Flight Procedure Tracking Form	Action: FLIGHT CHECK	Task Type: STAR	Date Open: 06/04/2012	Task #: 2012060423582101001	Request #: 20120604235821
Procedure: STAR MOTZA SEVEN FORT WORTH TX KAFW		**Airport ID:** KAFW	**Airport:** FORT WORTH ALLIANCE		**Reimbursable #:**
City: FORT WORTH	**ST:** TX	**GPS #:**		**Estimated Chart Date:** 03/07/2013	**FICO #:**
Fac ID:	**Fac. Type:** Proc T	**Specialist:** STEVE NELSON			

Procedure Review

	Rec'd	Rel'd	Full Name	Comments
Lead:	06/04/2012	11/13/2012	JILL OLSON	
QA:	11/13/2012	11/13/2012	DAVID PUGLISI	
Liaison:	11/13/2012		Spurton	

P1

ESV REQUEST INCLUDED

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

pkg 1 of 1

FORT WORTH, TX FORT WORTH ALLIANCE (KAFW) MOTZA SEVEN (STAR) ENROUTE-YES FC: 1.8.13 PUB: 3.7.13

ATTACHED FORMS: ESV REPORTS; 7100-4; 7100-3; 8260-2(S): ACKME-INT, REV 2; GANJA-INT, REV 1; HEATR-INT, REV 4; IMPCO-INT, REV 2; KAJAY-INT, REV 3; MOOSE-INT, REV 2; MUDDE-INT, REV 1; PLEBS-INT, REV 2; TULSA (TUL) VTAC, REV 14; TURKI-INT, REV 5; ZANTO-INT, REV 2; (INFO ONLY) BORGER (BGD) VTAC, REV 12; BOWIE (UKW) VTAC, REV 4; GUTHRIE (GTH) VTAC, REV 7; MOTZA-INT, REV 1; PANHANDLE (PNH) VTAC, REV 3; TEXICO (TXO) VTAC, REV 9; WICHITA FALLS (SPS) VTAC, REV 10; WILL ROGERS (IRW) VTAC, REV 1.
CONTACT: JILL OLSON/STEVE BARNETT -AVJ-353 LEADS, 405.954.4014 / 405.954.9307.

MOTZA SEVEN ARRIVAL

DALLAS-FT WORTH, TEXAS

ARRIVAL DESCRIPTION

BORGER TRANSITION (BGD.MOTZA7): From over BGD VORTAC on BGD R-117 to HEATR INT, then on SPS R-299 to SPS VORTAC, then on SPS R-115 and UKW R-299 to UKW VORTAC, then on UKW R-159 to MOTZA INT. Thence . . . .

BOWIE TRANSITION (UKW.MOTZA7): From over UKW VORTAC on UKW R-159 to MOTZA INT. Thence . . . .

GUTHRIE TRANSITION (GTH.MOTZA7): From over GTH VORTAC on GTH R-063 to ZANTO INT, then on UKW R-283 to PLEBS INT, then on FUZ R-303 to MOTZA INT. Thence . . . .

MUDDE TRANSITION (MUDDE.MOTZA7): From over MUDDE INT on IRW R-166 to MOOSE INT, then on UKW R-015 to UKW VORTAC, then on UKW R-159 to MOTZA INT. Thence . . . .

PANHANDLE TRANSITION (PNH.MOTZA7): From over PNH VORTAC on PNH R-097 to HEATR INT, then on SPS R-299 to SPS VORTAC, then on SPS R-115 and UKW R-299 to UKW VORTAC, then on UKW R-159 to MOTZA INT. Thence . . . .

TEXICO TRANSITION (TXO.MOTZA7): From over TXO VORTAC on TXO R-086 to GANJA INT, then on UKW R-283 to PLEBS INT, then on FUZ R-303 to MOTZA INT. Thence . . . .

TULSA TRANSITION (TUL.MOTZA7): From over TUL VORTAC on TUL R-209 to MOOSE INT, then on UKW R-015 to UKW VORTAC, then on UKW R-159 to MOTZA INT. Thence . . . .

WICHITA FALLS TRANSITION (SPS.MOTZA7): From over SPS VORTAC on SPS R-115 and UKW R-299 to UKW VORTAC, then on UKW R-159 to MOTZA INT. Thence . . . .

WILL ROGERS TRANSITION (IRW.MOTZA7): From over IRW VORTAC on IRW R-166 to MOOSE INT, then on UKW R-015 to UKW VORTAC, then on UKW R-159 to MOTZA INT. Thence . . . .

. . . . From over MOTZA INT, thence via heading 140° for vectors to final approach course.

PROTOTYPE: NOT FOR NAVIGATION

ESV Details

Originating Office :	Airspace Docket Number :	Request Type : Establish	
Facility Data			
Chart Name : ADA VOR/DME	City : ADA	Ident : ADH	State : OK
Type/Class : T-VOR	Frequency : M117.8	Reference No.: 12086302	

Expanded Service Volume Data: (Requesting Officer)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude
NG 081072-006	275	0	45	100	175

Requirement: FIX MUDDE ON BOWIE ARRIVAL		
Signature: NELSON STEVEN	Routing Symbol: AJV-353	Date: 08/20/2012

Expanded Service Volume Data: (FMO)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude	Action Type
NG 081072-006	275	0	45	100	175	APPROVE

Requirement/Remarks: FIX MUDDE ON BOWIE ARRIVALAPPROVED. PEND. FLIGHT CHK/INSPECT @ THE REQ. DIST. AND MIN ALT.		
Signature: mai kimberly	Routing Symbol:	Date: 08/23/2012

Expanded Service Volume Data: (Super FMO)

ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude	Action Type
NG 081072-006	275	0	45	100	175	APPROVE

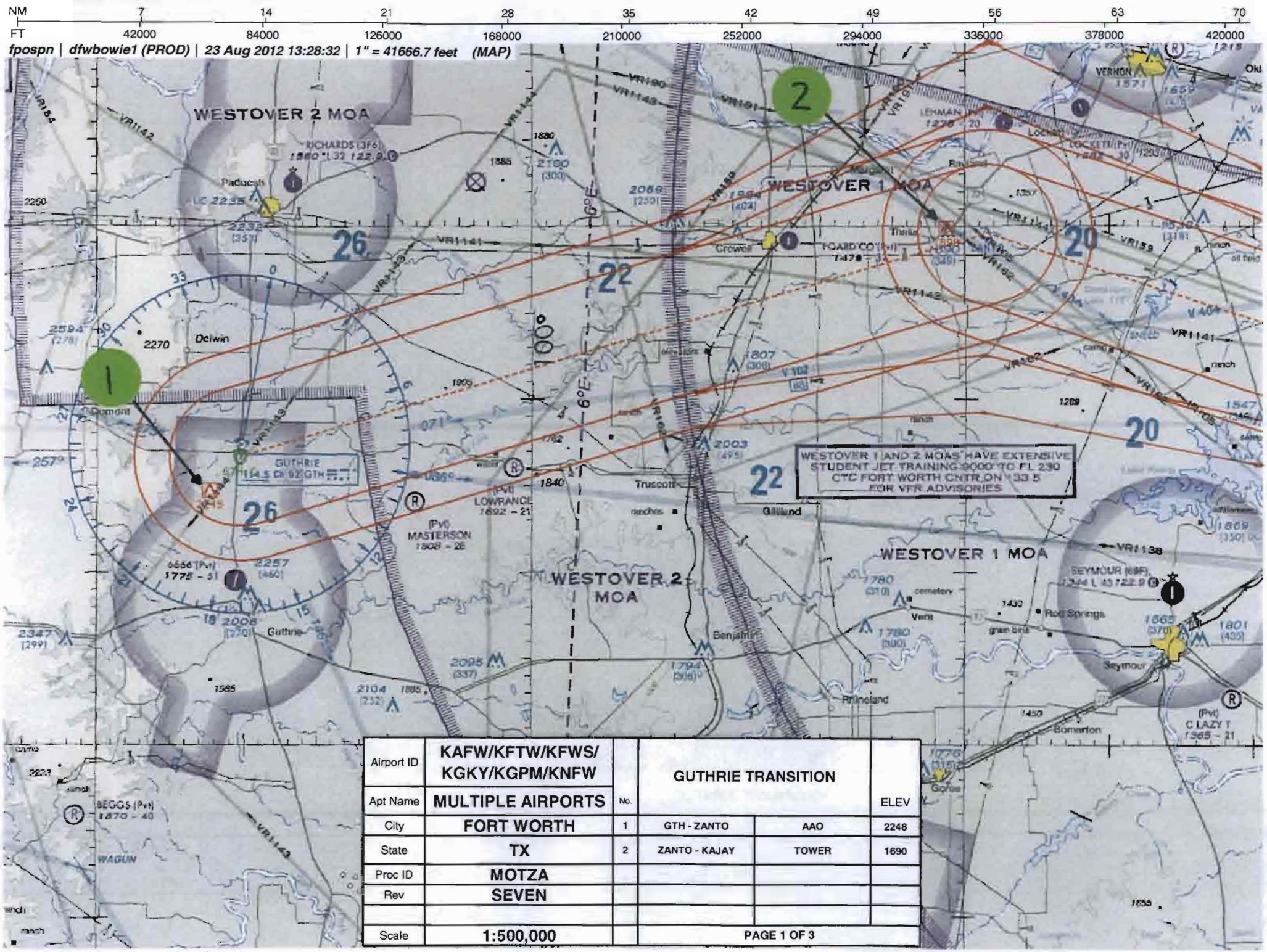
Requirement/Remarks: FIX MUDDE ON BOWIE ARRIVALAPPROVED. PEND. FLIGHT CHK/INSPECT @ THE REQ. DIST. AND MIN ALT.		
Signature: CHRISTEIN THOMAS	Routing Symbol:	Date: 08/27/2012

