

**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DP Name	Number	DP Computer Code	Superseded Number	Dated	Effective Date
ORSKY	EIGHT	ORSKY8.ORSKY	SEVEN	08/22/2013	6 FEB 2014

**TYPE:** SID

**DP ROUTE DESCRIPTION:**

**MINNEAPOLIS-ST PAUL INTL/WOLD-CHAMBERLAIN:**

**TAKEOFF ALL RWYS:** FLY ASSIGNED HEADING FOR RADAR VECTORS TO MSP R-208 TO ORSKY INT/MSP 85.00 DME. TURBOJET AIRCRAFT MAINTAIN 7000 OR LOWER ASSIGNED ALTITUDE, ALL OTHER AIRCRAFT MAINTAIN 5000 OR LOWER ASSIGNED ALTITUDE.

**TAKEOFF RWY 4:** CLIMB HEADING 045.00 TO 2100 BEFORE TURNING LEFT.

**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:** 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 RWYS 22, 35:** INITIALLY ASSIGNED HEADING, THENCE...

**TAKEOFF RWYS 30L/R:** 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...

**ST PAUL DOWNTOWN HOLMAN FLD:**

**TAKEOFF RWY 9:** CLIMB HEADING 087.66 TO 1400 FOR RADAR VECTORS TO MSP VOR/DME THEN ON MSP R-208 TO ORSKY INT/MSP 85.00 DME, THENCE...

**TAKEOFF RWY 13:** CLIMB HEADING 124.74 TO 1300 FOR RADAR VECTORS TO MSP VOR/DME THEN ON MSP R-208 TO ORSKY INT/MSP 85.00 DME, THENCE...

**TAKEOFF RWY 14:** CLIMB HEADING 143.03 TO 1400 FOR RADAR VECTORS TO MSP VOR/DME THEN ON MSP R-208 TO ORSKY INT/MSP 85.00 DME, THENCE...

**TAKEOFF RWY 27:** CLIMB HEADING 267.67 TO 1700 FOR RADAR VECTORS TO MSP VOR/DME THEN ON MSP R-208 TO ORSKY INT/MSP 85.00 DME, THENCE...

**TAKEOFF RWY 32:** CLIMB HEADING 323.04 TO 1400 FOR RADAR VECTORS TO MSP VOR/DME THEN ON MSP R-208 TO ORSKY INT/MSP 85.00 DME, THENCE...

**FLYING CLOUD:**

**TAKEOFF ALL RWYS:** FLY ASSIGNED HEADING AND ALTITUDE FOR RADAR VECTORS TO MSP VOR/DME THEN ON MSP R-208 TO ORSKY INT/MSP 85.00 DME, THENCE...

**ANOKA COUNTY-BLAINE ARPT (JANES FIELD):**

**TAKEOFF RWYS 9, 18, 27:** FLY ASSIGNED HEADING AND ALTITUDE FOR RADAR VECTORS TO MSP VOR/DME THEN ON MSP R-208 TO ORSKY INT/MSP 85.00 DME, THENCE...

**TAKEOFF RWY 36:** CLIMB HEADING 358.68 TO 1700 BEFORE PROCEEDING SOUTHEAST BOUND FOR RADAR VECTORS TO MSP VOR/DME THEN ON MSP R-208 TO ORSKY INT/MSP 85.00 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
ORSKY	EIGHT	ORSKY8.ORSKY	SEVEN	08/22/2013	6 FEB 2014

