

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DP Name	Number	DP Computer Code	Superseded Number	Dated	Effective Date
SCHEP	SEVEN	SCHEP7.SCHEP	SIX	05/02/2013	22 AUG 2013

TYPE: SID

DP ROUTE DESCRIPTION:

MINNEAPOLIS-ST PAUL INTL/WOLD CHAMBERLAIN:

TAKEOFF ALL RUNWAYS: FLY ASSIGNED HEADING FOR RADAR VECTORS TO MSP R-232 TO SCHEP INT/MSP 66.00 DME. TURBOJET AIRCRAFT MAINTAIN 7000 OR LOWER ASSIGNED ALTITUDE, ALL OTHER AIRCRAFT MAINTAIN 5000 OR LOWER ASSIGNED ALTITUDE.

DME EQUIPPED AIRCRAFT RWY 12L/R DEPARTURES: FOR ASSIGNED HEADINGS FROM 060 CLOCKWISE TO 100, CROSS MSP 7 DME AT OR ABOVE 3500, MAINTAIN ASSIGNED ALTITUDE. IF UNABLE TO COMPLY ADVISE ATC AS SOON AS POSSIBLE PRIOR TO DEPARTURE, THENCE...

NON-DME EQUIPPED AIRCRAFT RWY 12L/R DEPARTURES: FOR ASSIGNED HEADINGS FROM 060 CLOCKWISE TO 100, CROSS FGT R-010 AT OR ABOVE 3500, MAINTAIN ASSIGNED ALTITUDE. IF UNABLE TO COMPLY, ADVISE ATC AS SOON AS POSSIBLE PRIOR TO DEPARTURE, THENCE...

TAKEOFF RWY 17 DEPARTURES: FOR ASSIGNED HEADINGS FROM 230 CLOCKWISE TO 285 CROSS MSP 7 DME AT OR ABOVE 3500, MAINTAIN ASSIGNED ALTITUDE. IF UNABLE TO COMPLY, ADVISE ATC AS SOON AS POSSIBLE PRIOR TO DEPARTURE. THENCE...

TAKEOFF RWY 30L/R DEPARTURES: FOR ASSIGNED HEADINGS FROM 220 CLOCKWISE TO 360 CROSS MSP 7 DME AT OR ABOVE 3500, MAINTAIN ASSIGNED ALTITUDE. IF UNABLE TO COMPLY, ADVISE ATC AS SOON AS POSSIBLE PRIOR TO DEPARTURE. THENCE...

TAKEOFF RUNWAYS 4, 22, 35: INITIALLY ASSIGNED HEADING, THENCE.....

ST PAUL DOWNTOWN HOLMAN FLD:

TAKEOFF RUNWAY 9: CLIMB HEADING 087.66 TO 1400 FOR RADAR VECTORS TO MSP VOR/DME THEN VIA MSP R-232 TO SCHEP INT/MSP 66.00 DME, THENCE...

TAKEOFF RUNWAY 13: CLIMB HEADING 124.74 TO 1300 FOR RADAR VECTORS TO MSP VOR/DME THEN VIA MSP R-232 TO SCHEP INT/MSP 66.00 DME, THENCE...

TAKEOFF RUNWAY 14: CLIMB HEADING 143.04 TO 1400 FOR RADAR VECTORS TO MSP VOR/DME THEN VIA MSP R-232 TO SCHEP INT/MSP 66.00 DME, THENCE...

TAKEOFF RUNWAY 27: CLIMB HEADING 267.67 TO 1700 FOR RADAR VECTORS TO MSP VOR/DME THEN VIA MSP R-232 TO SCHEP INT/MSP 66.00 DME, THENCE...

TAKEOFF RUNWAY 32: CLIMB HEADING 323.04 TO 1400 FOR RADAR VECTORS TO MSP VOR/DME THEN VIA MSP R-232 TO SCHEP INT/MSP 66.00 DME, THENCE...

FLYING CLOUD:

TAKEOFF ALL RUNWAYS: FLY ASSIGNED HEADING AND ALTITUDE FOR RADAR VECTORS TO MSP VOR/DME THEN VIA MSP R-232 TO SCHEP INT/MSP 66.00 DME, THENCE...

ANOKA COUNTY-BLAINE ARPT (JANES FIELD):

TAKEOFF ALL RUNWAYS: FLY ASSIGNED HEADING AND ALTITUDE FOR RADAR VECTORS TO MSP VOR/DME THEN VIA MSP R-232 TO SCHEP INT/MSP 66.00 DME, THENCE...

