Flight Procedure Tracking Form	Action: AMENDMENT	Task Type: STAR	Date Open: 04/04/2012	Task #: 201101282384200 2001	Request #: 20110128238420
Procedure: STAR QBALL EIGHT ST. LOUIS MO KSTL		Airport ID: KSTL	Airport: LAMBERT-ST LOUIS INTL		Reimbursable #:
City: ST LOUIS	ST: MO	GPS #:		Estimated Chart Date: ~~11/15/2012~~ 5/21/12	FICO #:
Fac ID:	Fac. Type:		Specialist: JOHN ROSARIO		

Procedure Review

	Rec'd	Rel'd	Full Name	Comments
Lead:				
QA:				JH NDS SENT 04/05/2012
Liaison:				

Procedure Comments:

Remark Type: INFORMATION

ST LOUIS, MO LAMBERT-ST-LOUIS INTL (KSTL) QBALL EIGHT STAR ENROUTE - NO

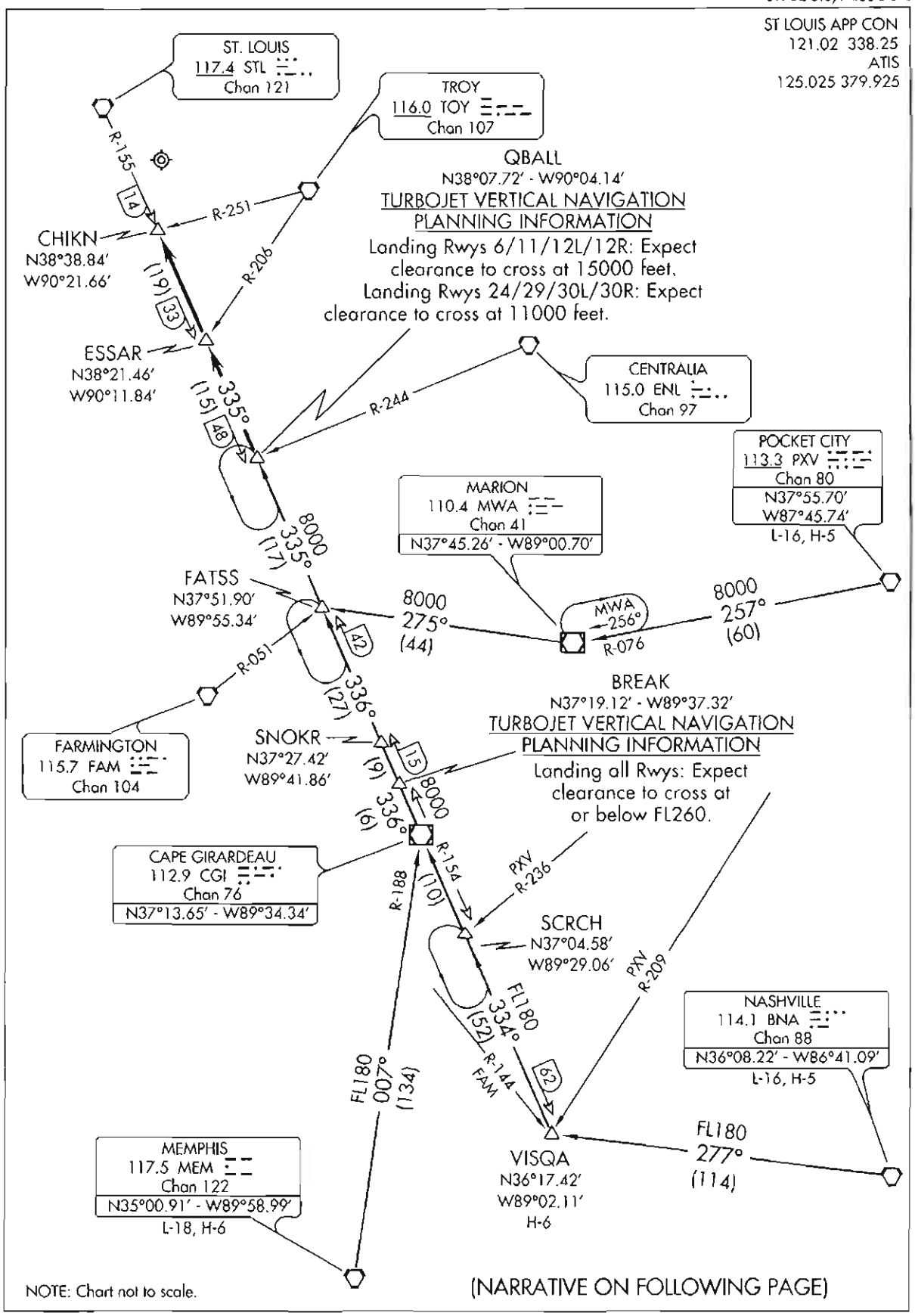
ATTACHED FORMS: 7100-4

CONTACT: JILL OLSON, AJV-353, 405.954.0414

Copies sent

QBALL EIGHT ARRIVAL

LAMBERT ST-LOUIS INTL
ST. LOUIS, MISSOURI



(NARRATIVE ON FOLLOWING PAGE)

ARRIVAL DESCRIPTION

MEMPHIS TRANSITION (MEM.QBALL8): From over MEM VORTAC on MEM R-007 and CGI R-188 to CGI VOR/DME, then on CGI R-336 to FATSS INT, then on STL R-155 to QBALL INT. Thence. . . .

NASHVILLE TRANSITION (BNA.QBALL8): From over BNA VORTAC on BNA R-277 to VISQA INT, then on CGI R-154 to CGI VOR/DME, then on CGI R-336 to FATSS INT, then on STL R-155 to QBALL INT. Thence. . . .

POCKET CITY TRANSITION (PXV.QBALL8): From over PXV VORTAC on PXV R-257 and MWA R-076 to MWA VOR/DME, then on MWA R-275 to FATSS INT, then on STL R-155 to QBALL INT. Thence. . . .

VISQA TRANSITION (VISQA.QBALL8): From over VISQA INT on CGI R-154 to CGI VOR/DME, then on CGI R-336 to FATSS INT, then on STL R-155 to QBALL INT. Thence. . . .

