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DP Name	Number	DP Computer Code	Superseded Number	Dated	Effective Date
GRABE	FIVE	GRABE5.GRABE	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 GRABE. 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 GRABE. 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 GRABE. 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 GRABE. THENCE...
TAKEOFF RWY 31L, 31R: CLIMB ON ASSIGNED HEADING FOR RADAR VECTORS TO GRABE, 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 GRABE. THENCE...
TAKEOFF RWY 35L: CLIMB HEADING 354.26 TO 1120, THEN DIRECT CUZEN, CROSS CUZEN AT OR ABOVE 5000, THEN ON DEPICTED ROUTE TO GRABE. THENCE...
TAKEOFF RWY 36L: CLIMB HEADING 354.25 TO 1120, THEN DIRECT HAZKL, CROSS HAZKL AT OR ABOVE 5000, THEN ON DEPICTED ROUTE TO GRABE. THENCE...
TAKEOFF RWY 36R: CLIMB HEADING 354.25 TO 1120, THEN DIRECT HAZKL, CROSS HAZKL AT OR ABOVE 5000, THEN ON DEPICTED ROUTE TO GRABE. THENCE...
... (TRANSITION). MAINTAIN 10000, 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
EAKER	GRABE5.EAKER	GRABE	EAKER	TRACK 012.12	54.60	9000	3700	
OKMULGEE	GRABE5.OKM	GRABE	EAKER	TRACK 012.12	54.60	9000	3700	
		EAKER	OKM VOR/DME	TRACK 018.06	90.40	11000	3400	

QUALITY CHECKED

GRAPHIC DEPARTURE PROCEDURE (DP)

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DP Name	Number	DP Computer Code	Superseded Number	Dated	Effective Date
GRABE	FIVE	GRABE5.GRABE	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: EAKER TRANSITION (GRABE5.EAKER): FOR AIRCRAFT INBOUND TO THE TUL TERMINAL AREA.
NOTE: OKMULGEE TRANSITION (GRABE5.OKM): FOR ALL AIRCRAFT OVERFLYING THE OKM VOR/DME PROCEEDING VIA J181 TO BDF TO DESTINATIONS IN THE CHICAGO TERMINAL AREA AND NORTH.

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

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 GRABE (IF), CW
FROM: POINT A (BEARING 328 DEGREES TO GRABE)
TO: POINT B (BEARING 057 DEGREES TO GRABE)
MINIMUM ALTITUDE – 5000

QUALITY 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
GRABE	FIVE	GRABE5.GRABE	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:

ADM VORTAC, AKUNA, BLECO, LOWGN, TIKYS, ZEMMA

REMARKS:

QUALITY 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
GRABE	FIVE	GRABE5.GRABE	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 GRABE4 TO GRABE5.

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
GRABE	FIVE	GRABE5.GRABE	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			
GRABE	332705.25N/0965741.50W	Y	FB	TF	344.58	28.80			
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			
GRABE	332705.25N/0965741.50W	Y	FB	TF	344.58	28.80			
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			
GRABE	332705.25N/0965741.50W	Y	FB	TF	029.91	31.10			

QUALITY CHECKED

DEPARTURE (DATA RECORD)

DP Name	Number	DP Computer Code	Superseded Number	Dated	Effective Date
GRABE	FIVE	GRABE5.GRABE	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			
GRABE	332705.25N/0965741.50W	Y	FB	TF	029.91	31.10			
RW31L (AER)	325324.97N/0970347.79W	N	-	-	-	-			
		-	-	VM	319.06	-			
GRABE	332705.25N/0965741.50W	Y	FB	DF	-	-			
RW31R (AER)	325341.93N/0970003.04W	N	-	-	-	-			
		-	-	VM	315.28	-			
GRABE	332705.25N/0965741.50W	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	
GRABE	332705.25N/0965741.50W	Y	FB	TF	008.11	22.61			
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	
GRABE	332705.25N/0965741.50W	Y	FB	TF	008.11	22.61			