Expanded Service Volume Data: (FIFO)

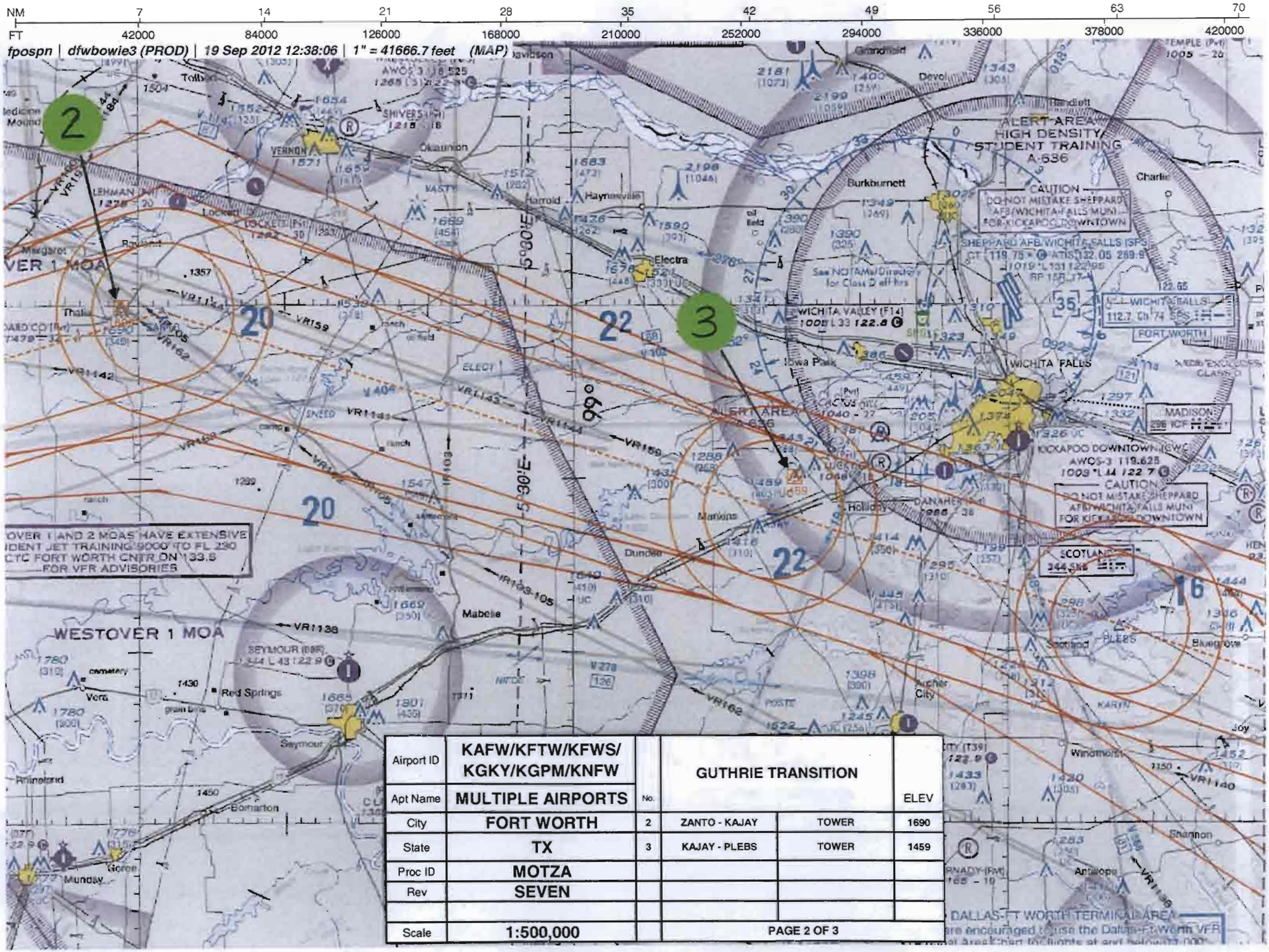
ESV ID	Radial 1	Radial 2	Distance	Minimum Altitude	Maximum Altitude	Action Type
NG 081072-006	275	0				

Requirement/Remarks:		
Signature:	Routing Symbol:	Date:

NM 7 14 21 28 35 42 49
FT 42000 84000 126000 168000 210000 252000 294000
fpospn | afwmotza2 (PROD) | 27 Aug 2012 08:43:50 | 1" = 41666.7 feet (MAP)
30
12
32
21
33
19
Chico
Decatur
Bridgeport
Boonsville
Springtown
Weatherford
Fort Worth
Arlington
Denton
Ponder
Justin
Roanoke
Haslet
Crowley
Burleson
Azle
Keller
Sanger
Valley View
Sunset
Park Springs
Crafton
Alvord
Cundiff
Newport
Pool Ville
Peaster
Millsap
Lipan
Midlothian
Venus
Britton
DECATUR (LOM) AWOS-3 118.225
BRIDGEPORT (XBF) AWOS-3 119.225
EUGENES DREAM 905 - 32 122.725
FLYING E 850 - 19
CROSS WIND 1040 - 21
WINDY TALES 980 - 22
BLUE SKIES 960 - 26
FLYING OAKS (Pvt) 720 - 28
LOG CABIN 1100 - 11
TAILSPIN 830 - 26
HORSESHOE BEND (F78) 715 - 30 122.9
DRIFTWOOD 710 - 30
CHIGGER (Pvt) 950 - 30
HIGH PERFORMANCE MILITARY JET ACTIVITY 8000' AND BELOW WITHIN 12 NM OF NFW
MODE C 30 NM
MOTZA
DENTON (DTO) ATIS 119.55 ASOS 119.325
DALLAS/FT WORTH INTL (DFW) CT 124.15 135.55 127.5 134.9 ATIS 123.775
FT WORTH MEACHAM INTL (FTW) CT 118.3 ATIS 120.7
FT WORTH NAS-RB/CARSWELL (NFW) 120.95 ATIS 273.575
ARLINGTON (GKY) CT 128.625 ASOS 127.375
FT WORTH ALLIANCE (AFW) T 135.15 ATIS 126.925
RANGE 113.7 Ch 104
NO SVFR
AOE
See NOTAMs/Directory for Class D op hrs
See NOTAMs/Directory for Class D op hrs
See NOTAMs/Directory for Class D op hrs
Airport ID KAFW/KFTW/KFWS/ KGKY/KGPM/KNFW
Apt Name MULTIPLE AIRPORTS
City FORT WORTH
State TX
Proc ID MOTZA
Rev SEVEN
Scale 1:500,000
No. 12
COMMON ROUTE
MOTZA - 140°
TOWER
ELEV 1280



