBOCK TERMINAL AREA.

**NOTE:** USE WORTH DEPARTURE DURING THE PERIOD 2100-0600 LOCAL TIME IN LIEU OF THE KKITY DEPARTURE.

**NOTE:** WSTEX TRANSITION: FOR AIRCRAFT INBOUND TO ABILENE AND SAN ANGELO TERMINAL AREA AIRPORTS ONLY.

**TAKEOFF MINIMUMS:**

**RWY 13L, 13R,** STANDARD WITH MINIMUM CLIMB OF 500 FT PER NM TO 1200. **RWY 31L, 31R,** STANDARD WITH MINIMUM CLIMB OF 500 FT PER NM TO 1000.

**TAKEOFF OBSTACLES NOTES:**

**NOTE: RWY 13L,** TREES, POLES AND ELECTRICAL SYSTEMS BEGINNING 844 FT FROM DER, 515 FT LEFT OF CENTERLINE, UP TO 45 FT AGL/541 FT MSL. CRANE 5270 FT FROM DER, 568 FT LEFT OF CENTERLINE, 130 FT AGL/630 FT MSL.

**NOTE: RWY 13R,** POLES AND FENCES BEGINNING 693 FT FROM DER, 601 FT RIGHT OF CENTERLINE, UP TO 29 FT AGL/501 FT MSL. SIGN 779 FT FROM DER, 669 FT LEFT OF CENTERLINE, 30 FT AGL/503 FT MSL. TREES BEGINNING 1122 FT FROM DER, 670 FT LEFT AND RIGHT OF CENTERLINE, UP TO 40 FT AGL/514 FT MSL. SIGN 1424 FT FROM DER, 763 FT LEFT OF CENTERLINE, 45 FT AGL/516 FT MSL. ROD ON STAKE 2234 FT FROM DER, 979 FT LEFT OF CENTERLINE, 65 FT AGL/537 FT MSL.

**NOTE: RWY 31L,** TREES BEGINNING 327 FT FROM DER, 374 FT RIGHT OF CENTERLINE, UP TO 60 FT AGL/501 FT MSL.

**NOTE: RWY 31R,** POLE 38 FT FROM DER, 501 FT LEFT OF CENTERLINE, 27 FT AGL/487 FT MSL. TREES BEGINNING 366 FT FROM DER, 552 FT RIGHT OF CENTERLINE, UP TO 65 FT AGL/530 FT MSL. POLE 1531 FT FROM DER, 719 FT RIGHT OF CENTERLINE, UP TO 61 FT AGL/521 FT MSL.

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KKITY	FOUR	KKITY4.KKITY	THREE	20 AUG 15	31 MAR 2016

**CONTROLLING OBSTACLES:**

RWY 13L: 1368 FT MSL ANTENNA 324648.00N/0964814.00W.  
RWY 13R: 1368 FT MSL ANTENNA 324648.00N/0964814.00W.

**LOST COMMUNICATIONS PROCEDURES:****ADDITIONAL FLIGHT DATA:**

REFERENCE MAG VAR: KDAL 3E EPOCH YR: 2020.  
DME/DME ASSESSMENT: SAT (RNP 2.0)

**CHART:** TOP ALTITUDE: RWY 13L, 13R: 8000; RWY 31L, 31R: 3000.

**CHART:** MEA/MOCA FROM HAYZZ TO CURLO, 6000/2100. MEA/MOCA FROM CURLO TO KKITY, 10000/3600.

**PILOT NAVIGATION AREA:**

7NM ARC CENTERED ON HAYZZ (IF), CW  
FROM: POINT A (BEARING 157 DEGREES TO HAYZZ)  
TO: POINT B (BEARING 247 DEGREES TO HAYZZ)  
MINIMUM ALTITUDE – 6000

**AIRPORTS SERVED:**

DALLAS LOVE FIELD	DALLAS, TX
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**COMMUNICATIONS:**

ATIS, CLNC DEL, GND CON, LOVE TWR, REGIONAL DEP CON

**FIXES AND/OR NAVAIDS:**

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**REMARKS:**

LETTER OF APPROVAL ON FILE FOR AIRPORTS/RUNWAYS OUTSIDE THE PNA. TYGGR TO DBLSS CONTROLLING OBSTACLE, 2547' TOWER (48-027495), 6400.68' IN TO SECONDARY. ADJUSTED ALTITUDE 1783'.

**CHANGES:**

1. CHANGED ALL HEADINGS, TRACKS, AND BEARINGS +3 DEGREES.
2. IN ADDITIONAL FLIGHT DATA, CHANGED REFERENCE MAGVAR FROM KDAL 6E EPOCH YR: 1990 TO KDAL 3E EPOCH YR: 2020.

**REASONS:**

- 1/2. MAGVAR UPDATED FROM 6E/1990 TO 3E/2020 PER FTP CHECKLIST.