...VIA TRANSITION OR ASSIGNED ROUTE. EXPECT CLEARANCE TO FILED ALTITUDE/FLIGHT LEVEL 10 (TEN) MINUTES AFTER DEPARTURE.



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
SCHEP	SEVEN	SCHEP7.SCHEP	SIX	05/02/2013	22 AUG 2013

TRANSITION ROUTES (GRAPHIC DEPICTION ONLY):

Transition Name	Transition Computer Codes	From FIX/NAVAID	To FIX/NAVAID	Course	Distance	MEA	MOCA	Crossing Altitudes/Fixes
O'NEILL	SCHEP7.ONL	SCHEP INT	OTG VOR/DME	232.27 & 224.63 (MSP R-232 & OTG R-045)	59.87	9000		
		OTG VOR/DME	ONL VORTAC	235.74 & 231.62 (OTG R-236 & ONL R-052)	153.72	9000	3500	
WOLBACH	SCHEP7.OBH	SCHEP INT	OTG VOR/DME	232.27 & 224.63 (MSP R-232 & OTG R-045)	59.87	9000		
		OTG VOR/DME	OBH VORTAC	215.02 & 214.15 (OTG R-215 & OBH R-034)	183.51	16000	3800	OTG VOR/DME AT OR ABOVE 16000 (MRA)

PROCEDURAL DATA NOTES/TAKEOFF MINIMUMS:

NOTES: RADAR REQUIRED.

MINNEAPOLIS-ST PAUL INTL/WOLD CHAMBERLAIN:

DEPARTURE CROSSING RESTRICTIONS: RWY 12L/R DME AIRCRAFT REQUIRES AN ATC CLIMB GRADIENT OF 546 FT PER NM TO 3500. RWY 12L/R NON-DME AIRCRAFT REQUIRES AN ATC CLIMB GRADIENT OF 594 FT PER NM TO 3500. RWY 17 REQUIRES AN ATC CLIMB GRADIENT OF 465 FT PER NM TO 3500. RUNWAY 30 L/R REQUIRES AN ATC CLIMB GRADIENT OF 380 FT PER NM TO 3500.

TAKEOFF MINIMUMS: MINNEAPOLIS-ST PAUL INTL/WOLD CHAMBERLAIN: RWY 4, 12R, 17, 22, 30L, 30R, STANDARD. RWY 12L, 300-1 1/2 OR STANDARD WITH MINIMUM CLIMB OF 207 FT PER NM TO 1100, OR ALTERNATIVELY, WITH STANDARD TAKEOFF MINIMUMS AND A NORMAL 200 FT PER NM CLIMB GRADIENT, TAKEOFF MUST OCCUR NO LATER THAN 1300 FT PRIOR TO DER. RWY 35, STANDARD WITH MINIMUM CLIMB OF 219 FEET PER NM TO 2100.

ST PAUL DOWNTOWN HOLMAN FLD: RWY 31, NA - OBSTACLES. RWY 14, STANDARD. RWY 9, STANDARD WITH MINIMUM CLIMB OF 340 FT PER NM TO 1300. RWY 13, STANDARD WITH MINIMUM CLIMB OF 230 FT PER NM TO 1500. RWY 27, STANDARD WITH MINIMUM CLIMB OF 442 FT PER NM TO 1500. RWY 32, STANDARD WITH MINIMUM CLIMB OF 340 FT PER NM TO 3000.

FLYING CLOUD: RWY 10L, 10R, 18, 28L, 28R, 36, STANDARD.

ANOKA COUNTY-BLAINE ARPT (JANES FIELD): RWY 9, STANDARD WITH MINIMUM CLIMB OF 340 FT PER NM TO 3000. RWY 18, STANDARD WITH MINIMUM CLIMB OF 371 FT PER NM TO 3000. RWY 27, STANDARD WITH MINIMUM CLIMB OF 259 FT PER NM TO 2800. RWY 36, STANDARD WITH MINIMUM CLIMB OF 259 FT PER NM TO 2800.

