Flight Procedure Tracking Form	Action: AMENDMENT	Task Type: STAR	Date Open: 06/26/2012	Task #: 2012062623490301002	Request #: 20120626234903
Procedure: STAR EAU CLAIRE NINE MINNEAPLOIS MN KMSP		Airport ID: KMSP	Airport: MINNEAPOLIS-ST PAUL INTL/WOLD-CHAMBERLAIN		Reimbursable #:
City: MINNEAPOLIS	ST: MN	GPS #:		Estimated Chart Date: 01/10/2013	FICO #:
Fac ID:	Fac. Type:	Specialist: THOMAS KIRKPATRICK			

Procedure Review

	Rec'd	Rel'd	Full Name	Comments
Lead:				
QA:				JCB 8/17 QUALITY 1 8/22 jm NDS Sent 9/6 cs
Liaison:				

Procedure Comments: ENROUTE **Remark Type:** INFORMATION

ATTACHED FORMS:
7100-4
CONTACT: JILL OLSON/STEVE BARNETT, AJV-353 POC, 405.954.0414/9307

Coding: 9/10/12 DP 9/13

US Department of Transportation
Federal Aviation Administration

STAR - Standard Terminal Arrival

1. Bearings, headings, courses and radials are listed to the nearest hundredth (e.g. 360.00)
2. Distances are in nautical miles to nearest hundredth (e.g. 00.00)
3. Altitudes are minimum altitudes unless otherwise indicated

(1) Transition Routes:

(a) Transition Name	(b) Transition Computer Codes	(c) From RNAV WP/ FIX/NAVAID	(d) To RNAV WP/ FIX/NAVAID	(e) Magnetic Course/ Distance	(f) MEA	(g) MOCA	(h) MAA	(i) Crossing Altitudes / Fixes
BADGER (BAE)	BAE.EAU9	BAE VORTAC	EAU VORTAC	BAE306.79/ EAU122.57 (174.75)	FL180			11000/TWINZ (JETS) 7000/TWINZ (TURBOPROPS)
GREEN BAY (GRB)	GRB.EAU9	GRB VORTAC	EAU VORTAC	GRB278.48/ EAU093.17 (141.95)	FL180			11000/TWINZ (JETS) 7000/TWINZ (TURBOPROPS)

(2) Arrival Route Description:

FROM OVER EAU VORTAC VIA THE EAU R-281.00 TO TWINZ/36.00 DME THEN VIA THE MSP R-074.90 TO ZASKY/9.00 DME THENCE:

LANDING RUNWAY 12L/R.....AFTER ZASKY VIA 300 HEADING FOR RADAR VECTORS
LANDING RUNWAY 30L/R, 35.....EXPECT RADAR VECTORS TO FINAL APPROACH COURSE
LANDING ALL OTHER MSP RUNWAYS.....EXPECT RADAR VECTORS TO FINAL APPROACH COURSE

(3) Procedural Data Notes:

DME REQUIRED. RADAR REQUIRED. VERTICAL NAVIGATION PLANNING INFORMATION: TURBOJET: EXPECT CLEARANCE TO CROSS TWINZ AT 11,000 FEET. TURBOPROP: EXPECT CLEARANCE TO CROSS TWINZ AT **7,000 FEET.**

(4) Fixes and/or Holding Patterns:

CHART HOLDING AT: EAU VORTAC, HOLD SE, RT, 302.57 INBOUND, HERMI, HOLD E, LT 281.00 INBOUND, BEERI, HOLD SE, RT 306.79 INBOUND.

(5) Communications:

MINNEAPOLIS APPROACH AND ATIS

QUALITY 1 CHECKED

(6) Arrival Name	(7) Number	(8) STAR Computer Code	(9) Superseded Nr.	(10) Dated	(11) Effective Date
EAU CLAIRE	NINE	EAU.EAU9	EAU8	09/01/2005	

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(12) Airports Served	
Airport Name MINNEAPOLIS-ST PAUL INTL/WOLD-CHAMBERLAIN	City/State MINNEAPOLIS, MN
Airport Name	City/State
Airport Name	City/State
Airport Name	City/State
Airport Name	City/State
Airport Name	City/State

(13) Lost Communications Procedure:

N/A

(14) Remarks:

(15) Additional Flight Data:

CHART: ODI R-336 TO HERMI. CHART DME AT TWINZ FOR BOTH EAU AND MSP
CHART: FIX/FACILITY LATITUDES AND LONGITUDES. LOOON, KRSPY, PAKKR, HERMI, TWINZ, WOLVS, ZASKY, BERRI, ROBBY, WILDD.

