Flight Procedure Tracking Form	Action: FLIGHT CHECK	Task Type: SID	Date Open: 07/05/2012	Task #: 2012070524659701002	Request #: 20120705246597
Procedure: SID LOWGN (RNAV) FIVE DALLAS-FORT WORTH TX KDFW		Airport ID: KDFW	Airport: DALLAS/FORT WORTH INTL		Reimbursable #:
City: DALLAS-FORT WORTH	ST: TX	GPS #:		Estimated Chart Date: 09/20/2012	FICO #:
Fac ID: DFW	Fac. Type: Proc-D	Specialist: ANKUR VERMA			

P3

Procedure Review

	Rec'd	Rel'd	Full Name	Comments
Lead:	07/05/2012	07/11/2012	JILL OLSON	DME / DME
QA:	07/11/2012	07/11/2012	STEVEN SZUKALA	
Liaison:	07/11/2012		K. Spurlin	P3; DME/DME;

Procedure Comments:

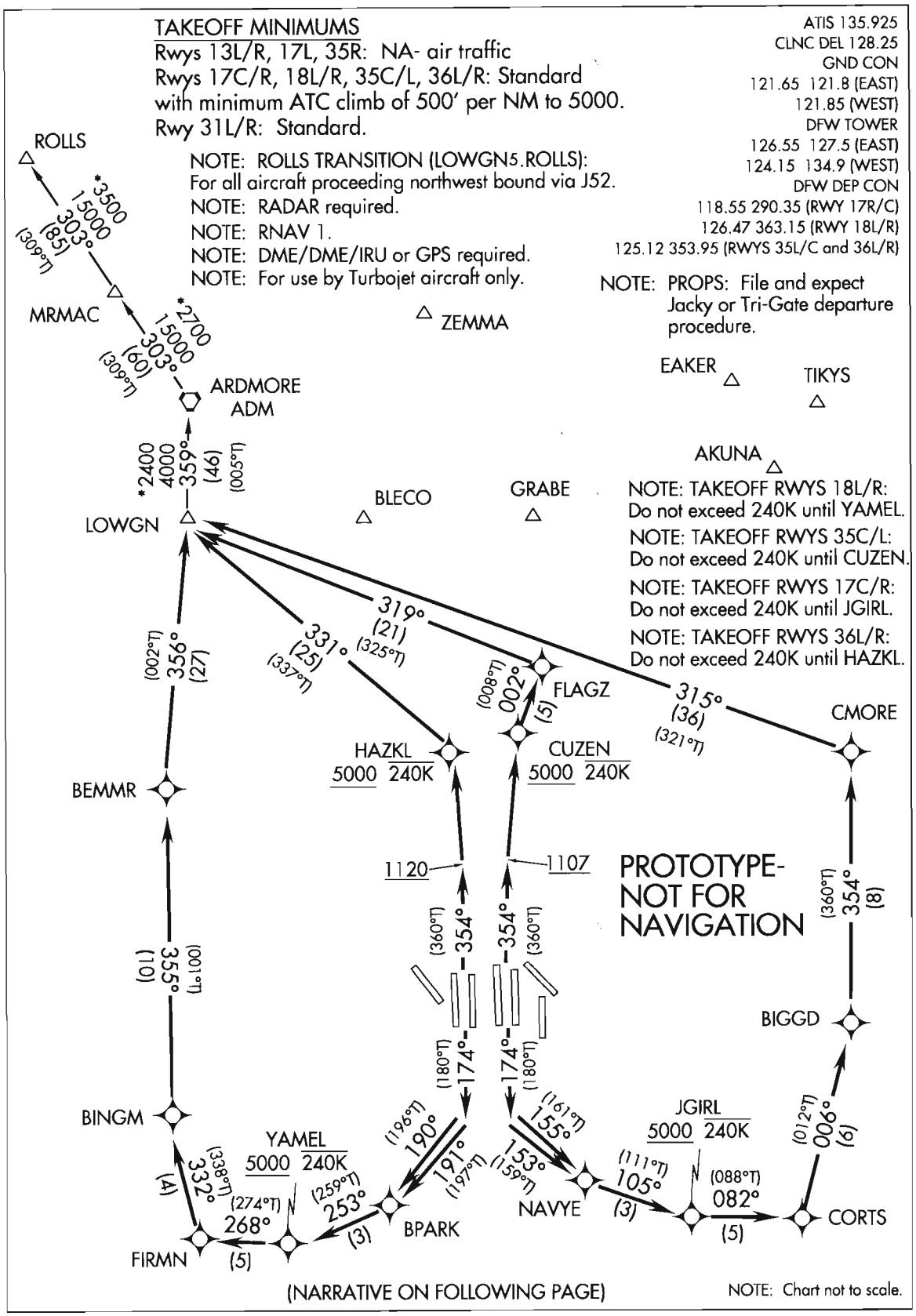
Remark Type: INFORMATION

PKG 1 of 3

DALLAS-FORT WORTH, TX; DALLAS/FORT WORTH INTL (KDFW); ENROUTE-NO; FC BY 8/7/12; PUB 9/20/12
ATTACHED FORMS: 8260-15B, 8260-15C
NOTE TO QA AND FC: THE ONLY CHANGE MADE ON THIS PROCEDURE IS A COURSE CHANGE ON RWY 18R FROM THE VI POINT TO BPARK FROM 188.44 TO 190.00. 190 WAS ORIGINALLY FC SAT AND PUBLISHED ON LOWGN3 AND THE COURSE WAS CHANGED BY MISTAKE ON LOWGN4. THIS AMENDMENT (LOWGN5) IS TO CORRECT THE COURSE BACK TO 190. THE INTENT IS TO HAVE THIS PROCEDURE TABLE-TOPPED TO CORRECT THE SINGLE COURSE, THUS THERE WILL BE NO 8260-2'S, FC MAPS, OR FIGS INCLUDED IN THE PACKAGE (PER LARRY STROUT AND JILL OLSON).
CONTACT: JILL OLSON/STEVE BARNETT, AJV-353 LEADS, 405.954.0414/9307.