QUALITY
CHECKED

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
SCHEP	SEVEN	SCHEP7.SCHEP	SIX	05/02/2013	22 AUG 2013

TAKEOFF OBSTACLES NOTES:

MINNEAPOLIS-ST PAUL INTL WOLD CHAMBERLAIN: NOTE: RWY 4, TREES BEGINNING 800 FT FROM DER, 301 FT LEFT OF CENTERLINE, UP TO 75 FT AGL/925 FT MSL. ROD ON BUILDING 2528 FT FROM DER, 1174 FT LEFT OF CENTERLINE, 78 FT AGL/922 FT MSL. FENCE BEGINNING 13 FT FROM DER, 486 FT LEFT OF CENTERLINE, UP TO 6 FT AGL/860 FT MSL. STACK 4535 FT FROM DER, 480 FT LEFT OF CENTERLINE, 139 FT AGL/949 FT MSL. NOTE: RWY 12L, TREE 1.1 NM FROM DER, 1691 FT LEFT OF CENTERLINE, 92 FT AGL/991 FT MSL. LT POLE AND CAMERA ON WALL BEGINNING 398 FT FROM DER, 561 FT RIGHT OF CENTERLINE, UP TO 23 FT AGL/832 FT MSL. NOTE: RWY 12R, TREE 1479 FT FROM DER, 561 FT LEFT OF CENTERLINE, 86 FT AGL/855 FT MSL. OL ON POLE 1002 FT FROM DER, 753 FT LEFT OF CENTERLINE, 53 FT AGL/852 FT MSL. NOTE: RWY 17, POLE 409 FT FROM DER, 530 FT RIGHT OF CENTERLINE, 29 FT AGL/866 FT MSL. BUILDING 2619 FT FROM DER, 881 FT LEFT OF CENTERLINE, 97 FT AGL/918 FT MSL. BUILDING 1956 FT FROM DER, 904 FT LEFT OF CENTERLINE, 61 FT AGL/866 FT MSL. TREE 2619 FT FROM DER, ON CENTERLINE, 79 FT AGL/900 FT MSL. NOTE: RWY 22, TREES BEGINNING 2659 FT FROM DER, 867 FT RIGHT OF CENTERLINE, 94 FT AGL/934 FT MSL. NOTE: RWY 30L, ANTENNA ON TOWER 3555 FT FROM DER, 1334 FT LEFT OF CENTERLINE, 116 FT AGL/935 FT MSL. NOTE: RWY 30R, BILLBOARD SIGN 1463 FT FROM DER, 848 FT RIGHT OF CENTERLINE, 31 FT AGL/880 FT MSL. NOTE: RWY 35, TREES BEGINNING 2553 FT FROM DER, 770 FT RIGHT OF CENTERLINE, 100 FT AGL/919 FT MSL. TREES BEGINNING 1989 FT FROM DER, 194 FT LEFT OF CENTERLINE, UP TO 87 FT AGL/906 FT MSL. BUILDINGS BEGINNING 5.4 NM FROM DER, 1781 FT LEFT OF CENTERLINE, UP TO 889 FT AGL/1743 FT MSL.

ST PAUL DOWNTOWN HOLMAN FLD: NOTE: RWY 9, MOBILE CRANE 1362 FT FROM DER, 124 FT LEFT OF CENTERLINE, 68 FT AGL/758 FT MSL. TREES AND SILO 1464 FT FROM DER, 178 FT RIGHT OF CENTERLINE, UP TO 116 FT AGL/816 FT MSL. TREES AND POLE BEGINNING 1.1 NM FROM DER, LEFT AND RIGHT OF CENTERLINE, UP TO 100 FT AGL/1099 FT MSL. NOTE: RWY 13, TREE AND A TOWER BEGINNING 1125 FT FROM DER, 609 FT LEFT OF CENTERLINE, UP TO 67 FT AGL/767 FT MSL. TREE, POLE, VENT ON BUILDING, STACKS, AND OL ON STACK BEGINNING 1672 FT FROM DER, 55 FT RIGHT OF CENTERLINE, UP TO 120 FT AGL/820 FT MSL. TREES BEGINNING 1.9 NM FROM DER, 2938 FT LEFT OF CENTERLINE, UP TO 100 FT AGL/1020 FT MSL. NOTE: RWY 14, TREES, OL ON DME ANTENNA, AND POLE BEGINNING 290 FT FROM DER, 1 FT RIGHT OF CENTERLINE, UP TO 129 FT AGL/819 FT MSL. TREES AND POLE BEGINNING 1099 FT FROM DER, 6 FT LEFT OF CENTERLINE, UP TO 87 FT AGL/777 FT MSL. NOTE: RWY 27, TREES, LIGHT POLE, AND FLAGPOLE BEGINNING 617 FT FROM DER, 198 FT LEFT OF CENTERLINE, UP TO 119 FT AGL/829 FT MSL. OL ON ANT, BLDGS, TOWER, AND A TREE BEGINNING 810 FT FROM DER, 26 FT RIGHT OF CENTERLINE, UP TO 165 FT AGL/955 FT MSL. TREES AND A BLDG BEGINNING 3886 FT FROM DER, 120 FT LEFT OF CENTERLINE, UP TO 84 FT AGL/ 1014 FT MSL. TOWER 1.7 NM FROM DER, 633 FT LEFT OF CENTERLINE, 569 FT AGL/1279 FT MSL. NOTE: RWY 32, VEHICLE ON ROAD, TREES, RAILROAD, POLES, AND NAVAID BEGINNING 179 FT FROM DER, 267 FT RIGHT OF CENTERLINE, UP TO 58 FT AGL/758 FT MSL. VEHICLE ON ROAD, RAILROAD, AND TREES BEGINNING 192 FT FROM DER, UP TO 59 FT AGL/759 FT MSL. NAVAID 257 FT FROM DER, ON CENTERLINE, 26 FT AGL/726 FT MSL. TREES, POLES, BUILDINGS, AND TOWER BEGINNING 3674 FT FROM DER, 616 FT RIGHT OF CENTERLINE, UP TO 157 FT AGL/ 973 FT MSL. TREES, BUILDINGS, TOWER, SIGN, AND STACK BEGINNING 1924 FT FROM DER, 378 FT LEFT OF CENTERLINE, UP TO 143 FT AGL/969 FT MSL.