QUALITY CHECKED 1

(6) Arrival Name	(7) Number	(8) STAR Computer Code	(9) Superseded Nr.	(10) Dated	(11) Effective Date
EAU CLAIRE	NINE	EAU.EAU9	EIGHT	09/01/2005	

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(16) Continuation:

(17) Changes:

TWINZ: VERTICAL NAVIGATION PLANNING INFORMATION: TURBOPROPS EXPECT CLEARANCE TO CROSS AT 7000.

(18) Reasons for Changes:

ATC request.

10-18-2012: THIS IS A CORRECTED COPY OF THE FORM; IN SECTION 15 (ADDITIONAL FLIGHT DATA), CHANGED LOON TO LOOON.

11-2-2012: THIS IS A CORRECTED COPY OF THE FORM APPROVED ON 10.25.2012.
IN THE ARRIVAL ROUTE DESCRIPTION CHANGED TWINZ FROM 96.00 DME TO 36.00 DME.

11-19-2012: THIS IS A CORRECTED COPY OF THE FORM APPROAVED ON 11-9-2012.
IN THE ARRIVAL ROUTE DESCRIPTION CHANGED TWINZ CROSSING ALTITUDE FOR TURBOPROPS FROM 9000 TO 7000.

QUALITY 1 CHECKED

	Name *(Typed and Signed)*, Title and Organization		DATE
Developed By	NOEL TETREAULT, OPERATIONS SUPPORT SPECIALIST		
Approved	**FIFO**	**LARRY H. STROUT, MANAGER, AJV-353**	
	Reg. ATD		

(6) Arrival Name	**(7) Number**	**(8) STAR Computer Code**	**(9) Superseded Nr.**	**(10) Dated**	**(11) Effective Date**
EAU CLAIRE	**NINE**	EAU.EAU9	**EIGHT**	09/01/2005	

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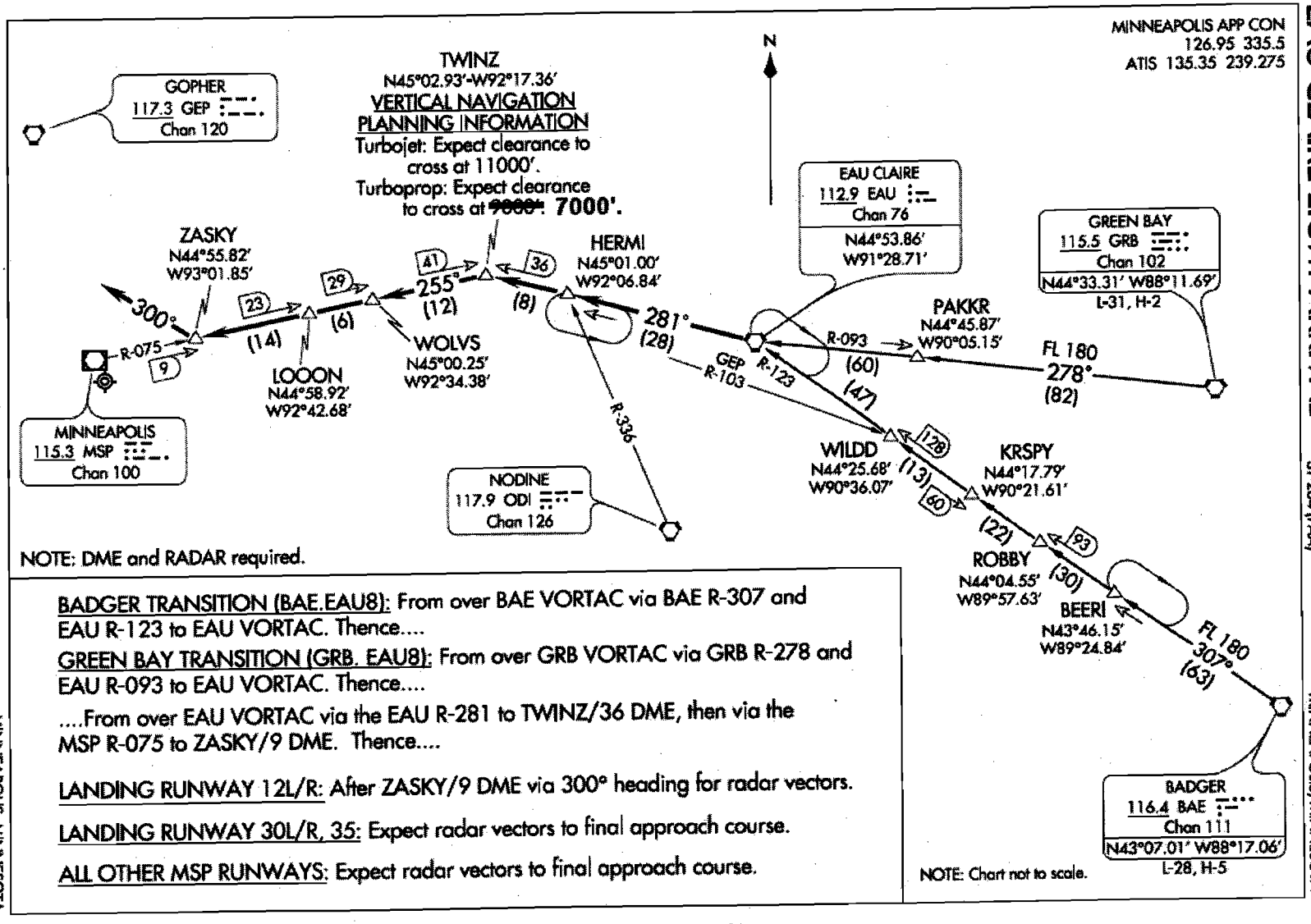
(19) Graphic Depiction:



NC-1, 15 DEC 2011 to 12 JAN 2012

(6) Arrival Name	(7) Number	(8) STAR Computer Code	(9) Superseded Nr.	(10) Dated	(11) Effective Date
EAU CLAIRE	NINE	EAU.EAU9	EIGHT	09/01/2005	

FAA Form 7100-4 (7/02)

US Department of Transportation
Federal Aviation Administration

STAR (Data Record)

ARINC PACKET - 424-18 - STAR

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                 1         2         3         4         5         6         7         8         9         0         1         2         3
NAVAID  123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAD        BAE   K5011640VTHA N43070067W088170364    N43070067W088170364E0020010702     NARBADGER
        SUSAD        EAU   K5011290VTLA N44535161W091284273    N44535161W091284273E0040009051     NAREAU CLAIRE
        SUSAD        GRB   K5011550VTHA N44331858W088114148    N44331858W088114148E0010007672     NARGREEN BAY
        SUSAD        MSP   K3011530VDLW N44534740W093141153    N44534740W093141153E0020008331     NARMINNEAPOLIS

                 1         2         3         4         5         6         7         8         9         0         1         2         3
WP      123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAEAENRT   BEERI K50    R   H N43460900W089245022                      W0025     NAR           BEERI
        SUSAEAENRT   HERMI K50    R   L N45005998W092065044                      W0004     NAR           HERMI
        SUSAEAENRT   KRSPY K50    R   H N44174712W090213675                      W0018     NAR           KRSPY
        SUSAEAENRT   LOOON K50    R     N44585532W092424072                      E0001     NAR           LOOON
        SUSAEAENRT   PAKKR K50    R     N44455191W090050913                      W0021     NAR           PAKKR
        SUSAEAENRT   ROBBY K50    R   H N44043281W089573761                      W0021     NAR           ROBBY
        SUSAEAENRT   TWINZ K50    R   L N45025567W092172164                      W0003     NAR           TWINZ
        SUSAEAENRT   WILDD K50    R   H N44254068W090360425                      W0016     NAR           WILDD
        SUSAEAENRT   WOLVS K50    R   L N45001473W092342291                      E0000     NAR           WOLVS
        SUSAEAENRT   ZASKY K30    R   L N44554908W093015118                      E0004     NAR           ZASKY

