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DP Name	Number	DP Computer Code	Superseded Number	Dated	Effective Date
SLAYER	TWO	SLAYR2.SLAYR	ONE	07/26/2012	

TYPE: RNAV SID

DP ROUTE DESCRIPTION:

TAKEOFF RW17: CLIMB HEADING 167.53 TO OR ABOVE 1360, THEN INTERCEPT COURSE 215.00 TO BDOGG, THEN ON TRACK 228.60 TO CROSS CLIKR AT OR ABOVE 5000 AND AT OR BELOW 7000, THEN ON TRACK 242.56 TO CROSS KEYPR AT OR ABOVE 8000 AND AT OR BELOW 17000, THEN ON TRACK 242.42 TO CROSS MCONL AT OR ABOVE 11000 AND AT OR BELOW 17000, THEN ON TRACK 231.08 TO SLAYR, THENCE...

...VIA (TRANSITION). MAINTAIN 17000. 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
TEYOU	SLAYR2.TEYOU	SLAYR	TTOSS	232.53	50.25	11000	2800	
		TTOSS	TEYOU	231.85	64.12	11000	3400	

PROCEDURAL DATA NOTES/TAKEOFF MINIMUMS:

TAKEOFF MINIMUMS: RWY 4, 12L, 12R, 22, 30L, 30R, 35 NA – AIR TRAFFIC. RWY 17, STANDARD WITH MINIMUM CLIMB OF 465' PER NM TO 11000.
NOTE: FOR USE BY TURBOJET AIRCRAFT ONLY.
NOTE: RADAR REQUIRED.
NOTE: DME/DME/IRU OR GPS REQUIRED.
NOTE: RNAV 1.

TAKEOFF OBSTACLES NOTES:

RWY 17, ANTENNA 1272' FROM DER, 562' RIGHT OF CENTERLINE, 57' AGL/891' MSL. POLE 409' FROM DER, 530' RIGHT OF CENTERLINE, 29' AGL/866' MSL. WDI ON BLDG 2619' FROM DER, 881' LEFT OF CENTERLINE, 97' AGL/918' MSL. BLDG 2619' FROM DER, 859' LEFT OF CENTERLINE, 84' AGL/905' MSL. LIGHT 1176' FROM DER, 291' RIGHT OF CENTERLINE, 11' AGL/875' MSL. TREE 2619' FROM DER, ON CENTERLINE, 79' AGL/900' MSL.

CONTROLLING OBSTACLES:

LOST COMMUNICATIONS PROCEDURES:

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SLAYER	TWO	SLAYR2.SLAYR	ONE	07/26/2012	

ADDITIONAL FLIGHT DATA:

REFERENCE MAG VAR: KMSP 2E EPOCH YR: 1995
DME/DME ASSESSMENT: SAT (RNP 2.0)

AIRPORTS SERVED:

MINNEAPOLIS-ST PAUL INTERNATIONAL/WOLD CHAMBERLAIN AIRPORT MINNEAPOLIS, MN.

COMMUNICATIONS:

ATIS, CEARANCE DELIVERY, DEPARTURE CONTROL SOUTH OR EAST, DEPARTURE CONTROL NORTH OR WEST, ZMP, ATCT.

FIXES AND/OR NAVAIDS:

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
SLAYER	TWO	SLAYR2.SLAYR	ONE	07/26/2012	

REMARKS:

FLIGHT INSPECTED BY:

ANTHONY D. VALLERA FIOG 04/05/2012

REQUIRED EFFECTIVE DATE:

ROUTINE

DEVELOPED BY:

DON LANIER AJV-353 08/22/2012

APPROVED BY:

LARRY STROUT AJV-353

COORDINATED WITH:

ATA, ALPA, APA, AOPA, NBAA

CHANGES:

ADDED "MAINTAIN 17000. EXPECT FILED ALTITUDE TEN MINUTES AFTER DEPARTURE." TO DEPARTURE ROUTE DESCRIPTION.

REASONS:

FPT/ATC REQUEST.

DEPARTURE (DATA RECORD)

DP Name	Number	DP Computer Code	Superseded Number	Dated	Effective Date
SLAYER	TWO	SLAYR2.SLAYR	ONE	07/26/2012	

FIX/NAVAID	LAT/LONG	C	FO/FB	LEG TYPE	TC	DIST (NM)	ALTITUDE	SPEED	REMARKS
RW17 (AER)	445315.91N/0931432.10W	N	-	-	-	-			
1360 MSL	445003.06N/0931342.01W	-	-	VI	169.53	3.27			CG 465 FT/NM TO 11000 RECOMMENDED NAVAID: MSP VOR/DME
BDOGG	444831.68N/0931518.72W	Y	FB	CF	217.00	1.91			VI/CF PERMITTED
CLIKR	444458.99N/0932121.86W	Y	FB	TF	230.60	5.58	AT/ABOVE 5000, AT/BELOW 7000		
KEYPR	444042.68N/0933354.89W	Y	FB	TF	244.56	9.92	AT/ABOVE 8000, AT/BELOW 17000		
MCONL	443500.33N/0935032.26W	Y	FB	TF	244.42	13.17	AT/ABOVE 11000, AT/BELOW 17000		
SLAYR	442506.00N/0940853.00W	Y	FB	TF	233.08	16.45			
SLAYR	442506.00N/0940853.00W	Y	FB	IF	-	-	SLAYR2.TEYOU		
TTOSS	435542.00N/0950531.00W	Y	FB	TF	234.53	50.25			
TEYOU	431730.00N/0961625.00W	Y	FB	TF	233.85	64.12			