LOWGN FIVE DEPARTURE (RNAV)

DALLAS-FORT WORTH INTL (DFW)
DALLAS-FORT WORTH, TEXAS



DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAY 17C: Climb heading 174° to intercept course 155° to NAVYE, then on track 105° to JGIRL, cross JGIRL at or above 5000, then on depicted route to LOWGN. Thence . . . .
TAKEOFF RUNWAY 17R: Climb heading 174° to intercept course 153° to NAVYE, then on track 105° to JGIRL, cross JGIRL at or above 5000, then on depicted route to LOWGN. Thence . . . .
TAKEOFF RUNWAY 18L: Climb heading 174° to intercept course 191° to BPARK, then on track 253° to YAMEL, cross YAMEL at or above 5000, then on depicted route to LOWGN. Thence . . . .
TAKEOFF RUNWAY 18R: Climb heading 174° to intercept course 190° to BPARK, then on track 253° to YAMEL, cross YAMEL at or above 5000, then on depicted route to LOWGN. Thence . . . .
TAKEOFF RUNWYS 31L/R: Climb on assigned heading for radar vectors to LOWGN, maintain 5000. Thence....
TAKEOFF RUNWAY 35C: Climb heading 354° to 1107, then direct CUZEN, cross CUZEN at or above 5000, then on depicted route to LOWGN. Thence . . . .
TAKEOFF RUNWAY 35L: Climb heading 354° to 1107, then direct CUZEN, cross CUZEN at or above 5000, then on depicted route to LOWGN. Thence . . . .
TAKEOFF RUNWAY 36L: Climb heading 354° to 1120, then direct HAZKL, cross HAZKL at or above 5000, then on depicted route to LOWGN. Thence . . . .
TAKEOFF RUNWAY 36R: Climb heading 354° to 1120, then direct HAZKL, cross HAZKL at or above 5000, then on depicted route to LOWGN. Thence . . . .

. . . . (transition). Maintain 10000, expect filed altitude ten minutes after departure.

ARDMORE TRANSITION (LOWGN5.ADM):
ROLLS TRANSITION (LOWGN5.ROLLS): For all aircraft proceeding northwest bound via J52.

PROTOTYPE-NOT FOR NAVIGATION

ADM:	3412.695N/ 09710.094W
AKUNA:	3327.041N/ 09649.388W
BEMMR:	3300.103N/ 09716.223W
BIGGD:	3251.527N/ 09648.552W
BINGM:	3250.454N/ 09716.457W
BLECO:	3327.045N/ 09706.543W
BPARK:	3246.529N/ 09704.859W
CMORE:	3259.278N/ 09648.542W
CORTS:	3246.128N/ 09649.893W
CUZEN:	3304.659N/ 09701.502W
EAKER:	3419.045N/ 09637.192W
FIRMN:	3246.296N/ 09714.480W
FLAGZ:	3309.765N/ 09700.624W
GRABE:	3327.088N/ 09657.692W
HAZKL:	3304.251N/ 09703.193W
JGIRL:	3245.906N/ 09656.361W
LOWGN:	3327.045N/ 09714.988W
MRMAC:	3450.480N/ 09806.572W
NAVYE:	3246.963N/ 09659.701W
ROLLS:	3543.365N/ 09928.242W
TIKYS:	3403.999N/ 09625.559W
YAMEL:	3245.928N/ 09708.468W
ZEMMA:	3423.030N/ 09659.400W
RW17C:	3254.942N/ 09701.558W
RW17R:	3254.943N/ 09701.793W
RW18L:	3254.948N/ 09703.044W
RW18R:	3254.949N/ 09703.279W
RW31L:	3253.416N/ 09703.797W
RW31R:	3253.699N/ 09700.051W
RW35C:	3252.733N/ 09701.570W
RW35L:	3252.734N/ 09701.805W
RW36L:	3252.739N/ 09703.290W
RW36R:	3252.738N/ 09703.056W

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 statue miles or feet RVR unless otherwise indicated. Graphic depictions attached.