FLYING CLOUD: NOTE: RWY 10L, MULTIPLE ANTENNA'S ON HANGAR'S BEGINNING 270 FT FROM DER, 330 FT LEFT OF CENTERLINE, UP TO 26 FT AGL/932 FT MSL. TREE 682 FT FROM DER, 668 FT RIGHT OF CENTERLINE, 26 FT AGL/932 FT MSL. NOTE: RWY 10R, MULTIPLE OL ON POLES BEGINNING 287 FT FROM DER, 345 FT RIGHT OF CENTERLINE, UP TO 36 FT AGL/939 FT MSL. HANGAR 150 FT FROM DER, 422 FT RIGHT OF CENTERLINE, 21 FT AGL/920 FT MSL. ANTENNA ON BLDG, 536 FT FROM DER, 263 FT RIGHT OF CENTERLINE, 14 FT AGL/913 FT MSL. NOTE: RWY 18, MULTIPLE TREES BEGINNING 338 FT FROM DER, 166 FT LEFT OF CENTERLINE, UP TO 62 FT AGL/961 FT MSL. OL ON FENCE 176 FT FROM DER, 127 FT LEFT OF CENTERLINE, 10 FT AGL/910 FT MSL. VEHICLE AND ROAD 198 FT FROM DER, 196 FT LEFT OF CENTERLINE, 15 FT AGL/918 FT MSL. FLOODLIGHT 148 FT FROM DER, 374 FT RIGHT OF CENTERLINE, 38 FT AGL/938 FT MSL. OL ON HANGAR 282 FT FROM DER, 317 FT RIGHT OF CENTERLINE, 37 FT AGL/937 FT MSL. NOTE: RWY 28R, HANGAR 259 FT FROM DER, 355 FT RIGHT OF CENTERLINE, 18 FT AGL/931 FT MSL. NOTE: RWY 36, WIND VANE 923 FT FROM DER, 404 FT LEFT OF CENTERLINE, 61 FT AGL/960 FT MSL. VENT ON BLDG 943 FT FROM DER, 295 FT LEFT OF CENTERLINE, 44 FT AGL/943 FT MSL. POLE 714 FT FROM DER, 351 FT LEFT OF CENTERLINE, 33 FT AGL/932 FT MSL. MULTIPLE TREES BEGINNING 504 FT FROM DER, 324 FT RIGHT OF CENTERLINE, UP TO 67 FT AGL/966 FT MSL.