**TRANSITION ROUTES (GRAPHIC DEPICTION ONLY):**

Transition Name	Transition Computer Codes	From FIX/NAVAID	To FIX/NAVAID	Course	Distance	MEA	MOCA	Crossing Altitudes/Fixes
FORT DODGE	ORSKY8.FOD	ORSKY INT	FOD VORTAC	175.82 (FOD R-356)	63.58	9000	2900	
OMAHA	ORSKY8.OVR	ORSKY INT	ONTIJ INT	208.36 (MSP R-208)	25.66	9000	2800	ONTIJ AT/ABOVE 12000
		ONTIJ INT	GOOLD INT	194.70 (OVR R-015)	22.18	12000	3000	(MRA)
		GOOLD INT	SIMJI INT	194.70 (OVR R-015)	8.66			
		SIMJI INT	EYHUX INT	194.70 (OVR R-015)	25.49			
		EYHUX INT	PUMKN INT	194.70 (OVR R-015)	38.67			
		PUMKN INT	OVR VORTAC	194.70 (OVR R-015)	43.92			

**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. RWY 30L/R REQUIRES AN ATC CLIMB GRADIENT OF 380 FT PER NM TO 3500. (CHART ON MSP ONLY).

**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 ALTERNATELY, 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 FT 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, 600-2 OR 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.

**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.

QUALITY  
6  
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
ORSKY	EIGHT	ORSKY8.ORSKY	SEVEN	08/22/2013	6 FEB 2014

**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, UP TO 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, UP TO 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 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 TREE BEGINNING 810 FT FROM DER, 26 FT RIGHT OF CENTERLINE, UP TO 165 FT AGL/955 FT MSL. TREES AND 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, TREE, BUILDINGS, AND POLES BEGINNING 78 FT FROM DER, 346 FT LEFT OF CENTERLINE, UP TO 45 FT AGL/945 FT MSL. VEHICLE ON ROAD, SIGN, AND TREES BEGINNING 645 FT FROM DER, 442 FT RIGHT OF CENTERLINE, UP TO 37 FT AGL/937 FT MSL. NOTE: RWY 10R, BUILDINGS BEGINNING 260 FT FROM DER, 321 FT RIGHT OF CENTERLINE, UP TO 40 FT AGL/943 FT MSL. TREES, POLES, AND GENERAL UTILITY BEGINNING 331 FT FROM DER, 106 FT RIGHT OF CENTERLINE, UP TO 38 FT AGL/939 FT MSL. NOTE: RWY 18, BUILDINGS BEGINNING 212 FT FROM DER, 318 FT RIGHT OF CENTERLINE, UP TO 34 FT AGL/938 FT MSL. VEHICLE ON ROAD 262 FT FROM DER, 195 FT LEFT OF CENTERLINE, 15 FT AGL/918 FT MSL. TREES BEGINNING 401 FT FROM DER, 165 FT LEFT OF CENTERLINE, UP TO 51 FT AGL/961 FT MSL. NOTE: RWY 28R, TREE, BUILDINGS, AND GENERAL UTILITY BEGINNING 105 FT FROM DER, 353 FT RIGHT OF CENTERLINE, UP TO 38 FT AGL/938 FT MSL. NOTE: RWY 36, BUILDING 3 FT FROM DER, 478 FT LEFT OF CENTERLINE, 18 FT AGL/920 FT MSL. TREES BEGINNING 426 FT FROM DER, 323 FT RIGHT OF CENTERLINE, UP TO 61 FT AGL/951 FT MSL. TREES, BUILDINGS, POLES AND WINDMILL BEGINNING 541 FT FROM DER, 302 FT LEFT OF CENTERLINE, UP TO 59 FT AGL/960 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, UP TO 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.**

**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.**

QUALITY  
6  
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
ORSKY	EIGHT	ORSKY8.ORSKY	SEVEN	08/22/2013	6 FEB 2014

**ST PAUL DOWNTOWN HOLMAN FLD:**

RWY 9: 1099 FT MSL TREE 445605.23N/0930103.53W.

RWY 13: 1238 FT MSL TOWER 445440.64N/0925910.72W. 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 (JANES 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, 2438 FT MSL TOWER 450345.00N/0930822.00W.

RWY 27, 36: 2438 FT MSL TOWER 450345.00N/0930822.00W.

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

CHART FGT R-258 AT JURNY, FOW R-318 AT RUMLE, FOW R-268 AT PEDLN, FRM R-074 AT ORSKY AND MCW R-278 AT ONTIJ.