DP Name	Number	DP Computer Code	Superseded Number	Dated	Effective Date
LOWGN	FIVE	LOWGN5.LOWGN	FOUR	04/05/2012	

TYPE: RNAV SID

DP ROUTE DESCRIPTION:

TAKEOFF RWY 17C: CLIMB HEADING 174.27 TO INTERCEPT COURSE 155.17 TO NAVYE, THEN ON TRACK 104.51 TO JGIRL, CROSS JGIRL AT OR ABOVE 5000, THEN ON DEPICTED ROUTE TO LOWGN. THENCE...
TAKEOFF RWY 17R: CLIMB HEADING 174.26 TO INTERCEPT COURSE 153.02 TO NAVYE, THEN ON TRACK 104.51 TO JGIRL, CROSS JGIRL AT OR ABOVE 5000, THEN ON DEPICTED ROUTE TO LOWGN. THENCE...
TAKEOFF RWY 18L: CLIMB HEADING 174.25 TO INTERCEPT COURSE 190.53 TO BPARK, THEN ON TRACK 252.87 TO YAMEL, CROSS YAMEL AT OR ABOVE 5000, THEN ON DEPICTED ROUTE TO LOWGN. THENCE...
TAKEOFF RWY 18R: CLIMB HEADING 174.25 TO INTERCEPT COURSE 190.00 TO BPARK, THEN ON TRACK 252.87 TO YAMEL, CROSS YAMEL AT OR ABOVE 5000, THEN ON DEPICTED ROUTE TO LOWGN. THENCE...
TAKEOFF RWY 31L, 31R: CLIMB ON ASSIGNED HEADING FOR RADAR VECTORS TO LOWGN, MAINTAIN 5000. THENCE...
TAKEOFF RWY 35C: CLIMB HEADING 354.27 TO 1120, THEN DIRECT CUZEN, CROSS CUZEN AT OR ABOVE 5000, THEN ON DEPICTED ROUTE TO LOWGN. THENCE...
TAKEOFF RWY 35L: CLIMB HEADING 354.26 TO 1120, THEN DIRECT CUZEN, CROSS CUZEN AT OR ABOVE 5000, THEN ON DEPICTED ROUTE TO LOWGN. THENCE...
TAKEOFF RWY 36L: CLIMB HEADING 354.25 TO 1120, THEN DIRECT HAZKL, CROSS HAZKL AT OR ABOVE 5000, THEN ON DEPICTED ROUTE TO LOWGN. THENCE...
TAKEOFF RWY 36R: CLIMB HEADING 354.25 TO 1120, THEN DIRECT HAZKL, CROSS HAZKL AT OR ABOVE 5000, THEN ON DEPICTED ROUTE TO LOWGN. 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
ARDMORE	LOWGN5.ADM	LOWGN	ADM VORTAC	TRACK 359.09	45.75	4000	2400	
ROLLS	LOWGN5.ROLLS	LOWGN	ADM VORTAC	TRACK 359.09	45.75	4000	2400	
		ADM VORTAC	MRMAC	TRACK 303.22	60.00	15000	2700	
		MRMAC	ROLLS	TRACK 302.69	85.20	15000	4500	

QUALITY CHECKED

GRAPHIC DEPARTURE PROCEDURE (DP)

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DP Name	Number	DP Computer Code	Superseded Number	Dated	Effective Date
LOWGN	FIVE	LOWGN5.LOWGN	FOUR	04/05/2012	

PROCEDURAL DATA NOTES/TAKEOFF MINIMUMS:

NOTE: TAKEOFF RWY 18L, 18R: DO NOT EXCEED 240 KIAS UNTIL YAMEL.
NOTE: TAKEOFF RWY 35C, 35L: DO NOT EXCEED 240 KIAS UNTIL CUZEN.
NOTE: TAKEOFF RWY 17C, 17R: DO NOT EXCEED 240 KIAS UNTIL JGIRL.
NOTE: TAKEOFF RWY 36L, 36R: DO NOT EXCEED 240 KIAS UNTIL HAZKL.
NOTE: FOR USE BY TURBOJET AIRCRAFT ONLY.
NOTE: PROPS: FILE AND EXPECT JACKY OR TRI-GATE DEPARTURE.
NOTE: RADAR REQUIRED FOR NON-GPS EQUIPPED AIRCRAFT, AND ALL AIRCRAFT DEPARTING RUNWAYS 31L/R.
NOTE: DME/DME/IRU OR GPS REQUIRED.
NOTE: RNAV 1.
NOTE: ROLLS TRANSITION (LOWGN5.ROLLS): FOR ALL AIRCRAFT PROCEEDING NORTHWESTBOUND VIA J52.

TAKEOFF MINIMUMS:
RWY 13L, 13R, 17L, 35R NA - AIR TRAFFIC.
RWY 17C, 17R, 18L, 18R, 35C, 35L, 36L, 36R, STANDARD WITH MINIMUM CLIMB OF 500 FT PER NM TO 5000.
RWY 31L, 31R STANDARD.

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. TREE 1229 FT FROM DER, 729 FT RIGHT OF CENTERLINE, 28 FT AGL/637 FT MSL. TRMSN POLE 3402 FT FROM DER, 1398 FT RIGHT OF CENTERLINE, 89 FT AGL/708 FT MSL.

NOTE: RWY 31R, BLDG 733 FT FROM DER, 632 FT LEFT OF CENTERLINE, 34 FT AGL/604 FT MSL.