ANOKA COUNTY-BLAINE ARPT (JANES FIELD): NOTE: RWY 9, TANK AND MULTIPLE TREES BEGINNING 822 FT FROM DER, 619 FT RIGHT OF CENTERLINE, UP TO 170 FT AGL/1082 FT MSL. TREES 2248 FT FROM DER, 966 FT LEFT OF CENTERLINE, 100 FT AGL/1009 FT MSL. NOTE: RWY 18, AIRCRAFT ON TAXIWAY 36 FT FROM DER, 481 FT RIGHT OF CENTERLINE, UP TO 21 FT AGL/928 FT MSL. MULTIPLE TREES BEGINNING 406 FT FROM DER, 287 FT LEFT OF CENTERLINE, UP TO 49 FT AGL/959 FT MSL. TOWER 5016 FT FROM DER, 201 FT LEFT OF CENTERLINE, 120 FT AGL/1078 FT MSL. NOTE: RWY 27, MULTIPLE TREES BEGINNING 7 FT FROM DER, 235 FT RIGHT OF CENTERLINE, UP TO 83 FT AGL/983 FT MSL. MULTIPLE TREES BEGINNING 558 FT FROM DER, 406 FT LEFT OF CENTERLINE, UP TO 57 FT AGL/957 FT MSL. NOTE: RWY 36, MULTIPLE TREES BEGINNING 86 FT FROM DER, 10 FT RIGHT OF CENTERLINE, UP TO 87 FT AGL/987 FT MSL. MULTIPLE TREES BEGINNING 1282 FT FROM DER, 53 FT LEFT OF CENTERLINE, UP TO 70 FT AGL/970 FT MSL.

QUALITY
CHECKED

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
SCHEP	SEVEN	SCHEP7.SCHEP	SIX	05/02/2013	22 AUG 2013

CONTROLLING OBSTACLES:

MINNEAPOLIS-ST PAUL INTL/WOLD CHAMBERLAIN: RWY 12L: 991 FT MSL TREE 445233.26N/0931008.66W. RWY 35: 1743 FT MSL BLDG 445834.00N/0931621.00W.

ST PAUL DOWNTOWN HOLMAN FLD: RWY 9: 1099 FT MSL TREE 445605.23N/0930103.53W, RWY 13: 1238 FT MSL TOWER 450330.00N/0930728.00W, RWY 14: 1239 FT MSL AAO 445345.20N/0925922.28W, RWY 27: 1279 FT MSL ROD ON STACK 445600.44N/0930631.02W, 2438 FT MSL TOWER 450345.00N/0930822.00W RWY 32: 973 FT MSL POLE 445730.00N/0930432.00W, 2376 FT MSL TOWER 450330.00N/0930728.00W

ANOKA COUNTY-BLAINE ARPT (JANE FIELD): RWY 9: 1082 FT MSL TANK 450827.28N/0931028.46W, 2438 FT MSL TOWER 450345.00N/0930822.00W. RWY 18: 1078 FT MSL TOWER 450728.60N/0931234.40W. RWY: 27, 36: 2438 FT MSL TOWER 450345.00N/0930822.00W.

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

CHART ALTITUDE AT OR ABOVE 3100 AT ARREX.
CHART ALTITUDE AT OR ABOVE 7000 AT SCHEP.
CHART RWF R-108/30:92 AT SCHEP.
CHART COP AT OTG R-236/60.00 & ONL R-052/93.72.
CHART COP AT OTG R-215/40.00 & OBH R-034/143.51.
CHART COP AT OTG R-045/25.00 & MSP R-232/100.87.
CHART FCM VOR/DME ON MINNEAPOLIS ST-PAUL INTL/WOLD CHAMBERLAIN ONLY.

AIRPORTS SERVED:

MINNEAPOLIS-ST PAUL INTL/WOLD CHAMBERLAIN
ST PAUL DOWNTOWN HOLMAN FLD
FLYING CLOUD
ANOKA COUNTY-BLAINE ARPT (JANES FIELD)

MINNEAPOLIS, MN.
ST. PAUL, MN.
MINNEAPOLIS, MN.
MINNEAPOLIS, MN.

COMMUNICATIONS:

ATIS, CLEARANCE DELIVERY, DEPARTURE CONTROL SOUTH OR EAST, DEPARTURE CONTROL NORTH OR WEST

FIXES AND/OR NAVAIDS:

HUGIR, MCONL, ARREX, FCM VOR/DME

QUALITY
CHECKED

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
SCHEP	SEVEN	SCHEP7.SCHEP	SIX	05/02/2013	22 AUG 2013

REMARKS:

REQUIRED EFFECTIVE DATE:

ROUTINE

CHANGES:

1. TAKEOFF MINIMUMS: MINNEAPOLIS-ST PAUL INTL WOLD CHAMBERLAIN: ADDED RWY 35, STANDARD WITH MINIMUM CLIMB OF 219 FEET PER NM TO 2100.