DEPARTURE (DATA RECORD)

DP Name	Number	DP Computer Code	Superseded Number	Dated	Effective Date
SLAYER RNAV	TWO	SLAYR2.SLAYR	ONE	07/26/2012	

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        MSP   K3011530VDLW N44534740W093141153    N44534740W093141153E0020008331     NARMINNEAPOLIS

                 1         2         3         4         5         6         7         8         9         0         1         2         3
WP      123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAEAENRT   BDOGG K30    W     N44483168W093151872                      E0006     NAR           BDOGG
        SUSAEAENRT   CLIKR K30    W     N44445899W093212186                      E0007     NAR           CLIKR
        SUSAEAENRT   KEYPR K30    W     N44404268W093335489                      E0009     NAR           KEYPR
        SUSAEAENRT   MCONL K30    C     N44350033W093503226                      E0011     NAR           MCONL
        SUSAEAENRT   SLAYR K30    W     N44250600W094085300                      E0014     NAR           SLAYR
        SUSAEAENRT   TEYOU K30    W     N43173000W096162500                      E0032     NAR           TEYOU
        SUSAEAENRT   TTOSS K30    W     N43554200W095053100                      E0022     NAR           TTOSS

                 1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KMSPK3AMSP     0     110YHN44525510W093131840E002000842         1800018000C    MNAR    MINNEAPOLIS-ST PAUL INTL/WOLD-

                 1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KMSPK3DSLAYR24RW17  010         0        VI                    1675        + 01360     18000
        SUSAP KMSPK3DSLAYR24RW17  020BDOGGK3EA0E    010CF MSP K3      1866005321500019D
        SUSAP KMSPK3DSLAYR24RW17  030CLIKRK3EA0E    010TF                    22860056    B 0700005000
        SUSAP KMSPK3DSLAYR24RW17  040KEYPRK3EA0E    010TF                    24260099    B 1700008000
        SUSAP KMSPK3DSLAYR24RW17  050MCONLK3EA0E    010TF                    24240132    B 1700011000
        SUSAP KMSPK3DSLAYR24RW17  060SLAYRK3EA0EE   010TF                    23110165
        SUSAP KMSPK3DSLAYR26TEYOU 010SLAYRK3EA0E       IF                                          18000
        SUSAP KMSPK3DSLAYR26TEYOU 020TTOSSK3EA0E    010TF                    23250503
        SUSAP KMSPK3DSLAYR26TEYOU 030TEYOUK3EA0EE   010TF                    23190641

                 1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY  123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KMSPK3GRW17    0080001675 N44531591W093143211-0100    +02290008400000060150VITJZ0
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QUALITY CHECKED 1

DEPARTURE (DATA RECORD)

DP Name	Number	DP Computer Code	Superseded Number	Dated	Effective Date
SLAYER RNAV	TWO	SLAYR2.SLAYR	ONE	07/26/2012	

ARINC SUMMARY - 424-18 - SID

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
	RW17		010		VI		FB		167.5()		AA 01360	
	RW17	BDOGG	020		CF		FB	1.0	215.0()	001.9		
	RW17	CLIKR	030		TF		FB	1.0	228.6()	005.6	BT 0700005000	
	RW17	KEYPR	040		TF		FB	1.0	242.6()	009.9	BT 1700008000	
	RW17	MCONL	050		TF		FB	1.0	242.4()	013.2	BT 1700011000	
	RW17	SLAYR	060		TF		FB	1.0	231.1()	016.5		
	TEYOU	SLAYR	010		IF		FB					
	TEYOU	TTOSS	020		TF		FB	1.0	232.5()	050.3		
	TEYOU	TEYOU	030		TF		FB	1.0	231.9()	064.1		

POINT DATA

WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
MSP	N445347.40	W0931411.53	N4453.790	W09314.192
BDOGG	N444831.68	W0931518.72	N4448.528	W09315.312
CLIKR	N444458.99	W0932121.86	N4444.983	W09321.364
KEYPR	N444042.68	W0933354.89	N4440.711	W09333.915
MCONL	N443500.33	W0935032.26	N4435.006	W09350.538
SLAYR	N442506.00	W0940853.00	N4425.100	W09408.883
TEYOU	N431730.00	W0961625.00	N4317.500	W09616.417
TTOSS	N435542.00	W0950531.00	N4355.700	W09505.517
RW17	N445315.91	W0931432.11	N4453.265	W09314.535

RUNWAY DATA

RWY	THRESHOLD ELEVATION	TCH
RW17	00840	60

QUALITY CHECKED 1