QUALITY CHECKED

DEPARTURE (DATA RECORD)

DP Name	Number	DP Computer Code	Superseded Number	Dated	Effective Date
GRABE	FIVE	GRABE5.GRABE	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	
RYNNE	330913.30N/0970355.92W	Y	FB	TF	352.87	5.00			
GRABE	332705.25N/0965741.50W	Y	FB	TF	016.32	18.58			
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	
RYNNE	330913.30N/0970355.92W	Y	FB	TF	352.87	5.00			
GRABE	332705.25N/0965741.50W	Y	FB	TF	016.32	18.58			
GRABE	332705.25N/0965741.50W	Y	-	IF	-	-			GRABE5.EAKER
EAKER	341902.72N/0963711.52W	Y	FB	TF	018.12	54.60			
GRABE	332705.25N/0965741.50W	Y	-	IF	-	-			GRABE5.OKM
EAKER	341902.72N/0963711.52W	Y	FB	TF	018.12	54.60			
OKM VOR/DME	354135.15N/0955157.53W	Y	FB	TF	024.06	90.40			

QUALITY CHECKED

DEPARTURE (DATA RECORD)

DP Name	Number	DP Computer Code	Superseded Number	Dated	Effective Date
GRABE RNAV	FIVE	GRABE5.GRABE	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        OKM   K4011490VDHW N35413515W095515753    N35413515W095515753E0080007662     NAROKMULGEE
        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   EAKER K40    C   B N34190272W096371152                     E0037     NAR           EAKER
        SUSAEAENRT   FIRMN K40    W     N32461777W097142877                     E0041     NAR           FIRMN
        SUSAEAENRT   GRABE K40    C   L N33270525W096574150                     E0039     NAR           GRABE
        SUSAEAENRT   HAZKL K40    W     N33041504W097031158                     E0040     NAR           HAZKL
        SUSAEAENRT   JGIRL K40    W     N32455436W096562163                     E0039     NAR           JGIRL
        SUSAEAENRT   NAVYE K40    W     N32465775W096594205                     E0040     NAR           NAVYE
        SUSAEAENRT   RYNNE K40    W     N33091330W097035592                     E0040     NAR           RYNNE
        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 KDFWK4DGRABE54RW17C 010         0        VI                      1743                    18000
        SUSAP KDFWK4DGRABE54RW17C 020NAVYEK4EA0E    010CF TTT K4      1500005715520049D
        SUSAP KDFWK4DGRABE54RW17C 030JGIRLK4EA0E    010TF                     10450030    + 05000          240               -
        SUSAP KDFWK4DGRABE54RW17C 040CORTSK4EA0E    010TF                     08170055
        SUSAP KDFWK4DGRABE54RW17C 050BIGGDK4EA0E    010TF                     00580055
        SUSAP KDFWK4DGRABE54RW17C 060CMOREK4EA0E    010TF                     35410077
        SUSAP KDFWK4DGRABE54RW17C 070GRABEK4EA0EE   010TF                     33860288
        SUSAP KDFWK4DGRABE54RW17R 010         0        VI                      1743                    18000
        SUSAP KDFWK4DGRABE54RW17R 020NAVYEK4EA0E    010CF TTT K4      1500005715300050D
        SUSAP KDFWK4DGRABE54RW17R 030JGIRLK4EA0E    010TF                     10450030    + 05000          240               -
        SUSAP KDFWK4DGRABE54RW17R 040CORTSK4EA0E    010TF                     08170055
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QUALITY CHECKED

DEPARTURE (DATA RECORD)

DP Name	Number	DP Computer Code	Superseded Number	Dated	Effective Date
GRABE RNAV	FIVE	GRABE5.GRABE	FOUR	04/05/2012	