CONTROLLING OBSTACLES:

LOST COMMUNICATIONS PROCEDURES:

ADDITIONAL FLIGHT DATA:

REFERENCE MAG VAR: KDFW 6E EPOCH YR: 2000
DME/DME ASSESSMENT: SAT (RNP 2.0)

PILOT NAVIGATION AREA:
7 NM ARC CENTERED ON LOWGN (IF), CW
FROM: POINT A (BEARING 315 DEGREES TO LOWGN)
TO: POINT B (BEARING 044 DEGREES TO LOWGN)
MINIMUM ALTITUDE – 4000

QUALITY 1 CHECKED

U.S. DEPARTMENT of TRANSPORTATION – FEDERAL AVIATION ADMINISTRATION

GRAPHIC DEPARTURE PROCEDURE (DP)

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DP Name	Number	DP Computer Code	Superseded Number	Dated	Effective Date
LOWGN	FIVE	LOWGN5.LOWGN	FOUR	04/05/2012	

AIRPORTS SERVED:

DALLAS/FORT WORTH INTL — DALLAS-FORT WORTH, TX

COMMUNICATIONS:

CLNC DEL, ATIS, GND CON, DFW ATCT, DFW DEP CON

FIXES AND/OR NAVAIDS:

AKUNA, BLECO, EAKER, GRABE, TIKYS, ZEMMA.

REMARKS:

QUALITY CHECKED 1

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 statue miles or feet RVR unless otherwise indicated. Graphic depictions attached.

DP Name	Number	DP Computer Code	Superseded Number	Dated	Effective Date
LOWGN	FIVE	LOWGN5.LOWGN	FOUR	04/05/2012	

FLIGHT INSPECTED BY:

REQUIRED EFFECTIVE DATE:

ROUTINE

DEVELOPED BY:

JILL OLSON (ANKUR VERMA) AJV-353 7/9/2012

APPROVED BY:

LARRY STROUT AJV-353

COORDINATED WITH:

ATA, ALPA, APA, AOPA, NBAA, ZFW, DFW TRACON

CHANGES:

1. DP ROUTE DESCRIPTION RWY 18R CHANGED INTERCEPT COURSE FROM 188.44 TO 190.00.
2. CHANGED ALL REFERENCE FROM LOWGN4 TO LOWGN5.

REASONS:

1. PUBLISHED COURSE DID NOT MATCH TARGETS.
2. IAW AMENDING THE PROCEDURE AND CHANGING COMPUTER CODE.

QUALITY CHECKED

DEPARTURE (DATA RECORD)

DP Name	Number	DP Computer Code	Superseded Number	Dated	Effective Date
LOWGN	FIVE	LOWGN5.LOWGN	FOUR	04/05/2012	

FIX/NAVAID	LAT/LONG	C	FO/FB	LEG TYPE	TC	DIST (NM)	ALTITUDE	SPEED	REMARKS
RW17C (AER)	325456.55N/0970133.49W	N	-	-	-	-			VI/CF PERMITTED
-	325136.63N/0970134.60W	-	-	VI	180.27	3.33			CG 500 FT/NM TO 5000.
NAVYE	324657.75N/0965942.05W	Y	FB	CF	161.17	4.90			RECOMMENDED NAVAID: TTT VOR/DME
JGIRL	324554.36N/0965621.63W	Y	FB	TF	110.51	3.01	AT/ABOVE 5000	AT/BELOW 240K	
CORTS	324607.65N/0964953.59W	Y	FB	TF	087.65	5.46			
BIGGD	325131.59N/0964833.10W	Y	FB	TF	011.84	5.51			
CMORE	325916.66N/0964832.49W	Y	FB	TF	000.06	7.74			
LOWGN	332702.70N/0971459.29W	Y	FB	TF	321.44	35.50			
RW17R (AER)	325456.60N/0970147.58W	N	-	-	-	-			VI/CF PERMITTED
-	325136.69N/0970148.65W	-	-	VI	180.26	3.33			CG 500 FT/NM TO 5000.
NAVYE	324657.75N/0965942.05W	Y	FB	CF	159.02	4.97			RECOMMENDED NAVAID: TTT VOR/DME
JGIRL	324554.36N/0965621.63W	Y	FB	TF	110.51	3.01	AT/ABOVE 5000	AT/BELOW 240K	
CORTS	324607.65N/0964953.59W	Y	FB	TF	087.65	5.46			
BIGGD	325131.59N/0964833.10W	Y	FB	TF	011.84	5.51			
CMORE	325916.66N/0964832.49W	Y	FB	TF	000.06	7.74			
LOWGN	332702.70N/0971459.29W	Y	FB	TF	321.44	35.50			
RW18L (AER)	325456.88N/0970302.65W	N	-	-	-	-			VI/CF PERMITTED
-	325138.77N/0970303.67W	-	-	VI	180.25	3.30			CG 500 FT/NM TO 5000.
BPARK	324631.76N/0970451.51W	Y	FB	CF	196.53	5.33			RECOMMENDED NAVAID: TTT VOR/DME
YAMEL	324555.70N/0970828.05W	Y	FB	TF	258.87	3.10	AT/ABOVE 5000	AT/BELOW 240K	
FIRMN	324617.77N/0971428.77W	Y	FB	TF	274.17	5.08			
BINGM	325027.25N/0971627.44W	Y	FB	TF	338.12	4.47			
BEMMR	330006.19N/0971613.39W	Y	FB	TF	001.17	9.63			
LOWGN	332702.70N/0971459.29W	Y	FB	TF	002.20	26.91			

QUALITY 1 CHECKED

DEPARTURE (DATA RECORD)

DP Name	Number	DP Computer Code	Superseded Number	Dated	Effective Date
LOWGN	FIVE	LOWGN5.LOWGN	FOUR	04/05/2012	