**AIRPORTS SERVED:**

MINNEAPOLIS-ST PAUL INTERNATIONAL/WOLD CHAMBERLAIN AIRPORT  
ST PAUL DOWNTOWN HOLMAN FLD  
FLYING CLOUD  
ANOKA COUNTY-BLAINE AIRPORT (JANES FLD)

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

**COMMUNICATIONS:**

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

**FIXES AND/OR NAVAIDS:**

QUALITY  
6  
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
ORSKY	EIGHT	ORSKY8.ORSKY	SEVEN	08/22/2013	6 FEB 2014

**REMARKS:****CHANGES:**

1. FLYING CLOUD: RWY 18/36: RWY 18 BEING EXTENDED AND RWY 36 SHORTENED. NO CHANGE IN DISTANCE; LENGTH STILL 2691 FT.
2. FLYING CLOUD: UPDATED ALL LOW, CLOSE-IN OBSTACLE NOTES.
3. FLYING CLOUD: REMOVED LOW, CLOSE-IN OBSTACLE NOTES FROM RWY 28L.
4. DELETED REFERENCE MAG VAR REMARK UNDER ADDITIONAL FLIGHT DATA.

**REASONS:**

1. AIRPORT CONSTRUCTION PER FPT.
2. NEW OBSTACLE DATA.
3. RWY 28L CLEAR OF OBSTACLES.
4. ERRONEOUSLY ADDED IN PREVIOUS AMENDMENTS; ONLY REQUIRED ON RNAV SIDS.

DP Name	Number	DP Computer Code	Superseded Number	Dated	Effective Date
ORSKY	EIGHT	ORSKY8.ORSKY	SEVEN	08/22/2013	6 FEB 2014

[illegible]

DP Name	Number	DP Computer Code	Superseded Number	Dated	Effective Date
ORSKY	EIGHT	ORSKY8.ORSKY	SEVEN	08/22/2013	6 FEB 2014

[illegible]

## DEPARTURE (DATA RECORD)

DP Name	Number	DP Computer Code	Superseded Number	Dated	Effective Date
ORSKY	EIGHT	ORSKY8.ORSKY	SEVEN	08/22/2013	6 FEB 2014

ARINC SUMMARY - 424-18 - SID

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
	RW09		010		VM		FB		088.7()			
	RW09	MSP	020		DF		FB					
	RW09	JURNY	030		TF		FB					
	RW09	RUMLE	040		TF		FB					
	RW09	PEDLN	050		TF		FB					
	RW09	ORSKY	060		TF		FB					
	RW18		010		VM		FB		178.7()			
	RW18	MSP	020		DF		FB					
	RW18	JURNY	030		TF		FB					
	RW18	RUMLE	040		TF		FB					
	RW18	PEDLN	050		TF		FB					
	RW18	ORSKY	060		TF		FB					
	RW27		010		VM		FB		268.7()			
	RW27	MSP	020		DF		FB					
	RW27	JURNY	030		TF		FB					
	RW27	RUMLE	040		TF		FB					
	RW27	PEDLN	050		TF		FB					
	RW27	ORSKY	060		TF		FB					
	RW36		010		VA		FB		358.7()		AA 01700	
	RW36		020		VM		FB		358.7()			
	RW36	MSP	030		DF		FB					
	RW36	JURNY	040		TF		FB					
	RW36	RUMLE	050		TF		FB					
	RW36	PEDLN	060		TF		FB					
	RW36	ORSKY	070		TF		FB					
	FOD	ORSKY	010		IF		FB					
	FOD	FOD	020		TF		FB					
	OVR	ORSKY	010		IF		FB					
	OVR	ONTIJ	020		TF		FB					
	OVR	GOOLD	030		TF		FB					
	OVR	SIMJI	040		TF		FB					
	OVR	EYHUX	050		TF		FB					
	OVR	PUMKN	060		TF		FB					
	OVR	OVR	070		TF		FB					