REASONS:

1. TO MATCH FORM 8260.15A



DEPARTURE (DATA RECORD)

DP Name	Number	DP Computer Code	Superseded Number	Dated	Effective Date
SCHEP	SEVEN	SCHEP7.SCHEP	SIX	05/02/2013	22 AUG 2013

ARINC PACKET - 424-18 - SID

	1	2	3	4	5	6	7	8	9	0	1	2	3
NAVAID	1234567890	1234567890	1234567890	1234567890	1234567890	1234567890	1234567890	1234567890	1234567890	1234567890	1234567890	1234567890	1234567890
SUSAD	MSP	K3011530VDLW	N44534740W093141153		N44534740W093141153E0020008331					NARMINNEAPOLIS			
SUSAD	OBH	K3011480VTH	N41223265W098211294		N41223265W098211294E0070020102					NARWOLBACH			
SUSAD	ONL	K3011390VTHA	N42281380W098411294		N42281380W098411294E0100020282					NARO'NEILL			
SUSAD	OTG	K3011060VDLA	N43384890W095345505		N43384839W095345460E0080015951					NARWORTHINGTON			

[illegible][illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP	KSTPK3DSCHEP71RW09	010		0	VA		0877		+	01400		18000	
SUSAP	KSTPK3DSCHEP71RW09	020		0	VM		0877						
SUSAP	KSTPK3DSCHEP71RW09	030MSP	K3D	0VE	DF								
SUSAP	KSTPK3DSCHEP71RW13	010		0	VA		1247		+	01300		18000	
SUSAP	KSTPK3DSCHEP71RW13	020		0	VM		1247						
SUSAP	KSTPK3DSCHEP71RW13	030MSP	K3D	0VE	DF								
SUSAP	KSTPK3DSCHEP71RW14	010		0	VA		1430		+	01400		18000	
SUSAP	KSTPK3DSCHEP71RW14	020		0	VM		1430						
SUSAP	KSTPK3DSCHEP71RW14	030MSP	K3D	0VE	DF								
SUSAP	KSTPK3DSCHEP71RW27	010		0	VA		2677		+	01700		18000	
SUSAP	KSTPK3DSCHEP71RW27	020		0	VM		2677						
SUSAP	KSTPK3DSCHEP71RW27	030MSP	K3D	0VE	DF								
SUSAP	KSTPK3DSCHEP71RW32	010		0	VA		3230		+	01400		18000	
SUSAP	KSTPK3DSCHEP71RW32	020		0	VM		3230						
SUSAP	KSTPK3DSCHEP71RW32	030MSP	K3D	0VE	DF								
SUSAP	KSTPK3DSCHEP72	010MSP	K3D	0V	IF							18000	
SUSAP	KSTPK3DSCHEP72	020HUGIRK3EA0E			TF								
SUSAP	KSTPK3DSCHEP72	030MCONLK3EA0E			TF								
SUSAP	KSTPK3DSCHEP72	040ARREXK3EA0E			TF				+	03100			
SUSAP	KSTPK3DSCHEP72	050SCHEPK3EA0EE			TF				+	07000			

QUALITY
1
CHECKED

DP Name	Number	DP Computer Code	Superseded Number	Dated	Effective Date
SCHEP	SEVEN	SCHEP7.SCHEP	SIX	05/02/2013	22 AUG 2013

QUALITY
1
CHECKED

DEPARTURE (DATA RECORD)

DP Name	Number	DP Computer Code	Superseded Number	Dated	Effective Date
SCHEP	SEVEN	SCHEP7.SCHEP	SIX	05/02/2013	22 AUG 2013

ARINC SUMMARY - 424-18 - SID

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
	RW09		010		VA		FB		087.7()		AA 01400	
	RW09		020		VM		FB		087.7()			
	RW09	MSP	030		DF		FB					
	RW13		010		VA		FB		124.7()		AA 01300	
	RW13		020		VM		FB		124.7()			
	RW13	MSP	030		DF		FB					
	RW14		010		VA		FB		143.0()		AA 01400	
	RW14		020		VM		FB		143.0()			
	RW14	MSP	030		DF		FB					
	RW27		010		VA		FB		267.7()		AA 01700	
	RW27		020		VM		FB		267.7()			
	RW27	MSP	030		DF		FB					
	RW32		010		VA		FB		323.0()		AA 01400	
	RW32		020		VM		FB		323.0()			
	RW32	MSP	030		DF		FB					
		MSP	010		IF		FB					
		HUGIR	020		TF		FB					
		MCONL	030		TF		FB					
		ARREX	040		TF		FB				AA 03100	
		SCHEP	050		TF		FB				AA 07000	
	OBH	SCHEP	010		IF		FB				AA 07000	
	OBH	OTG	020		TF		FB					
	OBH	OBH	030		TF		FB					
	ONL	SCHEP	010		IF		FB				AA 07000	
	ONL	OTG	020		TF		FB					
	ONL	ONL	030		TF		FB					

