

Flight Procedure Tracking Form		Action: FLIGHT CHECK	Task Type: SID	Date Open: 01/04/2013	Task #: 2011072926923415007	Request #: 20110729269234
Procedure: SID MINNEAPOLIS SIX MINNEAPOLIS MN KMSP			Airport ID: KMSP	Airport: MINNEAPOLIS-ST PAUL INTL/WOLD-CHAMBERLAIN		Reimbursable #:
City: MINNEAPOLIS		ST: MN	GPS #:		Estimated Chart Date: 05/02/2013	FICO #:
Fac ID:	Fac. Type: <i>Proct</i>		Specialist: COLTON CROWDER			

Procedure Review

	Rec'd	Rel'd	Full Name	Comments
Lead:	09/12/2012	02/11/2013	JILL OLSON	
QA:	02/11/2013	02/11/2013	SCOTT BEARD	
Liaison:	02/11/2013		<i>Spartan</i>	

Procedure Comments:	ENROUTE	Remark Type: INFORMATION	<i>PKS 7.0.15</i>
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MINNEAPOLIS, MN MINNEAPOLIS-ST PAUL INTL/WOLD-CHAMBERLAIN (KMSP) MINNEAPOLIS SIX (SID) ENROUTE-YES FC: 3.5.13 PUB: 5.2.13

ATTACHED FORM: 8260-15B; 8260-15C.

CONTACT: JILL OLSON/STEVE BARNETT -AVJ-353 LEADS, 405.954.4014 / 405.954.9307.

**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DP Name	Number	DP Computer Code	Superseded Number	Dated	Effective Date
MINNEAPOLIS	SIX	MSP6.MSP	FIVE	12/15/2011	

TYPE: SID

DP ROUTE DESCRIPTION:

MINNEAPOLIS-ST PAUL INTL/WOLD CHAMBERLAIN:

TAKEOFF ALL RUNWAYS: FLY ASSIGNED HEADING FOR RADAR VECTORS TO JOIN FILED/ASSIGNED ROUTE. TURBOJET AIRCRAFT MAINTAIN 7000 OR LOWER ASSIGNED ALTITUDE, ALL OTHER AIRCRAFT MAINTAIN 5000 OR LOWER ASSIGNED ALTITUDE. EXPECT CLEARANCE TO ASSIGNED ALTITUDE/FLIGHT LEVEL 10 (TEN) MINUTES AFTER DEPARTURE.

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.

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.

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.

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.

TRANSITION ROUTES (GRAPHIC DEPICTION ONLY):

Transition Name	Transition Computer Codes	From FIX/NAVAID	To FIX/NAVAID	Course	Distance	MEA	MOCA	Crossing Altitudes/Fixes
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PROCEDURAL DATA NOTES/TAKEOFF MINIMUMS:

NOTES: RADAR REQUIRED.

NOTES: DME REQUIRED FOR RWY 17, 30L/R DEPARTURES.

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.



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MINNEAPOLIS	SIX	MSP6.MSP	FIVE	12/15/2011	

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.

CONTROLLING OBSTACLES:

MINNEAPOLIS-ST PAUL INTL/WOLD CHAMBERLAIN: RWY 4: 2438 FT MSL TOWER 450344.83N/0930822.61W RWY 12L: 991 FT MSL TREE 445233.26N/0931008.66W RWY 30L: 1743 FT MSL BLDG 445834.00N/0931621.00W RWY 30R: 1743 FT MSL BLDG 445834.00N/0931621.00W RWY 35: 1743 FT MSL BLDG 445834.00N/0931621.00W.

LOST COMMUNICATIONS PROCEDURES:

ADDITIONAL FLIGHT DATA:

AIRPORTS SERVED:

MINNEAPOLIS-ST PAUL INTL/WOLD CHAMBERLAIN

MINNEAPOLIS, MN.

COMMUNICATIONS:

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

FIXES AND/OR NAVAIDS:

FAR VORTAC, BRD VORTAC, DLH VORTAC, GRB VORTAC, RAP VORTAC, ODI VORTAC, FSD VORTAC, FOD VORTAC, DLL VORTAC, ONL VORTAC, OVR VORTAC, DSM VORTAC, STJ VORTAC, MCI VORTAC, FCM VOR/DME, ABR VOR/DME, RST VOR/DME

REMARKS:

QUALITY
3
CHECKED

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MINNEAPOLIS	SIX	MSP6.MSP	FIVE	12/15/2011	

FLIGHT INSPECTED BY:

REQUIRED EFFECTIVE DATE:

ROUTINE

DEVELOPED BY:

JILL OLSON (COLTON CROWDER) AJV-353 11/28/2012

APPROVED BY:

LARRY STROUT AJV-353

COORDINATED WITH:

ATA, ALPA, APA, AOPA, NBAA,ZMP, MSP ATCT, AMGR

CHANGES:

1. RWY 12L: CHANGED TAKEOFF MINIMUMS FROM "STANDARD" TO "300-1 1/4 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".
2. UPDATED RWY 4, 12R, 17, 22, 30L, 30R, AND 35 TAKEOFF OBSTACLE NOTES; ADDED RWY 12L OBSTACLE NOTES.
3. UPDATED RWY 4 CONTROLLING OBSTACLE COORDINATES.
4. REMOVED CLIMB GRADIENT REQUIREMENT FROM RWYS 30L AND 30R.
5. REMOVED CONTROLLING OBSTACLES FROM RWY 4, 30L/R, AND UPDATED RWY 35 CONTROLLING OBSTACLE COORDINATES..
6. ADDED RWY 12L CONTROLLING OBSTACLE.
7. ADDED NOTE: DME REQUIRED FOR RWY 17, 30L/R DEPARTURES.

REASONS:

1. - 5. NEW OBSTACLE SURVEY.
- 6, 7. CRITERIA.