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SUSAP KDFWK4DGRABE54RW17R 050BIGGDK4EA0E    010TF                      00580055
SUSAP KDFWK4DGRABE54RW17R 060CMOREK4EA0E    010TF                      35410077
SUSAP KDFWK4DGRABE54RW17R 070GRABEK4EA0EE   010TF                      33860288
SUSAP KDFWK4DGRABE54RW18L 010          0       VI                      1743                    18000
SUSAP KDFWK4DGRABE54RW18L 020BPARKK4EA0E    010CF TTT K4      1941006019050053D
SUSAP KDFWK4DGRABE54RW18L 030YAMELK4EA0E    010TF                      25290031    + 05000         240              -
SUSAP KDFWK4DGRABE54RW18L 040FIRMNK4EA0E    010TF                      26820051
SUSAP KDFWK4DGRABE54RW18L 050BINGMK4EA0E    010TF                      33210045
SUSAP KDFWK4DGRABE54RW18L 060BEMMRK4EA0E    010TF                      35520096
SUSAP KDFWK4DGRABE54RW18L 070GRABEK4EA0EE   010TF                      02390311
SUSAP KDFWK4DGRABE54RW18R 010          0       VI                      1743                    18000
SUSAP KDFWK4DGRABE54RW18R 020BPARKK4EA0E    010CF TTT K4      1941006019000048D
SUSAP KDFWK4DGRABE54RW18R 030YAMELK4EA0E    010TF                      25290031    + 05000         240              -
SUSAP KDFWK4DGRABE54RW18R 040FIRMNK4EA0E    010TF                      26820051
SUSAP KDFWK4DGRABE54RW18R 050BINGMK4EA0E    010TF                      33210045
SUSAP KDFWK4DGRABE54RW18R 060BEMMRK4EA0E    010TF                      35520096
SUSAP KDFWK4DGRABE54RW18R 070GRABEK4EA0EE   010TF                      02390311
SUSAP KDFWK4DGRABE54RW31L 010          0       VM                      3131                    18000
SUSAP KDFWK4DGRABE54RW31L 020GRABEK4EA0EE   010DF
SUSAP KDFWK4DGRABE54RW31R 010          0       VM                      3093                    18000
SUSAP KDFWK4DGRABE54RW31R 020GRABEK4EA0EE   010DF
SUSAP KDFWK4DGRABE54RW35C 010          0       VA                      3543        + 01120     18000
SUSAP KDFWK4DGRABE54RW35C 020CUZENK4EA0E    010DF                                  + 05000         240              -
SUSAP KDFWK4DGRABE54RW35C 030GRABEK4EA0EE   010TF                      00210226
SUSAP KDFWK4DGRABE54RW35L 010          0       VA                      3543        + 01120     18000
SUSAP KDFWK4DGRABE54RW35L 020CUZENK4EA0E    010DF                                  + 05000         240              -
SUSAP KDFWK4DGRABE54RW35L 030GRABEK4EA0EE   010TF                      00210226
SUSAP KDFWK4DGRABE54RW36B 010          0       VA                      3543        + 01120     18000
SUSAP KDFWK4DGRABE54RW36B 020HAZKLK4EA0E    010DF                                  + 05000         240              -
SUSAP KDFWK4DGRABE54RW36B 030RYNNEK4EA0E    010TF                      34690050
SUSAP KDFWK4DGRABE54RW36B 040GRABEK4EA0EE   010TF                      01030186
SUSAP KDFWK4DGRABE56EAKER 010GRABEK4EA0E       IF                                                  18000
SUSAP KDFWK4DGRABE56EAKER 020EAKERK4EA0EE   010TF                      01210546
SUSAP KDFWK4DGRABE56OKM   010GRABEK4EA0E       IF                                                  18000
SUSAP KDFWK4DGRABE56OKM   020EAKERK4EA0E    010TF                      01210546
SUSAP KDFWK4DGRABE56OKM   030OKM  K4D 0VE   010TF                      01810904
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                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
        SUSAP KDFWK4GRW31L   0093013131 N32532497W097034779+0100    +014880057700005415 0R
        SUSAP KDFWK4GRW31R   0090003093 N32534193W097000304+0500    +012800050800005320 0IIRRA1
        SUSAP KDFWK4GRW35C   0134013543 N32524396W097013422+0000    +014440056200005915 0IIPKQ3
```

QUALITY CHECKED

DEPARTURE (DATA RECORD)

DP Name	Number	DP Computer Code	Superseded Number	Dated	Effective Date
GRABE RNAV	FIVE	GRABE5.GRABE	FOUR	04/05/2012	

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SUSAP KDFWK4GRW35L   0134013543 N32524402W097014829+0000    +014470056300004720 0IIUWX1
SUSAP KDFWK4GRW36L   0134003543 N32524435W097031740+0200    +015040058200005515 0IIBXN1
SUSAP KDFWK4GRW36R   0134003543 N32524430W097030333+0200    +014830057500005020 0IIFJN1
```