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	FOD	N423640.05	W0941741.34	N4236.668	W09417.689
	MSP	N445347.40	W0931411.53	N4453.790	W09314.192
	OVR	N411001.80	W0954412.67	N4110.030	W09544.211
	EYHUX	N422608.02	W0950109.77	N4226.134	W09501.163
	GOOLD	N425730.91	W0944251.04	N4257.515	W09442.851



## DEPARTURE (DATA RECORD)

DP Name	Number	DP Computer Code	Superseded Number	Dated	Effective Date
ORSKY	EIGHT	ORSKY8.ORSKY	SEVEN	08/22/2013	6 FEB 2014

JURNY	N443631.14	W0932820.53	N4436.519	W09328.342
ONTIJ	N431751.48	W0943046.46	N4317.858	W09430.774
ORSKY	N434011.13	W0941322.92	N4340.186	W09413.382
PEDLN	N441209.58	W0934801.40	N4412.160	W09348.023
PUMKN	N415032.36	W0952131.40	N4150.539	W09521.523
RUMLE	N442516.61	W0933727.90	N4425.277	W09337.465
SIMJI	N424933.63	W0944731.30	N4249.561	W09447.522
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

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

DP Name	Number	DP Computer Code	Superseded Number	Dated	Effective Date
ORSKY	EIGHT	ORSKY8.ORSKY	SEVEN	08/22/2013	6 FEB 2014

ARINC PACKET - 424-18 - SID

[illegible]

DP Name	Number	DP Computer Code	Superseded Number	Dated	Effective Date
ORSKY	EIGHT	ORSKY8.ORSKY	SEVEN	08/22/2013	6 FEB 2014

[illegible]

## DEPARTURE (DATA RECORD)

DP Name	Number	DP Computer Code	Superseded Number	Dated	Effective Date
ORSKY	EIGHT	ORSKY8.ORSKY	SEVEN	08/22/2013	6 FEB 2014

ARINC SUMMARY - 424-18 - SID

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
	RW10B		010		VM		FB		098.0()			
	RW10B	MSP	020		DF		FB					
	RW10B	JURNY	030		TF		FB					
	RW10B	RUMLE	040		TF		FB					
	RW10B	PEDLN	050		TF		FB					
	RW10B	ORSKY	060		TF		FB					
	RW18		010		VM		FB		183.0()			
	RW18	MSP	020		DF		FB					
	RW18	JURNY	030		TF		FB					
	RW18	RUMLE	040		TF		FB					
	RW18	PEDLN	050		TF		FB					
	RW18	ORSKY	060		TF		FB					
	RW28B		010		VM		FB		278.0()			
	RW28B	MSP	020		DF		FB					
	RW28B	JURNY	030		TF		FB					
	RW28B	RUMLE	040		TF		FB					
	RW28B	PEDLN	050		TF		FB					
	RW28B	ORSKY	060		TF		FB					
	RW36		010		VM		FB		003.0()			
	RW36	MSP	020		DF		FB					
	RW36	JURNY	030		TF		FB					
	RW36	RUMLE	040		TF		FB					
	RW36	PEDLN	050		TF		FB					
	RW36	ORSKY	060		TF		FB					
	FOD	ORSKY	010		IF		FB					
	FOD		020		TF		FB					
	OVR	ORSKY	010		IF		FB					
	OVR	ONTIJ	020		TF		FB					
	OVR	GOOLD	030		TF		FB					
	OVR	SIMJI	040		TF		FB					
	OVR	EYHUX	050		TF		FB					
	OVR	PUMKN	060		TF		FB					
	OVR	OVR	070		TF		FB					

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	FOD	N423640.05	W0941741.34	N4236.668	W09417.689
	MSP	N445347.40	W0931411.53	N4453.790	W09314.192
	OVR	N411001.80	W0954412.67	N4110.030	W09544.211
	EYHUX	N422608.02	W0950109.77	N4226.134	W09501.163
	GOOLD	N425730.91	W0944251.04	N4257.515	W09442.851
	JURNY	N443631.14	W0932820.53	N4436.519	W09328.342