. . . .LANDING RWYS 6/11/12L/12R: From over QBALL INT via STL R-155 to CHIKN INT, thence . . . .

. . . .LANDING RWYS 24/29/30R/30L: From over QBALL INT via STL R-155 to ESSAR INT, thence. . . .

Expect radar vectors to final approach course.

US Department of Transportation
Federal Aviation Administration

STAR - Standard Terminal Arrival

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

(1) Transition Routes (Graphic Depiction Only)

(a) Transition Name	(b) Transition Computer Codes	(c) From RNAV WP/ Fix/Navaid	(d) To RNAV WP/ Fix/NAVAID	(e) Mag Course/Distance	(f) MEA	(g) MOCA	(h) MAA	(i) Crossing Altitudes/Fixes
NASHVILLE	BNA.QBALL8	BNA VORTAC	VISQA INT	277.30/114.48	FL180			
		VISQA INT	SCRCH INT	334.41/51.84 (CGI R-154)	FL180			
		SCRCH INT	CGI VOR/DME	334.41/10.00 (CGI R-154)	FL180			
		CGI VOR/DME	BREAK INT	335.50/5.96	8000			
		BREAK INT	SNOKR INT	335.50/9.04 (CGI R-336)	8000			
		SNOKR INT	FATSS INT	335.50/26.70 (CGI R-336)	8000			
		FATSS INT	QBALL INT	334.94/17.26 (STL R-155)	8000			
MEMPHIS	MEM.QBALL8	MEM VORTAC	CGI VOR/DME	007.45/134.05 (MEM R-007 & CGI R-188)	FL180			
		CGI VOR/DME	BREAK INT	335.50/5.96	8000			
		BREAK INT	SNOKR INT	335.50/9.04 (CGI R-336)	8000			
		SNOKR INT	FATSS INT	335.50/26.70 (CGI R-336)	8000			
		FATSS INT	QBALL INT	334.94/17.26 (STL R-155)	8000			

(2) Arrival Route Description:
(Landing RWYS 6/11/12L/12R) . . . . . from over QBALL INT via STL R-155 to CHIKN INT, thence . . . .
(Landing RWYS 24/29/30L/30R) . . . . . from over QBALL INT via STL R-155 to ESSAR INT, thence . . . .
. . . . . expect radar vectors to final approach course.