                 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 KMSPK3EEAU9  1BAE   010BAE  K5D 0V       IF                                                  18000
        SUSAP KMSPK3EEAU9  1BAE   020BEERIK5EA0E  H    TF                    30680630
        SUSAP KMSPK3EEAU9  1BAE   030ROBBYK5EA0E       TF                    30680300
        SUSAP KMSPK3EEAU9  1BAE   040KRSPYK5EA0E       TF                    30680218
        SUSAP KMSPK3EEAU9  1BAE   050WILDDK5EA0E       TF                    30680130
        SUSAP KMSPK3EEAU9  1BAE   060EAU  K5D 0VE H    TF                    30680470
        SUSAP KMSPK3EEAU9  1GRB   010GRB  K5D 0V       IF                                                  18000
        SUSAP KMSPK3EEAU9  1GRB   020PAKKRK5EA0E       TF                    27850820
        SUSAP KMSPK3EEAU9  1GRB   030EAU  K5D 0VE H    TF                    27850600
        SUSAP KMSPK3EEAU9  2      010EAU  K5D 0V  H    IF                                                  18000
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QUALITY CHECKED 1

(11) Arrival Name	(12) Number	(13) STAR Computer Code	(14) Superseded Nr.	(15) Dated	(16) Effective Date
EAU CLAIRE	NINE	EAU.EAU9	EIGHT	09/01/2005	

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SUSAP KMSPK3EEAU9  2       020HERMIK5EA0E  H    TF                    2810
SUSAP KMSPK3EEAU9  2       030TWINZK5EA0E       TF                    2810
SUSAP KMSPK3EEAU9  2       040WOLVSK5EA0E       TF                    2550
SUSAP KMSPK3EEAU9  2       050LOOONK5EA0E       TF                    2550
SUSAP KMSPK3EEAU9  2       060ZASKYK3EA0EE      TF                    2550
SUSAP KMSPK3EEAU9  3RW04   010ZASKYK3EA0E       IF                                        18000
SUSAP KMSPK3EEAU9  3RW04   020ZASKYK3EA0EE      FM MSP K3      074900902550    D
SUSAP KMSPK3EEAU9  3RW12B  010ZASKYK3EA0E       IF                                        18000
SUSAP KMSPK3EEAU9  3RW12B  020KMSP K3PA0AE      VM                    3000
SUSAP KMSPK3EEAU9  3RW17   010ZASKYK3EA0E       IF                                        18000
SUSAP KMSPK3EEAU9  3RW17   020ZASKYK3EA0EE      FM MSP K3      074900902550    D
SUSAP KMSPK3EEAU9  3RW22   010ZASKYK3EA0E       IF                                        18000
SUSAP KMSPK3EEAU9  3RW22   020ZASKYK3EA0EE      FM MSP K3      074900902550    D
SUSAP KMSPK3EEAU9  3RW30B  010ZASKYK3EA0E       IF                                        18000
SUSAP KMSPK3EEAU9  3RW30B  020ZASKYK3EA0EE      FM MSP K3      074900902550    D
SUSAP KMSPK3EEAU9  3RW35   010ZASKYK3EA0E       IF                                        18000
SUSAP KMSPK3EEAU9  3RW35   020ZASKYK3EA0EE      FM MSP K3      074900902550    D
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                1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY  123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KMSPK3GRW04    0110060430 N44523098W093140273+0000    +022630083215505 5150RIAPL0
        SUSAP KMSPK3GRW12L   0082001193 N44533463W093131557-0200    +022840083900005 2150IIPJL3
        SUSAP KMSPK3GRW12R   0100001193 N44531604W093140287-0300    +022940084200005 6200IIHKZ3
        SUSAP KMSPK3GRW17    0080001675 N44531591W093143211-0100    +022900084000006 0150VITJZ0
        SUSAP KMSPK3GRW22    0110062230 N44533001W093123967+0000    +022520082810005 5150RISIJ0
        SUSAP KMSPK3GRW30L   0100002994 N44522468W093120427+0300    +022090081400005 8200IIMSP2
        SUSAP KMSPK3GRW30R   0082002994 N44525354W093114067+0200    +022260082002005 5150IIINN1
        SUSAP KMSPK3GRW35    0080003475 N44515824W093141192+0100    +022680083300005 3150IIBMA3
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QUALITY CHECKED 1