**DEPARTURE (DATA RECORD)**

DP Name	Number	DP Computer Code	Superseded Number	Dated	Effective Date
ORSKY	EIGHT	ORSKY8.ORSKY	SEVEN	08/22/2013	6 FEB 2014

ONTIJ	N431751.48	W0943046.46	N4317.858	W09430.774
ORSKY	N434011.13	W0941322.92	N4340.186	W09413.382
PEDLN	N441209.58	W0934801.40	N4412.160	W09348.023
PUMKN	N415032.36	W0952131.40	N4150.539	W09521.523
RUMLE	N442516.61	W0933727.90	N4425.277	W09337.465
SIMJI	N424933.63	W0944731.30	N4249.561	W09447.522
RW10L	N444946.79	W0932754.22	N4449.780	W09327.904
RW10R	N444944.58	W0932814.54	N4449.743	W09328.242
RW18	N444944.72	W0932715.61	N4449.745	W09327.260
RW28L	N444935.14	W0932706.45	N4449.586	W09327.108
RW28R	N444939.44	W0932701.10	N4449.657	W09327.018
RW36	N444918.29	W0932719.52	N4449.305	W09327.325

## RUNWAY DATA

RWY	THRESHOLD ELEVATION	TCH
RW10L	00906	45
RW10R	00896	42
RW18	00899	39
RW28L	00898	55
RW28R	00899	45
RW36	00905	30

## DEPARTURE (DATA RECORD)

DP Name	Number	DP Computer Code	Superseded Number	Dated	Effective Date
ORSKY	EIGHT	ORSKY8.ORSKY	SEVEN	08/22/2013	6 FEB 2014

ARINC PACKET - 424-18 - SID

NAVAID	1	2	3	4	5	6	7	8	9	0	1	2	3
	12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012												
SUSAD	FOD	K3011350VTHA	N42364005W094174134	N42364005W094174134	E0070011642	NARFORT DODGE							
SUSAD	MSP	K3011530VDLW	N44534740W093141153	N44534740W093141153	E0020008331	NARMINNEAPOLIS							
SUSAD	OV	K3011630VTHA	N41100180W095441267	N41100180W095441267	E0080013002	NAROMAHA							

WP	1	2	3	4	5	6	7	8	9	0	1	2	3
	12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012												
SUSAEAENRT	EYHUX	K30	C	H	N42260802W095010977	E0021	NAR	EYHUX					
SUSAEAENRT	GOOLD	K30	C	H	N42573091W094425104	E0018	NAR	GOOLD					
SUSAEAENRT	JURNY	K30	R		N44363114W093282053	E0007	NAR	JURNY					
SUSAEAENRT	ONTIJ	K30	R	B	N43175148W094304646	E0016	NAR	ONTIJ					
SUSAEAENRT	ORSKY	K30	R		N43401113W094132292	E0014	NAR	ORSKY					
SUSAEAENRT	PEDLN	K30	R		N44120958W093480140	E0010	NAR	PEDLN					
SUSAEAENRT	PUMKN	K30	R	H	N41503236W095213140	E0024	NAR	PUMKN					
SUSAEAENRT	RUMLE	K30	R		N44251661W093372790	E0008	NAR	RUMLE					
SUSAEAENRT	SIMJI	K30	R	B	N42493363W094473130	E0019	NAR	SIMJI					

AIRPORT	1	2	3	4	5	6	7	8	9	0	1	2	3
	12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012												
SUSAP	KSTPK3ASTP	0	064YHN44560464W093033723E003000705	1800018000C	MNAR	ST PAUL DOWNTOWN HOLMAN FLD							