Airport ID	KAFW/KFTW/KFWS/ KGKY/KGPM/KNFW		GUTHRIE TRANSITION		
Apt Name	MULTIPLE AIRPORTS	No.			ELEV
City	FORT WORTH	1	GTH - ZANTO	AAO	2248
State	TX	2	ZANTO - KAJAY	TOWER	1690
Proc ID	MOTZA				
Rev	SEVEN				
Scale	1:500,000		PAGE 1 OF 3		

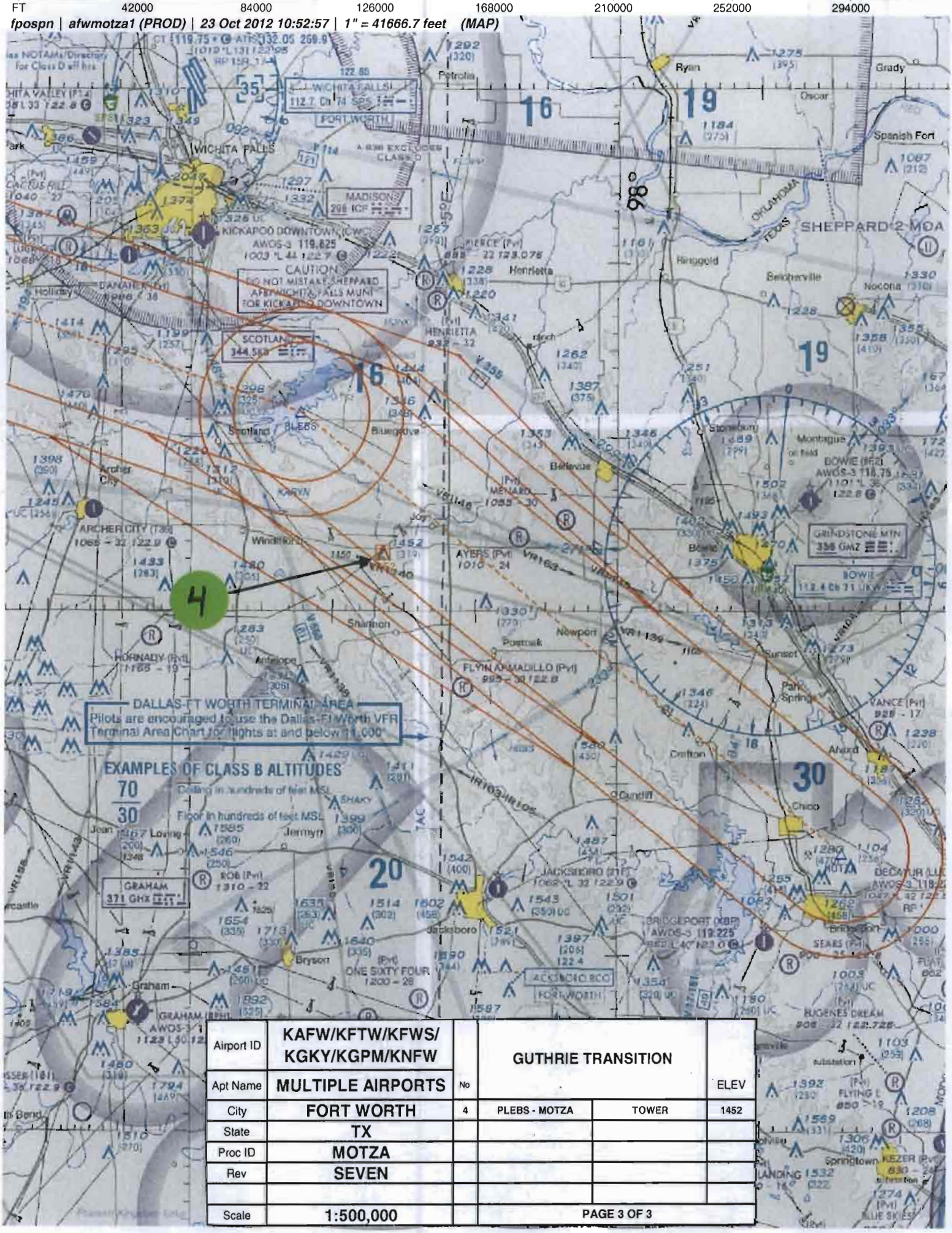


Airport ID	KAFW/KFTW/KFWS/ KGKY/KGPM/KNFW		GUTHRIE TRANSITION		
Apt Name	MULTIPLE AIRPORTS	No.			ELEV
City	FORT WORTH	2	ZANTO - KAJAY	TOWER	1690
State	TX	3	KAJAY - PLEBS	TOWER	1459
Proc ID	MOTZA				
Rev	SEVEN				
Scale	1:500,000		PAGE 2 OF 3		

NM 7 14 21 28 35 42 49

FT 42000 84000 126000 168000 210000 252000 294000

fpospn | afwmotza1 (PROD) | 23 Oct 2012 10:52:57 | 1" = 41666.7 feet (MAP)



Airport ID	KAFW/KFTW/KFWS/ KGKY/KGPM/KNFW	No	GUTHRIE TRANSITION		ELEV
Apt Name	MULTIPLE AIRPORTS				
City	FORT WORTH	4	PLEBS - MOTZA	TOWER	1452
State	TX				
Proc ID	MOTZA				
Rev	SEVEN				
Scale	1:500,000		PAGE 3 OF 3		

NM		7	14	21	28	35	42	49
FT		42000	84000	126000	168000	210000	252000	294000

fpospn | dfwbowie1 (PROD) | 23 Aug 2012 13:40:50 | 1" = 41666.7 feet (MAP)