(11) Arrival Name	(12) Number	(13) STAR Computer Code	(14) Superseded Nr.	(15) Dated	(16) Effective Date
EAU CLAIRE	NINE	EAU.EAU9	EIGHT	09/01/2005	

US Department of Transportation
Federal Aviation Administration

STAR (Data Record)

ARINC SUMMARY - 424-18 - STAR

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
	BAE	BAE	010		IF		FB					
	BAE	BEERI	020		TF		FB		306.8()	063.0		
	BAE	ROBBY	030		TF		FB		306.8()	030.0		
	BAE	KRSPY	040		TF		FB		306.8()	021.8		
	BAE	WILDD	050		TF		FB		306.8()	013.0		
	BAE	EAU	060		TF		FB		306.8()	047.0		
	GRB	GRB	010		IF		FB					
	GRB	PAKKR	020		TF		FB		278.5()	082.0		
	GRB	EAU	030		TF		FB		278.5()	060.0		
		EAU	010		IF		FB					
		HERMI	020		TF		FB		281.0()			
		TWINZ	030		TF		FB		281.0()			
		WOLVS	040		TF		FB		255.0()			
		LOOON	050		TF		FB		255.0()			
		ZASKY	060		TF		FB		255.0()			
	RW04	ZASKY	010		IF		FB					
	RW04	ZASKY	020		FM		FB		255.0()			
	RW12B	ZASKY	010		IF		FB					
	RW12B	KMSP	020		VM		FB		300.0()			
	RW17	ZASKY	010		IF		FB					
	RW17	ZASKY	020		FM		FB		255.0()			
	RW22	ZASKY	010		IF		FB					
	RW22	ZASKY	020		FM		FB		255.0()			
	RW30B	ZASKY	010		IF		FB					
	RW30B	ZASKY	020		FM		FB		255.0()			
	RW35	ZASKY	010		IF		FB					
	RW35	ZASKY	020		FM		FB		255.0()			

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	BAE	N430700.67	W0881703.64	N4307.011	W08817.061
	EAU	N445351.61	W0912842.73	N4453.860	W09128.712
	GRB	N443318.58	W0881141.48	N4433.310	W08811.691
	MSP	N445347.40	W0931411.53	N4453.790	W09314.192
	BEERI	N434609.00	W0892450.22	N4346.150	W08924.837
	HERMI	N450059.98	W0920650.44	N4501.000	W09206.841
	KRSPY	N441747.12	W0902136.75	N4417.785	W09021.613
	LOOON	N445855.32	W0924240.72	N4458.922	W09242.679

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PAKKR	N444551.91	W0900509.13	N4445.865	W09005.152
ROBBY	N440432.81	W0895737.61	N4404.547	W08957.627
TWINZ	N450255.67	W0921721.64	N4502.928	W09217.361
WILDD	N442540.68	W0903604.25	N4425.678	W09036.071
WOLVS	N450014.73	W0923422.91	N4500.246	W09234.382
ZASKY	N445549.08	W0930151.18	N4455.818	W09301.853
RW04	N445230.98	W0931402.73	N4452.516	W09314.046
RW12L	N445334.63	W0931315.57	N4453.577	W09313.260
RW12R	N445316.04	W0931402.87	N4453.267	W09314.048
RW17	N445315.91	W0931432.11	N4453.265	W09314.535
RW22	N445330.01	W0931239.67	N4453.500	W09312.661
RW30L	N445224.68	W0931204.27	N4452.411	W09312.071
RW30R	N445253.54	W0931140.67	N4452.892	W09311.678
RW35	N445158.24	W0931411.92	N4451.971	W09314.199

RUNWAY DATA

RWY	THRESHOLD ELEVATION	TCH
RW04	00832	55
RW12L	00839	52
RW12R	00842	56
RW17	00840	60
RW22	00828	55
RW30L	00814	58
RW30R	00820	55
RW35	00833	53

(11) Arrival Name	(12) Number	(13) STAR Computer Code	(14) Superseded Nr.	(15) Dated	(16) Effective Date
EAU CLAIRE	NINE	EAU.EAU9	EIGHT	09/01/2005	