FIX/NAVAID	LAT/LONG	C	FO/FB	LEG TYPE	TC	DIST (NM)	ALTITUDE	SPEED	REMARKS
RW18R (AER)	325456.93N/0970316.71W	N	-	-	-	-			VI/CF PERMITTED
-	325107.56N/0970317.90W	-	-	VI	180.25	3.82			CG 500 FT/NM TO 5000.
BPARK	324631.76N/0970451.51W	Y	FB	CF	196.00	4.77			RECOMMENDED NAVAID: TTT VOR/DME
YAMEL	324555.70N/0970828.05W	Y	FB	TF	258.87	3.10	AT/ABOVE 5000	AT/BELOW 240K	
FIRMN	324617.77N/0971428.77W	Y	FB	TF	274.17	5.08			
BINGM	325027.25N/0971627.44W	Y	FB	TF	338.12	4.47			
BEMMR	330006.19N/0971613.39W	Y	FB	TF	001.17	9.63			
LOWGN	332702.70N/0971459.29W	Y	FB	TF	002.20	26.91			
RW31L (AER)	325324.97N/0970347.79W	N	-	-	-	-			
		-	-	VM	319.06	-			
LOWGN	332702.70N/0971459.29W	Y	FB	DF	-	-			
RW31R (AER)	325341.93N/0970003.04W	N	-	-	-	-			
		-	-	VM	315.28	-			
LOWGN	332702.70N/0971459.29W	Y	FB	DF	-	-			
RW35C (AER)	325243.96N/0970134.22W	N	-	-	-	-			
1120 MSL	-	-	-	VA	000.27	-			CG 500 FT/NM TO 5000.
CUZEN	330439.55N/0970130.12W	Y	FB	DF	-	-	AT/ABOVE 5000	AT/BELOW 240K	
FLAGZ	330945.88N/0970037.41W	Y	FB	TF	008.23	5.15			
LOWGN	332702.70N/0971459.29W	Y	FB	TF	325.15	21.03			
RW35L (AER)	325244.02N/0970148.29W	N	-	-	-	-			
1120 MSL	-	-	-	VA	000.26	-			CG 500 FT/NM TO 5000.
CUZEN	330439.55N/0970130.12W	Y	FB	DF	-	-	AT/ABOVE 5000	AT/BELOW 240K	
FLAGZ	330945.88N/0970037.41W	Y	FB	TF	008.23	5.15			
LOWGN	332702.70N/0971459.29W	Y	FB	TF	325.15	21.03			

QUALITY 1 CHECKED

DEPARTURE (DATA RECORD)

DP Name	Number	DP Computer Code	Superseded Number	Dated	Effective Date
LOWGN	FIVE	LOWGN5.LOWGN	FOUR	04/05/2012	

FIX/NAVAID	LAT/LONG	C	FO/FB	LEG TYPE	TC	DIST (NM)	ALTITUDE	SPEED	REMARKS
RW36L (AER)	325244.35N/0970317.40W	N	-	-	-	-			
1120 MSL	-	-	-	VA	000.25	-			CG 500 FT/NM TO 5000.
HAZKL	330415.04N/0970311.58W	Y	FB	DF	-	-	AT/ABOVE 5000	AT/BELOW 240K	
LOWGN	332702.70N/0971459.29W	Y	FB	TF	336.56	24.81			
RW36R (AER)	325244.30N/0970303.33W	N	-	-	-	-			
1120 MSL	-	-	-	VA	000.25	-			CG 500 FT/NM TO 5000.
HAZKL	330415.04N/0970311.58W	Y	FB	DF	-	-	AT/ABOVE 5000	AT/BELOW 240K	
LOWGN	332702.70N/0971459.29W	Y	FB	TF	336.56	24.81			
LOWGN	332702.70N/0971459.29W	Y	-	IF	-	-			LOWGN5.ADM
ADM VORTAC	341241.71N/0971005.62W	Y	FB	TF	005.09	45.75			
LOWGN	332702.70N/0971459.29W	Y	-	IF	-	-			LOWGN5.ROLLS
ADM VORTAC	341241.71N/0971005.62W	Y	FB	TF	005.09	45.75			
MRMAC	345028.82N/0980634.32W	Y	FB	TF	309.22	60.00			
ROLLS	354321.88N/0992814.51W	Y	FB	TF	308.69	85.20			

QUALITY 1 CHECKED

DEPARTURE (DATA RECORD)

DP Name	Number	DP Computer Code	Superseded Number	Dated	Effective Date
LOWGN RNAV	FIVE	LOWGN5.LOWGN	FOUR	04/05/2012	

ARINC PACKET - 424-18 - SID

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                1         2         3         4         5         6         7         8         9         0         1         2         3
NAVAID  123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAD        ADM   K4011670VTHW N34124171W097100562    N34124171W097100562E0060009372     NARARDMORE
        SUSAD        TTT   K4011310VDHW N32520898W097022581    N32520898W097022581E0060005402     NARMAVERICK