QUALITY  
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## DEPARTURE (DATA RECORD)

DP Name		Number	DP Computer Code				Superseded Number	Dated	Effective Date
KKITY		FOUR	KKITY4.KKITY				THREE	20 AUG 15	31 MAR 2016
FIX/NAVAID	LAT/LONG	C	FO/FB	LEG TYPE	TC	DIST (NM)	ALTITUDE	SPEED	REMARKS
RW13L (AER)*	325123.36N/0965121.20W*	N	-	-	-	-			*DISPL THLD (400 FT)
1000 MSL		-	-	VA	135.64	-			CG 500 FT/NM TO 1200
DRSET	324536.47N/0964505.03W	Y	FB	DF	-	-	AT/ABOVE 4000		
HAYZZ	324243.89N/0964145.62W	Y	FB	TF	135.66	4.01	AT/ABOVE 6000		
RW13R (AER)*	325101.28N/0965144.41W*	N	-	-	-	-			*DISPL THLD (490 FT)
1000 MSL		-	-	VA	135.62	-			CG 500 FT/NM TO 1200
DRSET	324536.47N/0964505.03W	Y	FB	DF	-	-	AT/ABOVE 4000		
HAYZZ	324243.89N/0964145.62W	Y	FB	TF	135.66	4.01	AT/ABOVE 6000		
RW31L (AER)	325002.51N/0965036.30W	N	-	-	-	-			
2700 MSL		-	-	VA	315.63	-			CG 500 FT/NM TO 1000
		-	-	VM	016.00	-			
HAYZZ	324243.89N/0964145.62W	Y	FB	DF	-	-	AT/ABOVE 6000		
RW31R (AER)	325031.35N/0965020.95W	N	-	-	-	-			
2700 MSL		-	-	VA	315.65	-			CG 500 FT/NM TO 1000
		-	-	VM	016.00	-			
HAYZZ	324243.89N/0964145.62W	Y	FB	DF			AT/ABOVE 6000		
HAYZZ	324243.89N/0964145.62W	Y	-	IF	-	-	AT/ABOVE 6000		
CURLO	323653.18N/0964458.25W	Y	FB	TF	204.93	6.43			
KKITY	323659.05N/0971952.78W	Y	FB	TF	270.35	29.49			
KKITY	323659.05N/0971952.78W	Y	-	IF	-	-			KKITY4.ALIAN
RBBIT	324040.95N/0974402.40W	Y	FB	TF	280.36	20.73			
FUMED	324059.54N/0981332.78W	Y	FB	TF	270.84	24.91			
ALIAN	324114.02N/0991323.24W	Y	FB	TF	270.54	50.51			
KKITY	323659.05N/0971952.78W	Y	-	IF	-	-			KKITY4.BRHMA
ROOOO	324641.66N/0974402.22W	Y	FB	TF	295.53	22.57			
RUFFS	325336.50N/0981343.40W	Y	FB	TF	285.56	25.95			

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KKITY		FOUR	KKITY4.KKITY				THREE	20 AUG 15	31 MAR 2016
FIX/NAVAID	LAT/LONG	C	FO/FB	LEG TYPE	TC	DIST (NM)	ALTITUDE	SPEED	REMARKS
KATZZ	331203.68N/0993543.82W	Y	FB	TF	285.33	71.35			
BRHMA	333117.03N/1010235.41W	Y	FB	TF	285.17	75.24			
KKITY	323659.05N/0971952.78W	Y	-	IF	-	-			KKITY4.CIKAN
RBBIT	324040.95N/0974402.40W	Y	FB	TF	280.36	20.73			
LYNDE	323821.57N/0981329.77W	Y	FB	TF	264.81	24.98			
WSTEX	323242.98N/0991953.04W	Y	FB	TF	264.56	56.37			
CIKAN	322900.00N/1001900.00W	Y	FB	TF	266.02	50.13			
KKITY	323659.05N/0971952.78W	Y	-	IF	-	-			KKITY4.DOSXX
RBBIT	324040.95N/0974402.40W	Y	FB	TF	280.36	20.73			
LYNDE	323821.57N/0981329.77W	Y	FB	TF	264.81	24.98			
WSTEX	323242.98N/0991953.04W	Y	FB	TF	264.56	56.37			
DOSXX	322338.17N/0995655.90W	Y	FB	TF	254.04	32.63			
KKITY	323659.05N/0971952.78W	Y	-	IF	-	-			KKITY4.HULZE
TYGGR	325322.14N/0974359.79W	Y	FB	TF	308.91	26.10			
DBLSS	330306.71N/0981350.16W	Y	FB	TF	291.31	26.92			
HRPER	332746.50N/0993100.93W	Y	FB	TF	291.18	69.24			
HULZE	333927.59N/1001318.11W	Y	FB	TF	288.46	37.21			
KKITY	323659.05N/0971952.78W	Y	-	IF	-	-			KKITY4.HUDAD
PGLET	325923.62N/0974359.79W	Y	FB	TF	317.84	30.22			
MUTEE	331031.45N/0981348.54W	Y	FB	TF	294.05	27.40			
HUDAD	333652.04N/0992555.62W	Y	FB	TF	293.86	65.86			
KKITY	323659.05N/0971952.78W	Y	-	IF	-	-			KKITY4.WSTEX
RBBIT	324040.95N/0974402.40W	Y	FB	TF	280.36	20.73			
LYNDE	323821.57N/0981329.77W	Y	FB	TF	264.81	24.98			
WSTEX	323242.98N/0991953.04W	Y	FB	TF	264.56	56.37			

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