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	MSP	N445347.40	W0931411.53	N4453.790	W09314.192
	OBH	N412232.65	W0982112.94	N4122.544	W09821.216
	ONL	N422813.80	W0984112.94	N4228.230	W09841.216
	OTG	N433848.90	W0953455.05	N4338.815	W09534.918
	ARREX	N442532.63	W0940833.99	N4425.544	W09408.567
	HUGIR	N444204.34	W0933657.24	N4442.072	W09336.954
	MCONL	N443500.33	W0935032.26	N4435.006	W09350.538
	SCHEP	N441450.23	W0942843.65	N4414.837	W09428.728
	RW09	N445605.51	W0930405.24	N4456.092	W09304.087
	RW13	N445621.07	W0930354.24	N4456.351	W09303.904
	RW14	N445625.31	W0930401.44	N4456.422	W09304.024
	RW27	N445605.09	W0930314.62	N4456.085	W09303.244
	RW32	N445538.09	W0930316.66	N4455.635	W09303.278

QUALITY
1
CHECKED

DEPARTURE (DATA RECORD)

DP Name	Number	DP Computer Code	Superseded Number	Dated	Effective Date
SCHEP	SEVEN	SCHEP7.SCHEP	SIX	05/02/2013	22 AUG 2013

RUNWAY DATA

RWY	THRESHOLD ELEVATION	TCH
RW09	00701	50
RW13	00705	40
RW14	00705	53
RW27	00701	40
RW32	00704	40

QUALITY
1
CHECKED

DP Name	Number	DP Computer Code	Superseded Number	Dated	Effective Date
SCHEP	SEVEN	SCHEP7.SCHEP	SIX	05/02/2013	22 AUG 2013

NAVAID	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAD	MSP	K3011530VDLW	N44534740W093141153	N44534740W093141153E0020008331	NARMINNEAPOLIS								
SUSAD	OBH	K3011480VTH	N41223265W098211294	N41223265W098211294E0070020102	NARWOLBACH								
SUSAD	ONL	K3011390VTHA	N42281380W098411294	N42281380W098411294E0100020282	NARO'NEILL								
SUSAD	OTG	K3011060VDLA	N43384890W095345505	N43384839W095345460E0080015951	NARWORTHINGTON								

[illegible][illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP	KFCMK3	DSCH	EP72	ALL	010MSP	K3D	0V	IF		18000			
SUSAP	KFCMK3	DSCH	EP72	ALL	020HUGIRK3	EA0E	TF						
SUSAP	KFCMK3	DSCH	EP72	ALL	030MCONLK3	EA0E	TF						
SUSAP	KFCMK3	DSCH	EP72	ALL	040ARREXK3	EA0E	TF		+ 03100				
SUSAP	KFCMK3	DSCH	EP72	ALL	050SCHEPK3	EA0EE	TF		+ 07000				
SUSAP	KFCMK3	DSCH	EP73	OBH	010SCHEPK3	EA0E	IF		+ 07000	18000			
SUSAP	KFCMK3	DSCH	EP73	OBH	020OTG	K3D	0V	TF					
SUSAP	KFCMK3	DSCH	EP73	OBH	030OBH	K3D	0VE	TF					
SUSAP	KFCMK3	DSCH	EP73	ONL	010SCHEPK3	EA0E	IF		+ 07000	18000			
SUSAP	KFCMK3	DSCH	EP73	ONL	020OTG	K3D	0V	TF					
SUSAP	KFCMK3	DSCH	EP73	ONL	030ONL	K3D	0VE	TF					

[illegible]

QUALITY
1
CHECKED

DEPARTURE (DATA RECORD)

DP Name	Number	DP Computer Code	Superseded Number	Dated	Effective Date
SCHEP	SEVEN	SCHEP7.SCHEP	SIX	05/02/2013	22 AUG 2013

SUSAP KFCMK3GRW36 0026910030 N44491772W093271960-0200 +0249100905000031075R

QUALITY
1
CHECKED

DEPARTURE (DATA RECORD)

DP Name	Number	DP Computer Code	Superseded Number	Dated	Effective Date
SCHEP	SEVEN	SCHEP7.SCHEP	SIX	05/02/2013	22 AUG 2013