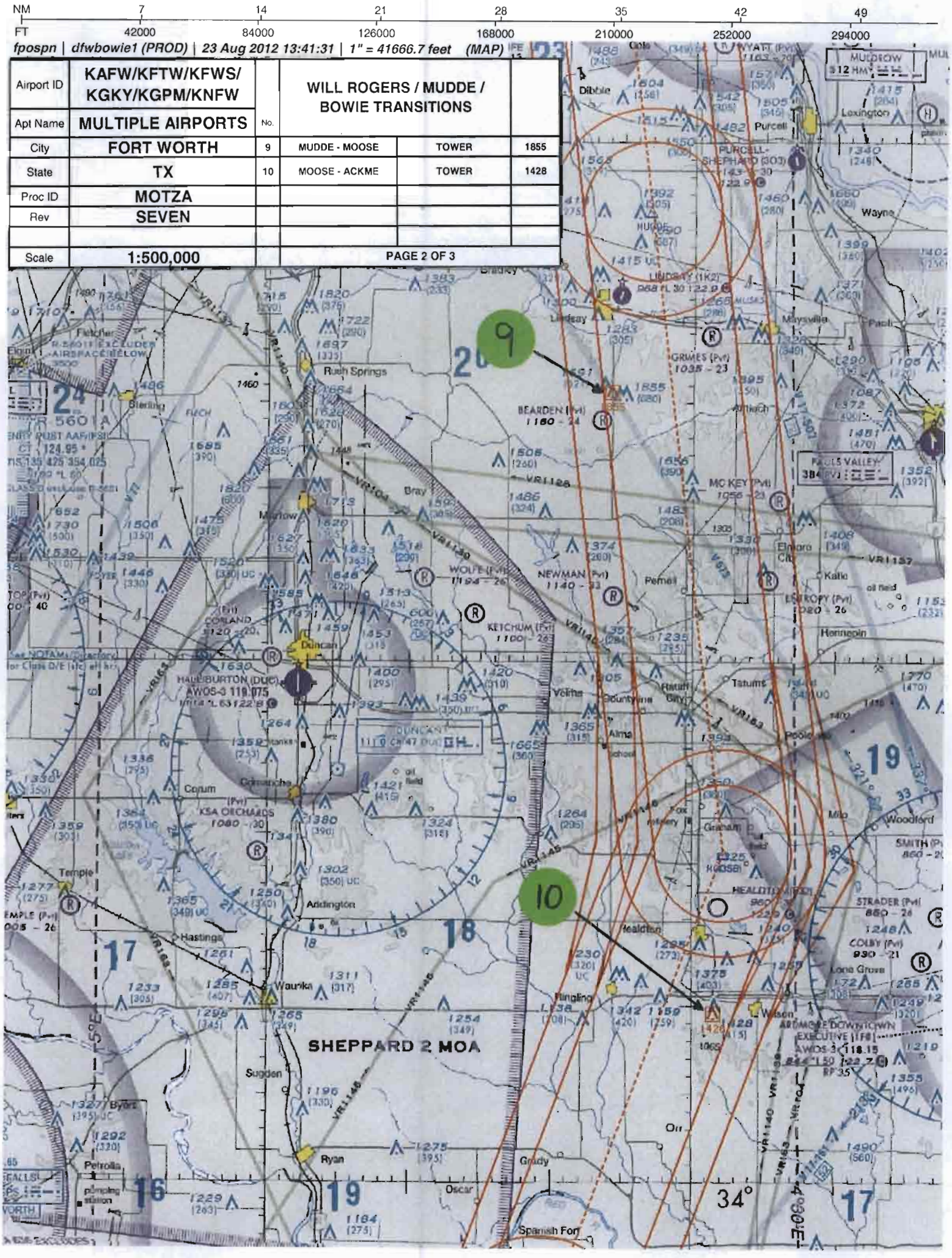
Airport ID	KAFW/KFTW/KFWS/ KGKY/KGPM/KNFW		WILL ROGERS / MUDDE / BOWIE TRANSITIONS		
Apt Name	MULTIPLE AIRPORTS	No.			ELEV
City	FORT WORTH	8	IRW - MUDDE	TOWER	2049
State	TX	9	MUDDE - MOOSE	TOWER	1855
Proc ID	MOTZA				
Rev	SEVEN				
Scale	1:500,000		PAGE 1 OF 3		

NM 7 14 21 28 35 42 49

FT 42000 84000 126000 168000 210000 252000 294000

fpospn | dfwbowie1 (PROD) | 23 Aug 2012 13:41:31 | 1" = 41666.7 feet (MAP)

Airport ID	KAFW/KFTW/KFWS/ KGKY/KGPM/KNFW		WILL ROGERS / MUDDE / BOWIE TRANSITIONS		
Apt Name	MULTIPLE AIRPORTS	No.			
City	FORT WORTH	9	MUDDE - MOOSE	TOWER	1855
State	TX	10	MOOSE - ACKME	TOWER	1428
Proc ID	MOTZA				
Rev	SEVEN				
Scale	1:500,000		PAGE 2 OF 3		