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
	12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012												
SUSAP	KSTPK3DORSKY81RW09	010	0	VA	0877	+ 01400	18000						
SUSAP	KSTPK3DORSKY81RW09	020	0	VM	0877								
SUSAP	KSTPK3DORSKY81RW09	030MSP	K3D 0V	DF									
SUSAP	KSTPK3DORSKY81RW09	040JURNYK3EA0E		TF									
SUSAP	KSTPK3DORSKY81RW09	050RUMLEK3EA0E		TF									
SUSAP	KSTPK3DORSKY81RW09	060PEDLNK3EA0E		TF									
SUSAP	KSTPK3DORSKY81RW09	070ORSKYK3EA0EE		TF									
SUSAP	KSTPK3DORSKY81RW13	010	0	VA	1247	+ 01300	18000						
SUSAP	KSTPK3DORSKY81RW13	020	0	VM	1247								
SUSAP	KSTPK3DORSKY81RW13	030MSP	K3D 0V	DF									
SUSAP	KSTPK3DORSKY81RW13	040JURNYK3EA0E		TF									
SUSAP	KSTPK3DORSKY81RW13	050RUMLEK3EA0E		TF									
SUSAP	KSTPK3DORSKY81RW13	060PEDLNK3EA0E		TF									
SUSAP	KSTPK3DORSKY81RW13	070ORSKYK3EA0EE		TF									
SUSAP	KSTPK3DORSKY81RW14	010	0	VA	1430	+ 01400	18000						
SUSAP	KSTPK3DORSKY81RW14	020	0	VM	1430								

### DEPARTURE (DATA RECORD)

DP Name	Number	DP Computer Code	Superseded Number	Dated	Effective Date
ORSKY	EIGHT	ORSKY8.ORSKY	SEVEN	08/22/2013	6 FEB 2014

SUSAP	KSTPK3DORSKY81RW14	030MSP	K3D 0V	DF				
SUSAP	KSTPK3DORSKY81RW14	040JURNYK3EA0E		TF				
SUSAP	KSTPK3DORSKY81RW14	050RUMLEK3EA0E		TF				
SUSAP	KSTPK3DORSKY81RW14	060PEDLNK3EA0E		TF				
SUSAP	KSTPK3DORSKY81RW14	070ORSKYK3EA0EE		TF				
SUSAP	KSTPK3DORSKY81RW27	010	0	VA	2677		+ 01700	18000
SUSAP	KSTPK3DORSKY81RW27	020	0	VM	2677			
SUSAP	KSTPK3DORSKY81RW27	030MSP	K3D 0V	DF				
SUSAP	KSTPK3DORSKY81RW27	040JURNYK3EA0E		TF				
SUSAP	KSTPK3DORSKY81RW27	050RUMLEK3EA0E		TF				
SUSAP	KSTPK3DORSKY81RW27	060PEDLNK3EA0E		TF				
SUSAP	KSTPK3DORSKY81RW27	070ORSKYK3EA0EE		TF				
SUSAP	KSTPK3DORSKY81RW32	010	0	VA	3230		+ 01400	18000
SUSAP	KSTPK3DORSKY81RW32	020	0	VM	3230			
SUSAP	KSTPK3DORSKY81RW32	030MSP	K3D 0V	DF				
SUSAP	KSTPK3DORSKY81RW32	040JURNYK3EA0E		TF				
SUSAP	KSTPK3DORSKY81RW32	050RUMLEK3EA0E		TF				
SUSAP	KSTPK3DORSKY81RW32	060PEDLNK3EA0E		TF				
SUSAP	KSTPK3DORSKY81RW32	070ORSKYK3EA0EE		TF				
SUSAP	KSTPK3DORSKY83FOD	010ORSKYK3EA0E		IF				18000
SUSAP	KSTPK3DORSKY83FOD	020FOD	K3D 0VE	TF				
SUSAP	KSTPK3DORSKY83OVR	010ORSKYK3EA0E		IF				18000
SUSAP	KSTPK3DORSKY83OVR	020ONTIJK3EA0E		TF				
SUSAP	KSTPK3DORSKY83OVR	030GOOLDK3EA0E		TF				
SUSAP	KSTPK3DORSKY83OVR	040SIMJIK3EA0E		TF				
SUSAP	KSTPK3DORSKY83OVR	050EYHUXK3EA0E		TF				
SUSAP	KSTPK3DORSKY83OVR	060PUMKNK3EA0E		TF				
SUSAP	KSTPK3DORSKY83OVR	070OVR	K3D 0VE	TF				