(3) Procedural Data Notes: TURBOJET VERTICAL NAVIGATION PLANNING INFORMATION.
(Landing RWYS 6/11/12L/12R) Expect clearance to cross QBALL INT at 15,000 feet.
(Landing RWYS 24/29/30L/30R) Expect clearance to cross QBALL INT at 11,000 feet.
(Landing all RWYS) Expect clearance to cross BREAK INT at FL260 or below.

(4) Fixes and/or Holding Patterns: Chart holding at SCRCH INT, LT, 334.00 INBOUND. Chart holding at QBALL INT, LT, 334.94 INBOUND. Chart SNOKR INT. Chart holding at MARION VOR/DME, RT, 256.00 INBOUND. Chart holding at FATSS INT, LT, 335.50 INBOUND.

(5) Communications: STL ATIS, STL APP CON

QUALITY CHECKED

(6) Arrival Name	(7) Number	(8) STAR Computer Code	(9) Superseded Nr.	(10) Dated DD/MO/YR	(11) Effective Date
QBALL	EIGHT	QBALL.QBALL8	SEVEN	04-05-12	

FAA FORM 7100-4 (7/02) SUPERSEDES PREVIOUS EDITION

(12) Airports Served		
Airport Name	LAMBERT-ST. LOUIS INTL	City/State St. Louis, MO
Airport Name		City/State
Airport Name		City/State
Airport Name		City/State
Airport Name		City/State
Airport Name		City/State

(13) Lost Communications Procedure:

(14) Remarks:

04/18/2012: THIS IS A CORRECTED COPY OF THE FORM APPROVED ON 04/06/2012.

1. CHANGED BLOCK 1 MAGNETIC COURSE BETWEEN FATSS INT AND QBALL INT FROM 336.29 TO 334.94

(15) Additional Flight Data:

QUALITY 1 CHECKED

(6) Arrival Name	(7) Number	(8) STAR Computer Code	(9) Superseded Nr.	(10) Dated DD/MO/YR	(11) Effective Date
QBALL	EIGHT	QBALL.QBALL8	SEVEN	04/05/12	

FAA FORM 7100-4 (7/02) SUPERSEDES PREVIOUS EDITION

(16) Continuation:

(a)	(b)	(c)	(d)	(e)	(f)
POCKET CITY	PXV.QBALL8	PXV VORTAC	MWA VOR/DME	257.42/60.28 (PXV R-257 & MWA R-076)	8000
		MWA VOR/DME	FATSS INT	275.00/43.81	8000
		FATSS INT	QBALL INT	334.94/17.26 (STL R-155)	8000
VISQA	VISQA.QBALL8	VISQA INT	SCRCH INT	334.41/51.84 (CGI R-154)	FL180
		SCRCH INT	CGI VOR/DME	334.41/10.00	FL180
		CGI VOR/DME	BREAK INT	335.50/ 5.96	8000
		BREAK INT	SNOKR INT	335.50/9.04 (CGI R-336)	8000
		SNOKR INT	FATSS INT	335.50/26.70	8000
		FATSS INT	QBALL INT	334.94/17.26 (STL R-155)	8000

(17) Changes:

DELETED 250 KNOTS RESTRICTION AT QBALL, LANDING RWYS 24/29/30L/30R

(18) Reasons for Changes:

ATC REQUEST

QUALITY CHECKED

		Name (*Typed and Signed*), Title and Organization	DATE
Developed By		Jay Gaumer, Support Specialist, ZKC	
Approved	**NFPO**		
	Reg. ATD		

(6) Arrival Name	(7) Number	(8) STAR Computer Code	(9) Superseded Nr.	(10) Dated DD/MO/YR	(11) Effective Date
QBALL	EIGHT	QBALL.QBALL8	SEVEN	04/05/12	