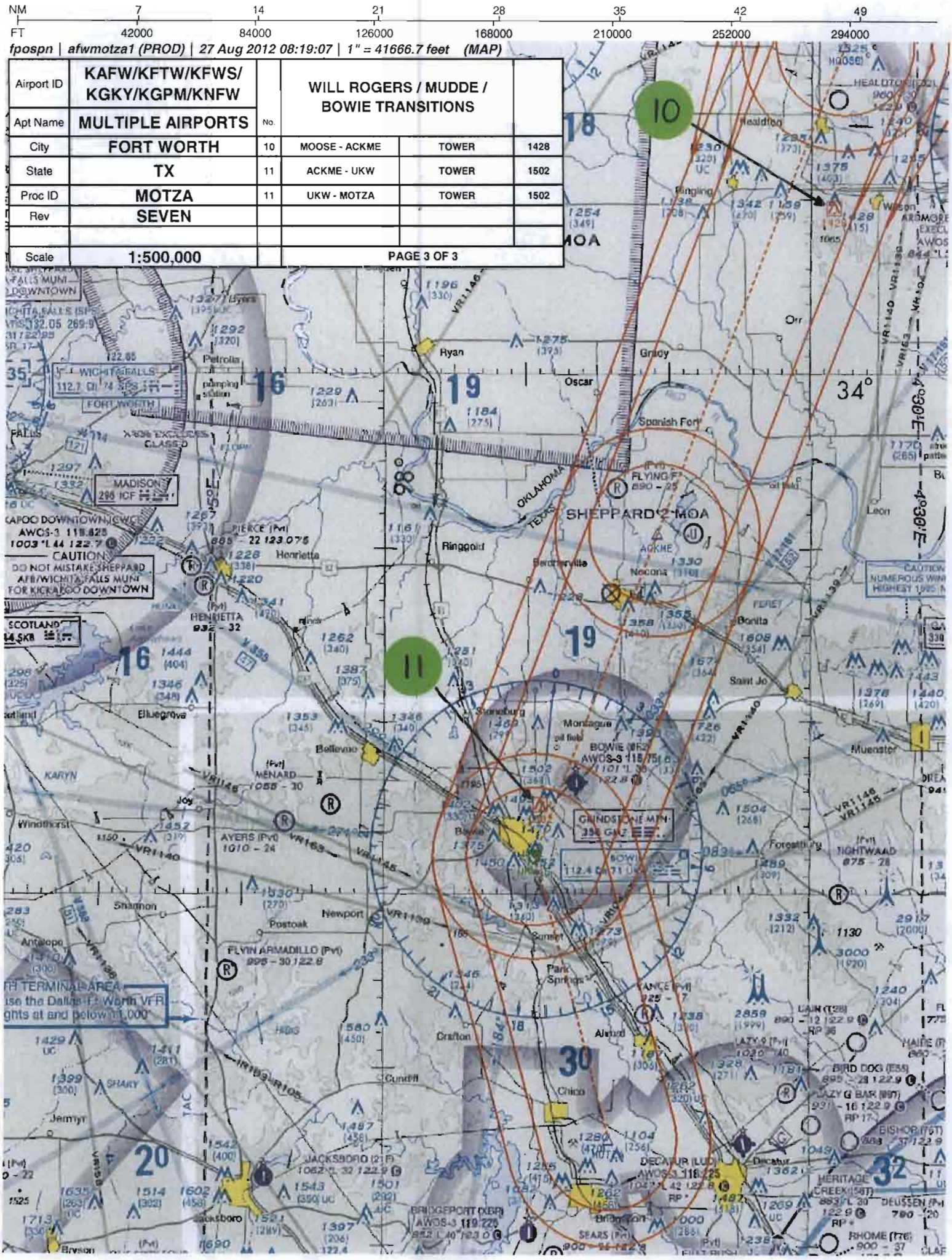


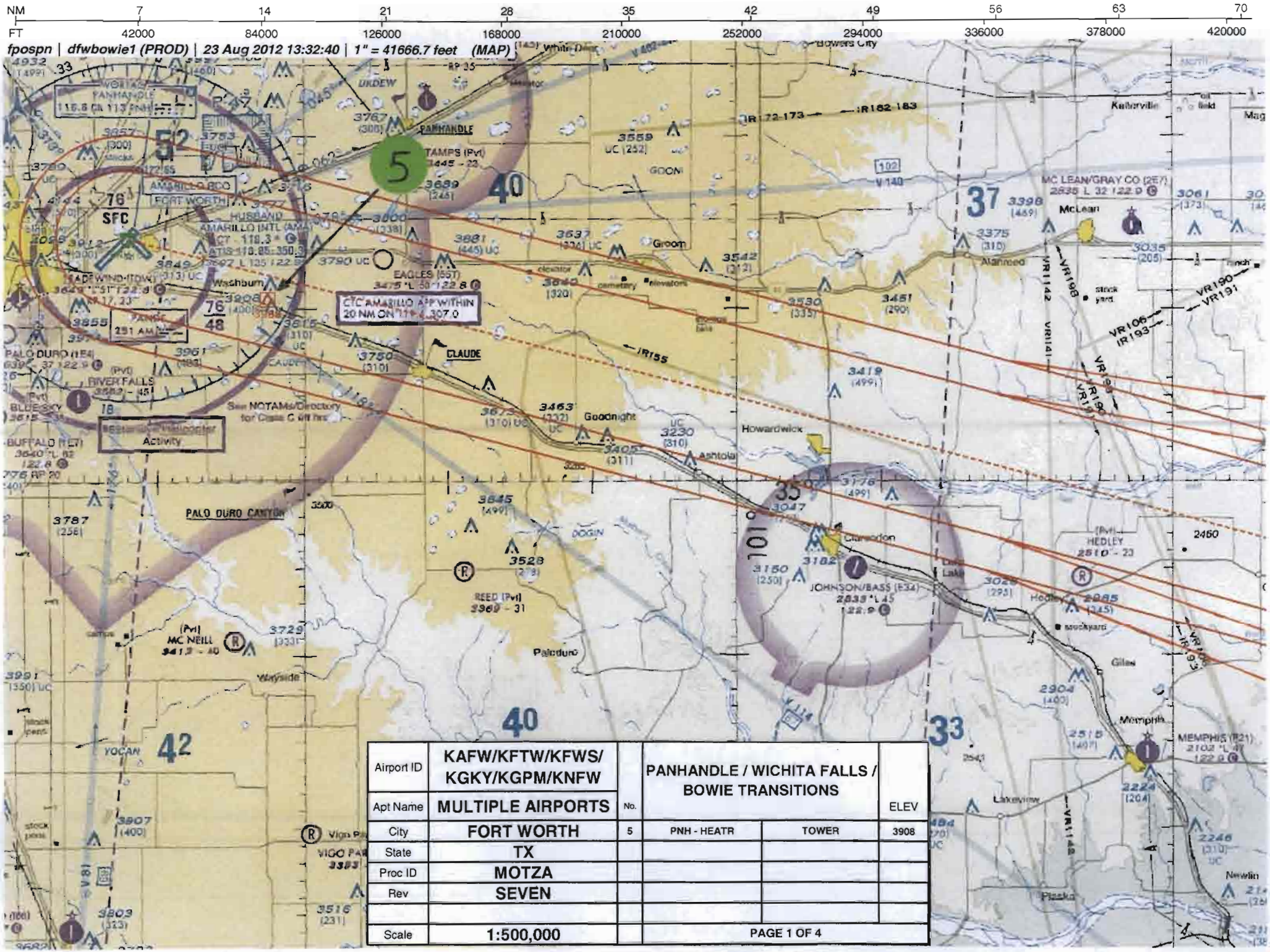
NM 7 14 21 28 35 42 49

FT 42000 84000 126000 168000 210000 252000 294000

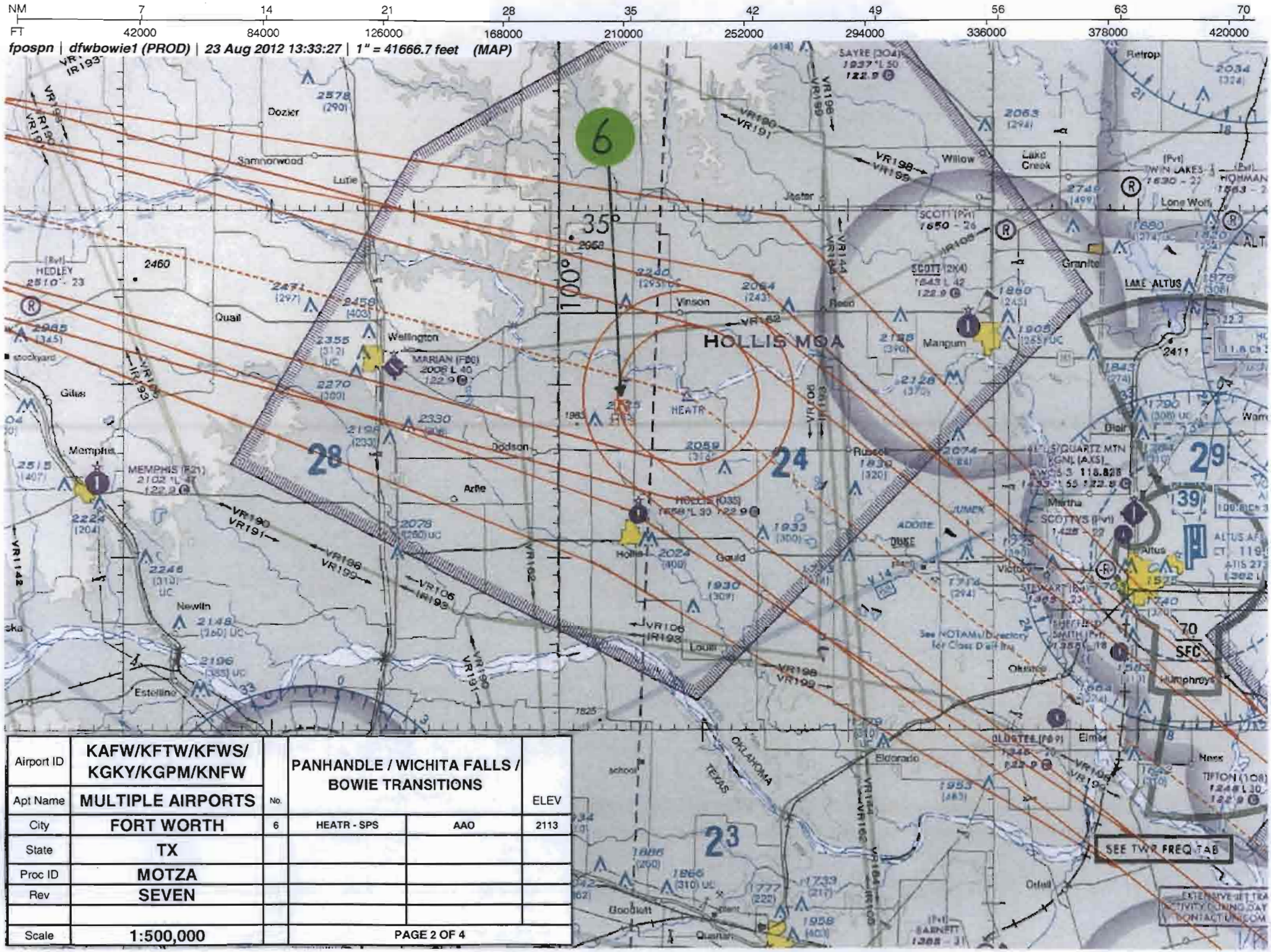
fpospn | afwmotza1 (PROD) | 27 Aug 2012 08:19:07 | 1" = 41666.7 feet (MAP)