[illegible]

## DEPARTURE (DATA RECORD)

DP Name	Number	DP Computer Code	Superseded Number	Dated	Effective Date
ORSKY	EIGHT	ORSKY8.ORSKY	SEVEN	08/22/2013	6 FEB 2014

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					
	RW09	JURNY	040		TF		FB					
	RW09	RUMLE	050		TF		FB					
	RW09	PEDLN	060		TF		FB					
	RW09	ORSKY	070		TF		FB					
	RW13		010		VA		FB		124.7()		AA 01300	
	RW13		020		VM		FB		124.7()			
	RW13	MSP	030		DF		FB					
	RW13	JURNY	040		TF		FB					
	RW13	RUMLE	050		TF		FB					
	RW13	PEDLN	060		TF		FB					
	RW13	ORSKY	070		TF		FB					
	RW14		010		VA		FB		143.0()		AA 01400	
	RW14		020		VM		FB		143.0()			
	RW14	MSP	030		DF		FB					
	RW14	JURNY	040		TF		FB					
	RW14	RUMLE	050		TF		FB					
	RW14	PEDLN	060		TF		FB					
	RW14	ORSKY	070		TF		FB					
	RW27		010		VA		FB		267.7()		AA 01700	
	RW27		020		VM		FB		267.7()			
	RW27	MSP	030		DF		FB					
	RW27	JURNY	040		TF		FB					
	RW27	RUMLE	050		TF		FB					
	RW27	PEDLN	060		TF		FB					
	RW27	ORSKY	070		TF		FB					
	RW32		010		VA		FB		323.0()		AA 01400	
	RW32		020		VM		FB		323.0()			
	RW32	MSP	030		DF		FB					
	RW32	JURNY	040		TF		FB					
	RW32	RUMLE	050		TF		FB					
	RW32	PEDLN	060		TF		FB					
	RW32	ORSKY	070		TF		FB					
	FOD	ORSKY	010		IF		FB					
	FOD	FOD	020		TF		FB					
	OVR	ORSKY	010		IF		FB					
	OVR	ONTIJ	020		TF		FB					
	OVR	GOOLD	030		TF		FB					
	OVR	SIMJI	040		TF		FB					
	OVR	EYHUX	050		TF		FB					



## DEPARTURE (DATA RECORD)

DP Name	Number	DP Computer Code	Superseded Number	Dated	Effective Date
ORSKY	EIGHT	ORSKY8.ORSKY	SEVEN	08/22/2013	6 FEB 2014

OVR	PUMKN	060	TF	FB
OVR	OVR	070	TF	FB

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	FOD	N423640.05	W0941741.34	N4236.668	W09417.689
	MSP	N445347.40	W0931411.53	N4453.790	W09314.192
	OVR	N411001.80	W0954412.67	N4110.030	W09544.211
	EYHUX	N422608.02	W0950109.77	N4226.134	W09501.163
	GOOLD	N425730.91	W0944251.04	N4257.515	W09442.851
	JURNY	N443631.14	W0932820.53	N4436.519	W09328.342
	ONTIJ	N431751.48	W0943046.46	N4317.858	W09430.774
	ORSKY	N434011.13	W0941322.92	N4340.186	W09413.382
	PEDLN	N441209.58	W0934801.40	N4412.160	W09348.023
	PUMKN	N415032.36	W0952131.40	N4150.539	W09521.523
	RUMLE	N442516.61	W0933727.90	N4425.277	W09337.465
	SIMJI	N424933.63	W0944731.30	N4249.561	W09447.522
	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

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