ARINC SUMMARY - 424-18 - SID

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
	ALL	MSP	010		IF		FB					
	ALL	HUGIR	020		TF		FB					
	ALL	MCONL	030		TF		FB					
	ALL	ARREX	040		TF		FB				AA 03100	
	ALL	SCHEP	050		TF		FB				AA 07000	
	OBH	SCHEP	010		IF		FB				AA 07000	
	OBH	OTG	020		TF		FB					
	OBH	OBH	030		TF		FB					
	ONL	SCHEP	010		IF		FB				AA 07000	
	ONL	OTG	020		TF		FB					
	ONL	ONL	030		TF		FB					

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	MSP	N445347.40	W0931411.53	N4453.790	W09314.192
	OBH	N412232.65	W0982112.94	N4122.544	W09821.216
	ONL	N422813.80	W0984112.94	N4228.230	W09841.216
	OTG	N433848.90	W0953455.05	N4338.815	W09534.918
	ARREX	N442532.63	W0940833.99	N4425.544	W09408.567
	HUGIR	N444204.34	W0933657.24	N4442.072	W09336.954
	MCONL	N443500.33	W0935032.26	N4435.006	W09350.538
	SCHEP	N441450.23	W0942843.65	N4414.837	W09428.728
	RW10L	N444946.79	W0932754.22	N4449.780	W09327.904
	RW10R	N444944.58	W0932814.54	N4449.743	W09328.242
	RW18	N444944.15	W0932715.69	N4449.736	W09327.262
	RW28L	N444935.14	W0932706.45	N4449.586	W09327.108
	RW28R	N444939.44	W0932701.10	N4449.657	W09327.018
	RW36	N444917.72	W0932719.60	N4449.295	W09327.327

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW10L	00906	45
	RW10R	00896	42
	RW18	00899	37
	RW28L	00898	55
	RW28R	00899	45
	RW36	00905	31

QUALITY
1
CHECKED

DP Name	Number	DP Computer Code	Superseded Number	Dated	Effective Date
SCHEP	SEVEN	SCHEP7.SCHEP	SIX	05/02/2013	22 AUG 2013

NAVAID	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAD	MSP	K3011530VDLW	N44534740W093141153		N44534740W093141153	E0020008331		NARMINNEAPOLIS					
SUSAD	OBH	K3011480VTH	N41223265W098211294		N41223265W098211294	E0070020102		NARWOLBACH					
SUSAD	ONL	K3011390VTHA	N42281380W098411294		N42281380W098411294	E0100020282		NARO'NEILL					
SUSAD	OTG	K3011060VDLA	N43384890W095345505		N43384839W095345460	E0080015951		NARWORTHINGTON					

[illegible][illegible][illegible][illegible]

QUALITY
1
CHECKED

DEPARTURE (DATA RECORD)

DP Name	Number	DP Computer Code	Superseded Number	Dated	Effective Date
SCHEP	SEVEN	SCHEP7.SCHEP	SIX	05/02/2013	22 AUG 2013

ARINC SUMMARY - 424-18 - SID

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
	ALL	MSP	010		IF		FB					
	ALL	HUGIR	020		TF		FB					
	ALL	MCONL	030		TF		FB					
	ALL	ARREX	040		TF		FB				AA 03100	
	ALL	SCHEP	050		TF		FB				AA 07000	
	OBH	SCHEP	010		IF		FB				AA 07000	
	OBH	OTG	020		TF		FB					
	OBH	OBH	030		TF		FB					
	ONL	SCHEP	010		IF		FB				AA 07000	
	ONL	OTG	020		TF		FB					
	ONL	ONL	030		TF		FB					

POINT DATA

WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
MSP	N445347.40	W0931411.53	N4453.790	W09314.192
OBH	N412232.65	W0982112.94	N4122.544	W09821.216
ONL	N422813.80	W0984112.94	N4228.230	W09841.216
OTG	N433848.90	W0953455.05	N4338.815	W09534.918
ARREX	N442532.63	W0940833.99	N4425.544	W09408.567
HUGIR	N444204.34	W0933657.24	N4442.072	W09336.954
MCONL	N443500.33	W0935032.26	N4435.006	W09350.538
SCHEP	N441450.23	W0942843.65	N4414.837	W09428.728
RW09	N450841.35	W0931312.28	N4508.689	W09313.205
RW18	N450906.08	W0931235.57	N4509.101	W09312.593
RW27	N450840.74	W0931202.53	N4508.679	W09312.042
RW36	N450818.15	W0931236.37	N4508.303	W09312.606

RUNWAY DATA

RWY	THRESHOLD ELEVATION	TCH
RW09	00905	40
RW18	00912	50
RW27	00909	50
RW36	00910	50

QUALITY
1
CHECKED