Airport ID	KAFW/KFTW/KFWS/ KGKY/KGPM/KNFW		WILL ROGERS / MUDDE / BOWIE TRANSITIONS		
Apt Name	MULTIPLE AIRPORTS	No.			
City	FORT WORTH	10	MOOSE - ACKME	TOWER	1428
State	TX	11	ACKME - UKW	TOWER	1502
Proc ID	MOTZA	11	UKW - MOTZA	TOWER	1502
Rev	SEVEN				
Scale	1:500,000		PAGE 3 OF 3		





Airport ID	KAFW/KFTW/KFWS/ KGKY/KGPM/KNFW	No.	PANHANDLE / WICHITA FALLS / BOWIE TRANSITIONS		ELEV
Apt Name	MULTIPLE AIRPORTS				
City	FORT WORTH	5	PNH - HEATR	TOWER	3908
State	TX				
Proc ID	MOTZA				
Rev	SEVEN				
Scale	1:500,000		PAGE 1 OF 4		



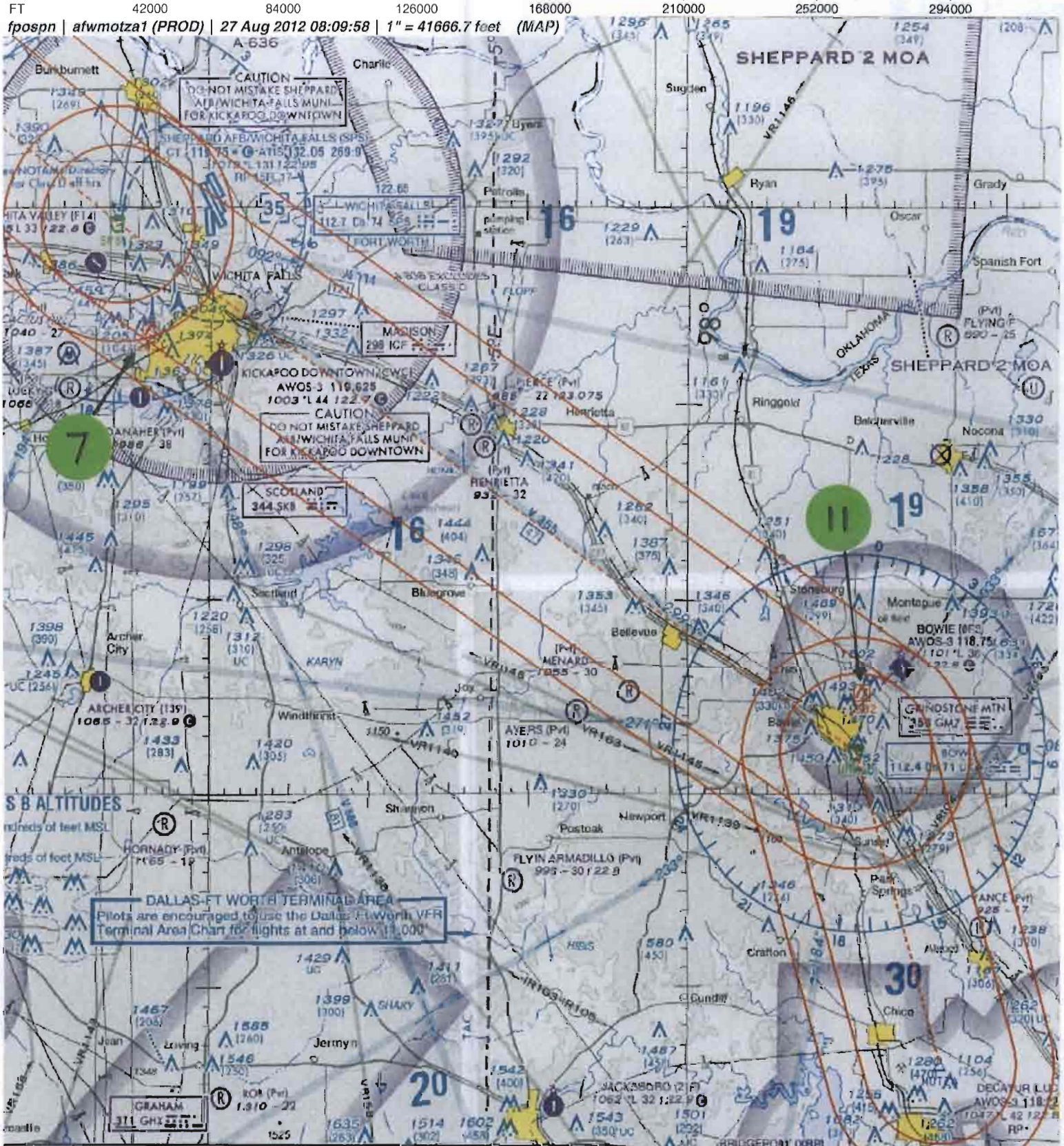
Airport ID	KAFW/KFTW/KFWS/ KGKY/KGPM/KNFW		PANHANDLE / WICHITA FALLS / BOWIE TRANSITIONS		ELEV
Apt Name	MULTIPLE AIRPORTS	No.			
City	FORT WORTH	6	HEATR - SPS	AAO	2113
State	TX				
Proc ID	MOTZA				
Rev	SEVEN				
Scale	1:500,000		PAGE 2 OF 4		

NM | 7 | 14 | 21 | 28 | 35 | 42 | 49

FT | 42000 | 84000 | 126000 | 168000 | 210000 | 252000 | 294000

fpospn | dfwbowie1 (PROD) | 24 Aug 2012 06:57:19 | 1" = 41750.1 feet (MAP)

Airport ID	KAFW/KFTW/KFWS/KGKY/KGPM/KNFW		PANHANDLE / WICHITA FALLS / BOWIE TRANSITIONS		
Apt Name	MULTIPLE AIRPORTS	No.			ELEV
City	FORT WORTH	7	SPS - UKW	TOWER	2051
State	TX				
Proc ID	MOTZA				
Rev	SEVEN				
Scale	1:500,000		PAGE 3 OF 4		



Airport ID	KAFW/KFTW/KFWS/ KGKY/KGPM/KNFW	No.	PANHANDLE / WICHITA FALLS / BOWIE TRANSITIONS		ELEV
Apt Name	MULTIPLE AIRPORTS				
City	FORT WORTH	7	SPS - UKW	TOWER	2051
State	TX	11	UKW - MOTZA	TOWER	1502
Proc ID	MOTZA				
Rev	SEVEN				
Scale	1:500,000		PAGE 4 OF 4		

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) Mag Course/ Distance	(f) MEA	(g) MOCA	(h) MAA	(i) Crossing Altitudes / Fixes
BORGER	BGD.MOTZA7	BGD VORTAC	HEATR INT	116.58/95.56	FL190			
			SPS VORTAC	119.17/80.00 (SPS R-299)	10000			
			UKW VORTAC	114.77 & 119.20/47.15 (SPS R-115 & UKW R-299)	5000			
			MOTZA INT	158.69/16.75	5000			
BOWIE	UKW.MOTZA7	UKW VORTAC	MOTZA INT	158.69/16.75	5000			
GUTHRIE	GTH.MOTZA7	GTH VORTAC	ZANTO INT	063.00/45.12	10000			
			KAJAY INT	102.90/37.00 (UKW R-283)	10000			
			PLEBS INT	102.90/21.00 (UKW R-283)	5000			
			MOTZA INT	123.08/40.84 (FUZ R-303)	5000			
MUDDE	MUDDE.MOTZA7	MUDDE INT	MOOSE INT	166.27/37.40	10000			
			ACKME INT	195.00/30.00 (UKW R-015)	5000			
			UKW VORTAC	195.00/20.00 (UKW R-015)	5000			
			MOTZA INT	158.69/16.75	5000			

(continued)

(2) Arrival Route Description: THENCE....
....FROM OVER MOTZA INT, THENCE VIA HEADING 140.00 FOR VECTOR TO FINAL APPROACH COURSE.