FAA FORM 7100-4 (7/02) SUPERSEDES PREVIOUS EDITION

(19) Graphic Depiction:
See Attached

QUALITY CHECKED

FAA FORM 7100-4 (7/02) SUPERSEDES PREVIOUS EDITION

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        BNA   K7011410VTH  N36081306W086410518    N36081306W086410518W0020005662    NARNASHVILLE
        SUSAD        CGI   K3011290VDL  N37133910W089342060    N37133910W089342060E0010003401    NARCAPE GIRARDEAU
        SUSAD        MEM   K7011750VTHW N35005442W089585955    N35005442W089585955E0010003602    NARMEMPHIS
        SUSAD        MWA   K5011040VDL  N37451532W089004200    N37451532W089004200E0040004681    NARMARION
        SUSAD        PXV   K5011330VTHA N37554195W087454456    N37554195W087454456E0030003842    NARPOCKET CITY

                 1         2         3         4         5         6         7         8         9         0         1         2         3
WP      123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAEAENRT   BREAK K30    R     N37190741W089371936                    W0014     NAR          BREAK
        SUSAEAENRT   CHIKN K30    R     N38385048W090213939                    W0010     NAR          CHIKN
        SUSAEAENRT   ESSAR K30    R     N38212742W090115027                    W0011     NAR          ESSAR
        SUSAEAENRT   FATSS K30    R     N37515428W089552064                    W0012     NAR          FATSS
        SUSAEAENRT   QBALL K30    R   B N38074335W090040848                    W0011     NAR          QBALL
        SUSAEAENRT   SCRCH K30    R     N37043451W089290373                    W0014     NAR          SCRCH
        SUSAEAENRT   SNOKR K50    R   B N37272523W089415132                    W0013     NAR          SNOKR
        SUSAEAENRT   VISQA K70    R   H N36172549W089020631                    W0017     NAR          VISQA

                 1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KSTLK3ASTL     0     110YHN38445531W090221210E000000618         1800018000C    MNAR    LAMBERT-ST LOUIS INTL

                 1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KSTLK3EQBALL81BNA   010BNA  K7D 0V       IF                                          18000
        SUSAP KSTLK3EQBALL81BNA   020VISQAK7EA0E       TF                    27731145
        SUSAP KSTLK3EQBALL81BNA   030SCRCHK3EA0E  H    TF                    33440518
        SUSAP KSTLK3EQBALL81BNA   040CGI  K3D 0V       TF                    33440100
        SUSAP KSTLK3EQBALL81BNA   050BREAKK3EA0E       TF                    33550060
        SUSAP KSTLK3EQBALL81BNA   060SNOKRK5EA0E       TF                    33550090
        SUSAP KSTLK3EQBALL81BNA   070FATSSK3EA0E  H    TF                    33550267
        SUSAP KSTLK3EQBALL81BNA   080QBALLK3EA0EE H    TF                    33490173
        SUSAP KSTLK3EQBALL81MEM   010MEM  K7D 0V       IF                                          18000
        SUSAP KSTLK3EQBALL81MEM   020CGI  K3D 0V       TF                    00751341
        SUSAP KSTLK3EQBALL81MEM   030BREAKK3EA0E       TF                    33550060
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QUALITY CHECKED

(11) Arrival Name	(12) Number	(13) STAR Computer Code	(14) Superseded Nr.	(15) Dated	(16) Effective Date
QBALL	EIGHT	QBALL.QBALL8	SEVEN	04-05-12	

FAA Form 7100-3 (9/02)