                1         2         3         4         5         6         7         8         9         0         1         2         3
WP      123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAEAENRT   BEMMR K40    W     N33000619W097161339                    E0041     NAR          BEMMR
        SUSAEAENRT   BIGGD K40    W     N32513159W096483310                    E0039     NAR          BIGGD
        SUSAEAENRT   BINGM K40    W     N32502725W097162744                    E0041     NAR          BINGM
        SUSAEAENRT   BPARK K40    W     N32463176W097045151                    E0040     NAR          BPARK
        SUSAEAENRT   CMORE K40    W     N32591666W096483249                    E0039     NAR          CMORE
        SUSAEAENRT   CORTS K40    W     N32460765W096495359                    E0039     NAR          CORTS
        SUSAEAENRT   CUZEN K40    W     N33043955W097013012                    E0040     NAR          CUZEN
        SUSAEAENRT   FIRMN K40    W     N32461777W097142877                    E0041     NAR          FIRMN
        SUSAEAENRT   FLAGZ K40    W     N33094588W097003741                    E0040     NAR          FLAGZ
        SUSAEAENRT   HAZKL K40    W     N33041504W097031158                    E0040     NAR          HAZKL
        SUSAEAENRT   JGIRL K40    W     N32455436W096562163                    E0039     NAR          JGIRL
        SUSAEAENRT   LOWGN K40    C   L N33270270W097145929                    E0041     NAR          LOWGN
        SUSAEAENRT   MRMAC K40    C   B N34502882W098063432                    E0046     NAR          MRMAC
        SUSAEAENRT   NAVYE K40    W     N32465775W096594205                    E0040     NAR          NAVYE
        SUSAEAENRT   ROLLS K40    C   B N35432188W099281451                    E0055     NAR          ROLLS
        SUSAEAENRT   YAMEL K40    W     N32455570W097082805                    E0041     NAR          YAMEL

                1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KDFWK4ADFW     0     134YHN32534858W097021679E006000607        1800018000C    MNAR    DALLAS/FORT WORTH INTL

                1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KDFWK4DLOWGN54RW17C 010         0        VI                    1743                    18000
        SUSAP KDFWK4DLOWGN54RW17C 020NAVYEK4EA0E    010CF TTT K4      1500005715520049D
        SUSAP KDFWK4DLOWGN54RW17C 030JGIRLK4EA0E    010TF                    10450030    + 05000          240              -
        SUSAP KDFWK4DLOWGN54RW17C 040CORTSK4EA0E    010TF                    08170055
        SUSAP KDFWK4DLOWGN54RW17C 050BIGGDK4EA0E    010TF                    00580055
        SUSAP KDFWK4DLOWGN54RW17C 060CMOREK4EA0E    010TF                    35410077
        SUSAP KDFWK4DLOWGN54RW17C 070LOWGNK4EA0EE   010TF                    31540355
        SUSAP KDFWK4DLOWGN54RW17R 010         0        VI                    1743                    18000
        SUSAP KDFWK4DLOWGN54RW17R 020NAVYEK4EA0E    010CF TTT K4      1500005715300050D
        SUSAP KDFWK4DLOWGN54RW17R 030JGIRLK4EA0E    010TF                    10450030    + 05000          240              -
```

QUALITY 1 CHECKED

DEPARTURE (DATA RECORD)

DP Name	Number	DP Computer Code	Superseded Number	Dated	Effective Date
LOWGN RNAV	FIVE	LOWGN5.LOWGN	FOUR	04/05/2012	

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SUSAP KDFWK4DLOWGN54RW17R 040CORTSK4EA0E    010TF                     08170055
SUSAP KDFWK4DLOWGN54RW17R 050BIGGDK4EA0E    010TF                     00580055
SUSAP KDFWK4DLOWGN54RW17R 060CMOREK4EA0E    010TF                     35410077
SUSAP KDFWK4DLOWGN54RW17R 070LOWGNK4EA0EE   010TF                     31540355