QUALITY CHECKED 1

DEPARTURE (DATA RECORD)

DP Name	Number	DP Computer Code	Superseded Number	Dated	Effective Date
GRABE RNAV	FIVE	GRABE5.GRABE	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	GRABE	070		TF		FB	1.0	338.6()	028.8		
	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	GRABE	070		TF		FB	1.0	338.6()	028.8		
	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	GRABE	070		TF		FB	1.0	023.9()	031.1		
	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	GRABE	070		TF		FB	1.0	023.9()	031.1		
	RW31L		010		VM		FB		313.1()			
	RW31L	GRABE	020		DF		FB	1.0				
	RW31R		010		VM		FB		309.3()			
	RW31R	GRABE	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	GRABE	030		TF		FB	1.0	002.1()	022.6		
	RW35L		010		VA		FB		354.3()		AA 01120	
	RW35L	CUZEN	020		DF		FB	1.0			AA 05000	AB 240
	RW35L	GRABE	030		TF		FB	1.0	002.1()	022.6		
	RW36B		010		VA		FB		354.3()		AA 01120	
	RW36B	HAZKL	020		DF		FB	1.0			AA 05000	AB 240
	RW36B	RYNNE	030		TF		FB	1.0	346.9()	005.0		
	RW36B	GRABE	040		TF		FB	1.0	010.3()	018.6		

QUALITY CHECK

DEPARTURE (DATA RECORD)

DP Name	Number	DP Computer Code	Superseded Number	Dated	Effective Date
GRABE RNAV	FIVE	GRABE5.GRABE	FOUR	04/05/2012	

EAKER	GRABE	010	IF	FB			
EAKER	EAKER	020	TF	FB	1.0	012.1()	054.6
OKM	GRABE	010	IF	FB			
OKM	EAKER	020	TF	FB	1.0	012.1()	054.6
OKM	OKM	030	TF	FB	1.0	018.1()	090.4

POINT DATA

WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
OKM	N354135.15	W0955157.53	N3541.586	W09551.959
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
EAKER	N341902.72	W0963711.52	N3419.045	W09637.192
FIRMN	N324617.77	W0971428.77	N3246.296	W09714.480
GRABE	N332705.25	W0965741.50	N3327.088	W09657.692
HAZKL	N330415.04	W0970311.58	N3304.251	W09703.193
JGIRL	N324554.36	W0965621.63	N3245.906	W09656.361
NAVYE	N324657.75	W0965942.05	N3246.963	W09659.701
RYNNE	N330913.30	W0970355.92	N3309.222	W09703.932
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
RW31R	00508	53
RW35C	00562	59
RW35L	00563	47

QUALITY CHECKED

DEPARTURE (DATA RECORD)

DP Name	Number	DP Computer Code	Superseded Number	Dated	Effective Date
GRABE RNAV	FIVE	GRABE5.GRABE	FOUR	04/05/2012	

RW36L	00582	55
RW36R	00575	50

QUALITY CONTROL