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SUSAP KSTLK3EQBALL81MEM   040SNOKRK5EA0E       TF                    33550090
SUSAP KSTLK3EQBALL81MEM   050FATSSK3EA0E  H    TF                    33550267
SUSAP KSTLK3EQBALL81MEM   060QBALLK3EA0EE H    TF                    33490173
SUSAP KSTLK3EQBALL81PXV   010PXV  K5D 0V       IF                                                18000
SUSAP KSTLK3EQBALL81PXV   020MWA  K5D 0V  H    TF                    25740603
SUSAP KSTLK3EQBALL81PXV   030FATSSK3EA0E  H    TF                    27500438
SUSAP KSTLK3EQBALL81PXV   040QBALLK3EA0EE H    TF                    33490173
SUSAP KSTLK3EQBALL81VISQA 010VISQAK7EA0E       IF                                                18000
SUSAP KSTLK3EQBALL81VISQA 020SCRCHK3EA0E  H    TF                    33440518
SUSAP KSTLK3EQBALL81VISQA 030CGI  K3D 0V       TF                    33440100
SUSAP KSTLK3EQBALL81VISQA 040BREAKK3EA0E       TF                    33550060
SUSAP KSTLK3EQBALL81VISQA 050SNOKRK5EA0E       TF                    33550090
SUSAP KSTLK3EQBALL81VISQA 060FATSSK3EA0E  H    TF                    33550267
SUSAP KSTLK3EQBALL81VISQA 070QBALLK3EA0EE H    TF                    33490173
SUSAP KSTLK3EQBALL83RW06  010QBALLK3EA0E  H    IF                                                18000
SUSAP KSTLK3EQBALL83RW06  020CHIKNK3EA0EE       TF                    3350
SUSAP KSTLK3EQBALL83RW11  010QBALLK3EA0E  H    IF                                                18000
SUSAP KSTLK3EQBALL83RW11  020CHIKNK3EA0EE       TF                    3350
SUSAP KSTLK3EQBALL83RW12B 010QBALLK3EA0E  H    IF                                                18000
SUSAP KSTLK3EQBALL83RW12B 020CHIKNK3EA0EE       TF                    3350
SUSAP KSTLK3EQBALL83RW24  010QBALLK3EA0E  H    IF                                                18000
SUSAP KSTLK3EQBALL83RW24  020ESSARK3EA0EE       TF                    3350
SUSAP KSTLK3EQBALL83RW29  010QBALLK3EA0E  H    IF                                                18000
SUSAP KSTLK3EQBALL83RW29  020ESSARK3EA0EE       TF                    3350
SUSAP KSTLK3EQBALL83RW30B 010QBALLK3EA0E  H    IF                                                18000
SUSAP KSTLK3EQBALL83RW30B 020ESSARK3EA0EE       TF                    3350
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                1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY  123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KSTLK3GRW06     0076070628 N38444804W090225243-0200    +013660055100004615 0IIJAK1
        SUSAP KSTLK3GRW11     0090011222 N38453583W090243555-0700    +015700061800005915 0IIOGZ3
        SUSAP KSTLK3GRW12L    0090031222 N38450641W090215866+0800    +012970052800005415 0IILDZ3
        SUSAP KSTLK3GRW12R    0110191222 N38451159W090223998+0400    +013320054004675420 0IILMR1
        SUSAP KSTLK3GRW24     0076072428 N38452238W090212702+0200    +013130053400005015 0IISTL1
        SUSAP KSTLK3GRW29     0090013022 N38444846W090225939+0700    +013810055600005615 0IIRQN1
        SUSAP KSTLK3GRW30L    0110193022 N38441708W090204942-0400    +014630058302015820 0IIBKY1    IRMKL
        SUSAP KSTLK3GRW30R    0090033022 N38441899W090202251-0800    +015290060500005715 0IISJW3
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QUALITY CHECKED

(11) Arrival Name	(12) Number	(13) STAR Computer Code	(14) Superseded Nr.	(15) Dated	(16) Effective Date
QBALL	EIGHT	QBALL.QBALL8	SEVEN	04-05-12	