SUSAP KDFWK4DLOWGN54RW18L 010          0       VI                     1743                    18000
SUSAP KDFWK4DLOWGN54RW18L 020BPARKK4EA0E    010CF TTT K4      1941006019050053D
SUSAP KDFWK4DLOWGN54RW18L 030YAMELK4EA0E    010TF                     25290031    + 05000         240               -
SUSAP KDFWK4DLOWGN54RW18L 040FIRMNK4EA0E    010TF                     26820051
SUSAP KDFWK4DLOWGN54RW18L 050BINGMK4EA0E    010TF                     33210045
SUSAP KDFWK4DLOWGN54RW18L 060BEMMRK4EA0E    010TF                     35520096
SUSAP KDFWK4DLOWGN54RW18L 070LOWGNK4EA0EE   010TF                     35620269
SUSAP KDFWK4DLOWGN54RW18R 010          0       VI                     1743                    18000
SUSAP KDFWK4DLOWGN54RW18R 020BPARKK4EA0E    010CF TTT K4      1941006019000048D
SUSAP KDFWK4DLOWGN54RW18R 030YAMELK4EA0E    010TF                     25290031    + 05000         240               -
SUSAP KDFWK4DLOWGN54RW18R 040FIRMNK4EA0E    010TF                     26820051
SUSAP KDFWK4DLOWGN54RW18R 050BINGMK4EA0E    010TF                     33210045
SUSAP KDFWK4DLOWGN54RW18R 060BEMMRK4EA0E    010TF                     35520096
SUSAP KDFWK4DLOWGN54RW18R 070LOWGNK4EA0EE   010TF                     35620269
SUSAP KDFWK4DLOWGN54RW31L 010          0       VM                     3131                    18000
SUSAP KDFWK4DLOWGN54RW31L 020LOWGNK4EA0EE   010DF
SUSAP KDFWK4DLOWGN54RW31R 010          0       VM                     3093                    18000
SUSAP KDFWK4DLOWGN54RW31R 020LOWGNK4EA0EE   010DF
SUSAP KDFWK4DLOWGN54RW35C 010          0       VA                     3543        + 01120     18000
SUSAP KDFWK4DLOWGN54RW35C 020CUZENK4EA0E    010DF                                 + 05000         240               -
SUSAP KDFWK4DLOWGN54RW35C 030FLAGZK4EA0E    010TF                     00220052
SUSAP KDFWK4DLOWGN54RW35C 040LOWGNK4EA0EE   010TF                     31920210
SUSAP KDFWK4DLOWGN54RW35L 010          0       VA                     3543        + 01120     18000
SUSAP KDFWK4DLOWGN54RW35L 020CUZENK4EA0E    010DF                                 + 05000         240               -
SUSAP KDFWK4DLOWGN54RW35L 030FLAGZK4EA0E    010TF                     00220052
SUSAP KDFWK4DLOWGN54RW35L 040LOWGNK4EA0EE   010TF                     31920210
SUSAP KDFWK4DLOWGN54RW36B 010          0       VA                     3543        + 01120     18000
SUSAP KDFWK4DLOWGN54RW36B 020HAZKLK4EA0E    010DF                                 + 05000         240               -
SUSAP KDFWK4DLOWGN54RW36B 030LOWGNK4EA0EE   010TF                     33060248
SUSAP KDFWK4DLOWGN56ADM   010LOWGNK4EA0E       IF                                                   18000
SUSAP KDFWK4DLOWGN56ADM   020ADM  K4D 0VE   010TF                     35910458
SUSAP KDFWK4DLOWGN56ROLLS 010LOWGNK4EA0E       IF                                                   18000
SUSAP KDFWK4DLOWGN56ROLLS 020ADM  K4D 0V    010TF                     35910458
SUSAP KDFWK4DLOWGN56ROLLS 030MRMACK4EA0E    010TF                     30320600
SUSAP KDFWK4DLOWGN56ROLLS 040ROLLSK4EA0EE   010TF                     30270852
```

```
                1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY  123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KDFWK4GRW17C   0134011743 N32545655W097013349+0000    +014410056200005815 0IIFLQ3
        SUSAP KDFWK4GRW17R   0134011743 N32545660W097014758+0000    +014570056700005420 0IIJHZ1
        SUSAP KDFWK4GRW18L   0134001743 N32545688W097030265-0200    +015620060200005520 0IICIX1
        SUSAP KDFWK4GRW18R   0134001743 N32545693W097031671-0200    +015770060700005915 0IIVYN3
```