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
	BNA	BNA	010		IF		FB					
	BNA	VISQA	020		TF		FB		277.3()	114.5		
	BNA	SCRCH	030		TF		FB		334.4()	051.8		
	BNA	CGI	040		TF		FB		334.4()	010.0		
	BNA	BREAK	050		TF		FB		335.5()	006.0		
	BNA	SNOKR	060		TF		FB		335.5()	009.0		
	BNA	FATSS	070		TF		FB		335.5()	026.7		
	BNA	QBALL	080		TF		FB		334.9()	017.3		
	MEM	MEM	010		IF		FB					
	MEM	CGI	020		TF		FB		007.5()	134.1		
	MEM	BREAK	030		TF		FB		335.5()	006.0		
	MEM	SNOKR	040		TF		FB		335.5()	009.0		
	MEM	FATSS	050		TF		FB		335.5()	026.7		
	MEM	QBALL	060		TF		FB		334.9()	017.3		
	PXV	PXV	010		IF		FB					
	PXV	MWA	020		TF		FB		257.4()	060.3		
	PXV	FATSS	030		TF		FB		275.0()	043.8		
	PXV	QBALL	040		TF		FB		334.9()	017.3		
	VISQA	VISQA	010		IF		FB					
	VISQA	SCRCH	020		TF		FB		334.4()	051.8		
	VISQA	CGI	030		TF		FB		334.4()	010.0		
	VISQA	BREAK	040		TF		FB		335.5()	006.0		
	VISQA	SNOKR	050		TF		FB		335.5()	009.0		
	VISQA	FATSS	060		TF		FB		335.5()	026.7		
	VISQA	QBALL	070		TF		FB		334.9()	017.3		
	RW06	QBALL	010		IF		FB					
	RW06	CHIKN	020		TF		FB		335.0()			
	RW11	QBALL	010		IF		FB					
	RW11	CHIKN	020		TF		FB		335.0()			
	RW12B	QBALL	010		IF		FB					
	RW12B	CHIKN	020		TF		FB		335.0()			
	RW24	QBALL	010		IF		FB					
	RW24	ESSAR	020		TF		FB		335.0()			
	RW29	QBALL	010		IF		FB					
	RW29	ESSAR	020		TF		FB		335.0()			
	RW30B	QBALL	010		IF		FB					
	RW30B	ESSAR	020		TF		FB		335.0()			

QUALITY CHECKED

(11) Arrival Name	(12) Number	(13) STAR Computer Code	(14) Superseded Nr.	(15) Dated	(16) Effective Date
QBALL	EIGHT	QBALL.QBALL8	SEVEN	04-05-12	

FAA Form 7100-3 (9/02)

POINT DATA

WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
BNA	N360813.06	W0864105.18	N3608.218	W08641.086
CGI	N371339.10	W0893420.60	N3713.652	W08934.343
MEM	N350054.42	W0895859.55	N3500.907	W08958.993
MWA	N374515.32	W0890042.00	N3745.255	W08900.700
PXV	N375541.95	W0874544.56	N3755.699	W08745.743
BREAK	N371907.41	W0893719.36	N3719.124	W08937.323
CHIKN	N383850.48	W0902139.39	N3838.841	W09021.657
ESSAR	N382127.42	W0901150.27	N3821.457	W09011.838
FATSS	N375154.28	W0895520.64	N3751.905	W08955.344
QBALL	N380743.35	W0900408.48	N3807.723	W09004.141
SCRCH	N370434.51	W0892903.73	N3704.575	W08929.062
SNOKR	N372725.23	W0894151.32	N3727.421	W08941.855
VISQA	N361725.49	W0890206.31	N3617.425	W08902.105
RW06	N384448.04	W0902252.43	N3844.801	W09022.874
RW11	N384535.83	W0902435.55	N3845.597	W09024.593
RW12L	N384506.41	W0902158.66	N3845.107	W09021.978
RW12R	N384511.59	W0902239.98	N3845.193	W09022.666
RW24	N384522.38	W0902127.02	N3845.373	W09021.450
RW29	N384448.46	W0902259.39	N3844.808	W09022.990
RW30L	N384417.08	W0902049.42	N3844.285	W09020.824
RW30R	N384418.99	W0902022.51	N3844.317	W09020.375

RUNWAY DATA

RWY	THRESHOLD ELEVATION	TCH
RW06	00551	46
RW11	00618	59
RW12L	00528	54
RW12R	00540	54
RW24	00534	50
RW29	00556	56
RW30L	00583	58
RW30R	00605	57

QUALITY CHECKED

(11) Arrival Name	(12) Number	(13) STAR Computer Code	(14) Superseded Nr.	(15) Dated	(16) Effective Date
QBALL	EIGHT	QBALL.QBALL8	SEVEN	04-05-12	