QUALITY CHECKED

DEPARTURE (DATA RECORD)

DP Name	Number	DP Computer Code	Superseded Number	Dated	Effective Date
LOWGN RNAV	FIVE	LOWGN5.LOWGN	FOUR	04/05/2012	

```
SUSAP KDFWK4GRW31L   0093013131 N32532497W097034779+0100    +0148800577000054150R
SUSAP KDFWK4GRW31R   0090003093 N32534193W097000304+0500    +0128000508000053200IIRRA1
SUSAP KDFWK4GRW35C   0134013543 N32524396W097013422+0000    +0144400562000059150IIPKQ3
SUSAP KDFWK4GRW35L   0134013543 N32524402W097014829+0000    +0144700563000047200IIUWX1
SUSAP KDFWK4GRW36L   0134003543 N32524435W097031740+0200    +0150400582000055150IIBXN1
SUSAP KDFWK4GRW36R   0134003543 N32524430W097030333+0200    +0148300575000050200IIFJN1
```

QUALITY CHECKED 1

DEPARTURE (DATA RECORD)

DP Name	Number	DP Computer Code	Superseded Number	Dated	Effective Date
LOWGN RNAV	FIVE	LOWGN5.LOWGN	FOUR	04/05/2012	

ARINC SUMMARY - 424-18 - SID

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
	RW17C		010		VI		FB		174.3()			
	RW17C	NAVYE	020		CF		FB	1.0	155.2()	004.9		
	RW17C	JGIRL	030		TF		FB	1.0	104.5()	003.0	AA 05000	AB 240
	RW17C	CORTS	040		TF		FB	1.0	081.7()	005.5		
	RW17C	BIGGD	050		TF		FB	1.0	005.8()	005.5		
	RW17C	CMORE	060		TF		FB	1.0	354.1()	007.7		
	RW17C	LOWGN	070		TF		FB	1.0	315.4()	035.5		
	RW17R		010		VI		FB		174.3()			
	RW17R	NAVYE	020		CF		FB	1.0	153.0()	005.0		
	RW17R	JGIRL	030		TF		FB	1.0	104.5()	003.0	AA 05000	AB 240
	RW17R	CORTS	040		TF		FB	1.0	081.7()	005.5		
	RW17R	BIGGD	050		TF		FB	1.0	005.8()	005.5		
	RW17R	CMORE	060		TF		FB	1.0	354.1()	007.7		
	RW17R	LOWGN	070		TF		FB	1.0	315.4()	035.5		
	RW18L		010		VI		FB		174.3()			
	RW18L	BPARK	020		CF		FB	1.0	190.5()	005.3		
	RW18L	YAMEL	030		TF		FB	1.0	252.9()	003.1	AA 05000	AB 240
	RW18L	FIRMN	040		TF		FB	1.0	268.2()	005.1		
	RW18L	BINGM	050		TF		FB	1.0	332.1()	004.5		
	RW18L	BEMMR	060		TF		FB	1.0	355.2()	009.6		
	RW18L	LOWGN	070		TF		FB	1.0	356.2()	026.9		
	RW18R		010		VI		FB		174.3()			
	RW18R	BPARK	020		CF		FB	1.0	190.0()	004.8		
	RW18R	YAMEL	030		TF		FB	1.0	252.9()	003.1	AA 05000	AB 240
	RW18R	FIRMN	040		TF		FB	1.0	268.2()	005.1		
	RW18R	BINGM	050		TF		FB	1.0	332.1()	004.5		
	RW18R	BEMMR	060		TF		FB	1.0	355.2()	009.6		
	RW18R	LOWGN	070		TF		FB	1.0	356.2()	026.9		
	RW31L		010		VM		FB		313.1()			
	RW31L	LOWGN	020		DF		FB	1.0				
	RW31R		010		VM		FB		309.3()			
	RW31R	LOWGN	020		DF		FB	1.0				
	RW35C		010		VA		FB		354.3()		AA 01120	
	RW35C	CUZEN	020		DF		FB	1.0			AA 05000	AB 240
	RW35C	FLAGZ	030		TF		FB	1.0	002.2()	005.2		
	RW35C	LOWGN	040		TF		FB	1.0	319.2()	021.0		
	RW35L		010		VA		FB		354.3()		AA 01120	
	RW35L	CUZEN	020		DF		FB	1.0			AA 05000	AB 240
	RW35L	FLAGZ	030		TF		FB	1.0	002.2()	005.2		
	RW35L	LOWGN	040		TF		FB	1.0	319.2()	021.0		
	RW36B		010		VA		FB		354.3()		AA 01120	
	RW36B	HAZKL	020		DF		FB	1.0			AA 05000	AB 240

QUALITY 1 CHECKED

DEPARTURE (DATA RECORD)

DP Name	Number	DP Computer Code	Superseded Number	Dated	Effective Date
LOWGN RNAV	FIVE	LOWGN5.LOWGN	FOUR	04/05/2012	

RW36B	LOWGN	030	TF	FB	1.0	330.6()	024.8
ADM	LOWGN	010	IF	FB			
ADM	ADM	020	TF	FB	1.0	359.1()	045.8
ROLLS	LOWGN	010	IF	FB			
ROLLS	ADM	020	TF	FB	1.0	359.1()	045.8
ROLLS	MRMAC	030	TF	FB	1.0	303.2()	060.0
ROLLS	ROLLS	040	TF	FB	1.0	302.7()	085.2

POINT DATA

WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
ADM	N341241.71	W0971005.62	N3412.695	W09710.094
TTT	N325208.98	W0970225.81	N3252.150	W09702.430
BEMMR	N330006.19	W0971613.39	N3300.103	W09716.223
BIGGD	N325131.59	W0964833.10	N3251.527	W09648.552
BINGM	N325027.25	W0971627.44	N3250.454	W09716.457
BPARK	N324631.76	W0970451.51	N3246.529	W09704.859
CMORE	N325916.66	W0964832.49	N3259.278	W09648.542
CORTS	N324607.65	W0964953.59	N3246.128	W09649.893
CUZEN	N330439.55	W0970130.12	N3304.659	W09701.502
FIRMN	N324617.77	W0971428.77	N3246.296	W09714.480
FLAGZ	N330945.88	W0970037.41	N3309.765	W09700.624
HAZKL	N330415.04	W0970311.58	N3304.251	W09703.193
JGIRL	N324554.36	W0965621.63	N3245.906	W09656.361
LOWGN	N332702.70	W0971459.29	N3327.045	W09714.988
MRMAC	N345028.82	W0980634.32	N3450.480	W09806.572
NAVYE	N324657.75	W0965942.05	N3246.963	W09659.701
ROLLS	N354321.88	W0992814.51	N3543.365	W09928.242
YAMEL	N324555.70	W0970828.05	N3245.928	W09708.468
RW17C	N325456.55	W0970133.49	N3254.943	W09701.558
RW17R	N325456.60	W0970147.58	N3254.943	W09701.793
RW18L	N325456.88	W0970302.65	N3254.948	W09703.044
RW18R	N325456.93	W0970316.71	N3254.949	W09703.279
RW31L	N325324.97	W0970347.79	N3253.416	W09703.797
RW31R	N325341.93	W0970003.04	N3253.699	W09700.051
RW35C	N325243.96	W0970134.22	N3252.733	W09701.570
RW35L	N325244.02	W0970148.29	N3252.734	W09701.805
RW36L	N325244.35	W0970317.40	N3252.739	W09703.290
RW36R	N325244.30	W0970303.33	N3252.738	W09703.056

RUNWAY DATA

RWY	THRESHOLD ELEVATION	TCH
RW17C	00562	58
RW17R	00567	54
RW18L	00602	55
RW18R	00607	59
RW31L	00577	54

QUALITY CHECKED

DEPARTURE (DATA RECORD)

DP Name	Number	DP Computer Code	Superseded Number	Dated	Effective Date
LOWGN RNAV	FIVE	LOWGN5.LOWGN	FOUR	04/05/2012	

RW31R	00508	53
RW35C	00562	59
RW35L	00563	47
RW36L	00582	55
RW36R	00575	50

QUALITY CHECKED 1