(3) Procedural Data Notes: MUDDE TRANSITION FOR OKC TERMINAL DEPARTURES ONLY.
TURBOJETS: EXPECT TO CROSS KAJAY AT FL240, EXPECT TO CROSS SPS AT FL240, EXPECT TO CROSS MOTZA AT 8000.
RADAR REQUIRED.

(4) Fixes and/or Holding Patterns: CHART: UKW VORTAC HOLD W, LT, 102.90 INBOUND. PLEBS HOLD W, LT, 102.90 INBOUND. ZANTO HOLD W, LT, 102.90 INBOUND. TURKI HOLD W, RT, 086.00 INBOUND. SPS VORTAC HOLD N, LT, 168.00 INBOUND. ACKME HOLD N, RT, 195.00 INBOUND. KAJAY HOLD W, RT, 102.90 INBOUND. MOOSE HOLD N, LT, 195.00 INBOUND. HEATR HOLD NW, LT, 119.17 INBOUND.

(5) Communications:

QUALITY CHECKED

(6) Arrival Name	(7) Number	(8) STAR Computer Code	(9) Superseded Nr.	(10) Dated	(11) Effective Date
MOTZA	SEVEN	MOTZA.MOTZA7	SIX	05 JUN 2000	

(12) Airports Served	
Airport Name ARLINGTON MUNI	**City/State** ARLINGTON, TX
Airport Name FORT WORTH ALLIANCE	**City/State** FORT WORTH, TX
Airport Name FORT WORTH MEACHAM INTL	**City/State** FORT WORTH, TX
Airport Name FORT WORTH SPINKS	**City/State** FORT WORTH, TX
Airport Name FORT WORTH NAS JRB/CARSWELL FIELD	**City/State** FORT WORTH, TX
Airport Name GRAND PRAIRIE MUNI	**City/State** GRAND PRAIRIE, TX

(13) Lost Communications Procedure:

(14) Remarks:

(15) Additional Flight Data: CHART: ADH VOR/DME, ADM VORTAC, ABI VORTAC, CDS VORTAC, FUZ VORTAC, MQP VORTAC.
CHART: DME FROM PNH VORTAC AT HEATR.
CHART: DME FROM TXO VORTAC AT TURKI AND GANJA.
CHART: DME FROM TUL VORTAC AT IMPCO.
CHART: DME FROM GTH VORTAC AT ZANTO.
CHART: DME FROM UKW VORTAC AT PLEBS, KAJAY, ZANTO, GANJA, ACKME, AND MOOSE.
CHART: DME FROM FUZ VORTAC AT MOTZA AND PLEBS.
CHART: DME FROM IRW VORTAC AT MUDDE AND MOOSE.

QUALITY CHECKED

(6) Arrival Name	(7) Number	(8) STAR Computer Code	(9) Superseded Nr.	(10) Dated	(11) Effective Date
MOTZA	SEVEN	MOTZA.MOTZA7	SIX	15 JUN 2000	

(16) Continuation:

(1) Transition Routes

(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
PANHANDLE	PNH.MOTZA7	PNH VORTAC	HEATR INT	096.57/94.41	15000			
			SPS VORTAC	119.17/80.00 (SPS R-299)	10000			
			UKW VORTAC	114.77 & 119.20/47.15 (SPS R-115 & UKW R-299)	5000			
			MOTZA INT	158.69/16.75	5000			
WICHITA FALLS	SPS.MOTZA7	SPS VORTAC	UKW VORTAC	114.77 & 119.20/47.15 (SPS R-115 & UKW R-299)	5000			
			MOTZA INT	158.69/16.75	5000			
WILL ROGERS	IRW.MOTZA7	IRW VORTAC	MUDDE INT	166.27/25.56	10000			
			MOOSE INT	166.27/37.40	10000			
			ACKME INT	195.00/30.00 (UKW R-015)	5000			
			UKW VORTAC	195.00/20.00 (UKW R-015)	5000			
			MOTZA INT	158.69/16.75	5000			
TEXICO	TXO.MOTZA7	TXO VORTAC	TURKI/89.08 DME	086.00/89.08	FL180			
			GANJA INT	086.00/40.52	FL180			
			ZANTO INT	102.90/40.98 (UKW R-283)	FL180			
			KAJAY INT	102.90/37.00 (UKW R-283)	10000			
			PLEBS INT	102.90/21.00 (UKW R-283)	5000			
			MOTZA INT	123.08/40.84 (FUZ R-303)	5000			
TULSA	TUL.MOTZA7	TUL VORTAC	IMPCO INT	208.59/96.00	FL220			
			MOOSE INT	208.59/43.49	FL220			
			ACKME INT	195.00/30.00 (UKW R-015)	5000			
			UKW VORTAC	195.00/20.00 (UKW R-015)	5000			
			MOTZA INT	158.69/16.75	5000			

(5) Arrival Name	(6) Number	(7) STAR Computer Code	(8) Superseded Nr.	(9) Dated	(10) Effective Date
MOTZA	SEVEN	MOTZA.MOTZA7	SIX	15 JUN 2000	

(17) Changes:

1. ADDED MUDDE TRANSITION.
2. ADDED MUDDE TO WILL ROGERS TRANSITION.

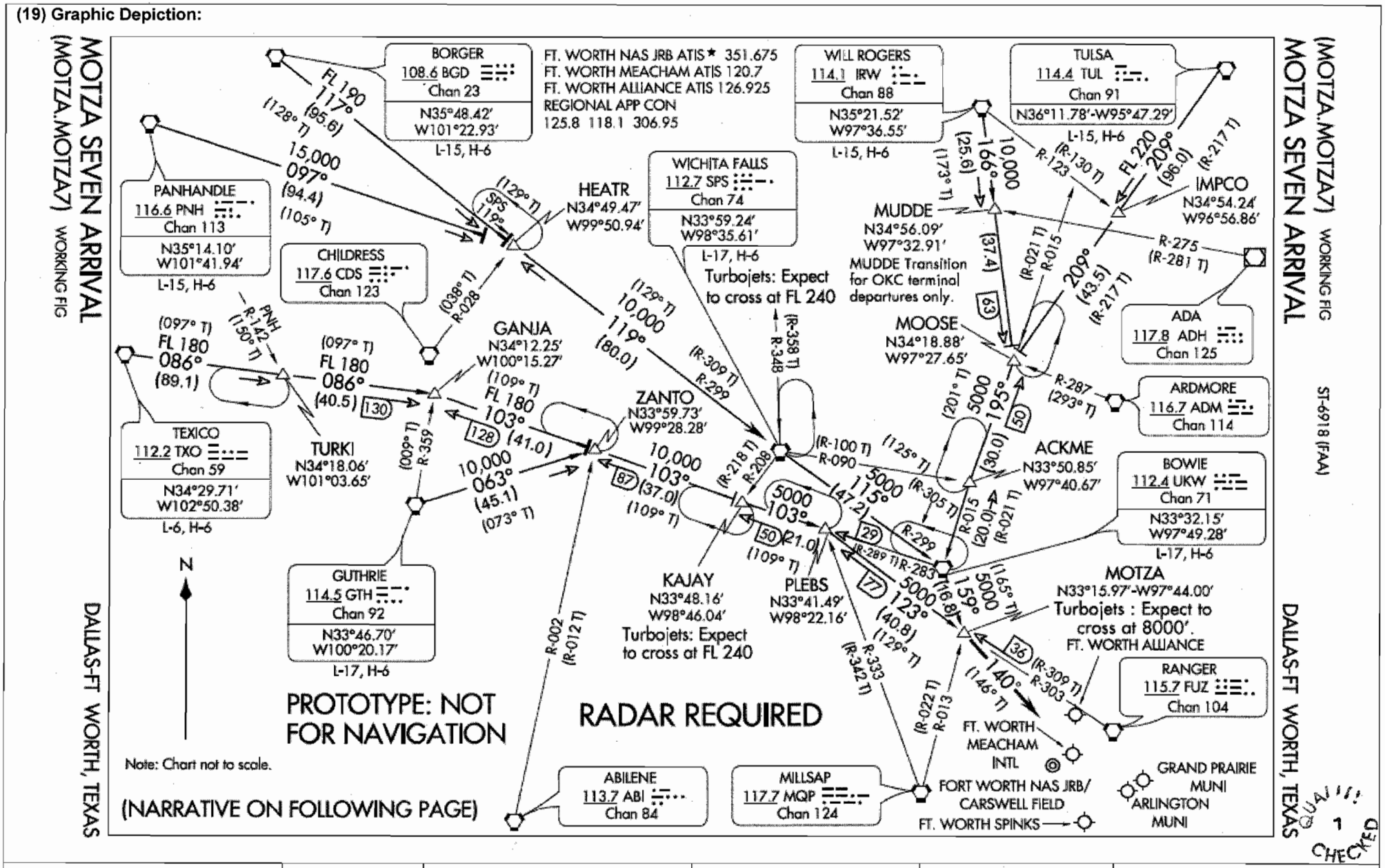
(18) Reasons for Changes:

1-2. ATC REQUEST TO ADD A TRANSITION/FIX BEGINNING ON THE OKC TRACON AIRSPACE BOUNDARY.

	Name *(Typed and Signed)*, Title and Organization		DATE
Developed By	Chris Rowlette, Support Mgr, Airspace and Procedures, Fort Worth ARTC Center		2-8-2012
Approved	**FIFO**		
	Reg. ATD		

(5) Arrival Name	(6) Number	(7) STAR Computer Code	(8) Superseded Nr.	(9) Dated	(10) Effective Date
MOTZA	SEVEN	MOTZA.MOTZA7	SIX	15 JUN 2000	

(19) Graphic Depiction:



(6) Arrival Name	(7) Number	(8) STAR Computer Code	(9) Superseded Nr.	(10) Dated	(11) Effective Date
MOTZA	SEVEN	MOTZA.MOTZA7	SIX	15 JUN 2000	

FAA Form 7100-4 (7/02)

US Department of Transportation
Federal Aviation Administration

STAR (Data Record)

ARINC PACKET - 424-18 - STAR

```
                 1         2         3         4         5         6         7         8         9         0         1         2         3
NAVAID  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAD        BGD   K4010860VTLW N35482546W101225575    N35482546W101225575E0110031301     NARBORGER
        SUSAD        GTH   K4011450VTLW N33464180W100201031    N33464180W100201031E0100019411     NARGUTHRIE
        SUSAD        IRW   K4011410VTHA N35213095W097363322    N35213095W097363322E0070012302     NARWILL ROGERS
        SUSAD        PNH   K4011660VTHA N35140623W101415652    N35140623W101415652E0080035952     NARPANHANDLE
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        SUSAD        TUL   K4011440VTHW N36114651W095471713    N36114651W095471713E0080007882     NARTULSA
        SUSAD        TXO   K4011220VTHW N34294246W102502279    N34294246W102502279E0110040602     NARTEXICO
        SUSAD        UKW   K4011240VTHA N33320919W097491660    N33320919W097491660E0060011022     NARBOWIE

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        SUSAEAENRT   GANJA K40    R   H N34121508W100151630                    E0058    NAR          GANJA
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        SUSAEAENRT   KAJAY K40    R   B N33480973W098460262                    E0050    NAR          KAJAY
        SUSAEAENRT   MOOSE K40    R   B N34185307W097273870                    E0042    NAR          MOOSE
        SUSAEAENRT   MOTZA K40    R   L N33155812W097440012                    E0044    NAR          MOTZA
        SUSAEAENRT   MUDDE K40    C   B N34560544W097325463                    E0043    NAR          MUDDE
        SUSAEAENRT   PLEBS K40    R   B N33412948W098220953                    E0047    NAR          PLEBS
        SUSAEAENRT   TURKI K40    R   H N34180333W101033902                    E0063    NAR          TURKI
        SUSAEAENRT   ZANTO K40    R   H N33594360W099281656                    E0054    NAR          ZANTO

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AIRPORT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
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SEGMENT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
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        SUSAP KAFWK4EMOTZA71BGD   020HEATRK4EA0E  H    TF                  11660956
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QUALITY CHECKED

(11) Arrival Name	(12) Number	(13) STAR Computer Code	(14) Superseded Nr.	(15) Dated	(16) Effective Date
MOTZA	SEVEN	MOTZA.MOTZA7	SIX	05 JUN 2000	

FAA Form 7100-3 (9/02)

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SUSAP KAFWK4EMOTZA71GTH   010GTH  K4D 0V       IF                                  18000
SUSAP KAFWK4EMOTZA71GTH   020ZANTOK4EA0E  H    TF              06300451
SUSAP KAFWK4EMOTZA71GTH   030KAJAYK4EA0E  H    TF              10290370
SUSAP KAFWK4EMOTZA71GTH   040PLEBSK4EA0E  H    TF              10290210
SUSAP KAFWK4EMOTZA71GTH   050MOTZAK4EA0EE       TF              12310408
SUSAP KAFWK4EMOTZA71IRW   010IRW  K4D 0V       IF                                  18000
SUSAP KAFWK4EMOTZA71IRW   020MUDDEK4EA0E        TF              16630256
SUSAP KAFWK4EMOTZA71IRW   030MOOSEK4EA0E  H    TF              16630374
SUSAP KAFWK4EMOTZA71IRW   040ACKMEK4EA0E  H    TF              19500300
SUSAP KAFWK4EMOTZA71IRW   050UKW  K4D 0V  H    TF              19500200
SUSAP KAFWK4EMOTZA71IRW   060MOTZAK4EA0EE       TF              15870168
SUSAP KAFWK4EMOTZA71MUDDE 010MUDDEK4EA0E        IF                                  18000
SUSAP KAFWK4EMOTZA71MUDDE 020MOOSEK4EA0E  H     TF              16630374
SUSAP KAFWK4EMOTZA71MUDDE 030ACKMEK4EA0E  H     TF              19500300
SUSAP KAFWK4EMOTZA71MUDDE 040UKW  K4D 0V  H     TF              19500200
SUSAP KAFWK4EMOTZA71MUDDE 050MOTZAK4EA0EE       TF              15870168
SUSAP KAFWK4EMOTZA71PNH   010PNH  K4D 0V        IF                                  18000
SUSAP KAFWK4EMOTZA71PNH   020HEATRK4EA0E  H     TF              09660944
SUSAP KAFWK4EMOTZA71PNH   030SPS  K4D 0V  H     TF              11920800
SUSAP KAFWK4EMOTZA71PNH   040UKW  K4D 0V  H     TF              11480472
SUSAP KAFWK4EMOTZA71PNH   050MOTZAK4EA0EE       TF              15870168
SUSAP KAFWK4EMOTZA71SPS   010SPS  K4D 0V  H     IF                                  18000
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SUSAP KAFWK4EMOTZA71SPS   030MOTZAK4EA0EE       TF              15870168
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SUSAP KAFWK4EMOTZA71TUL   020IMPCOK4EA0E        TF              20860960
SUSAP KAFWK4EMOTZA71TUL   030MOOSEK4EA0E  H     TF              20860435
SUSAP KAFWK4EMOTZA71TUL   040ACKMEK4EA0E  H     TF              19500300
SUSAP KAFWK4EMOTZA71TUL   050UKW  K4D 0V  H     TF              19500200
SUSAP KAFWK4EMOTZA71TUL   060MOTZAK4EA0EE       TF              15870168
SUSAP KAFWK4EMOTZA71TXO   010TXO  K4D 0V        IF                                  18000
SUSAP KAFWK4EMOTZA71TXO   020TURKIK4EA0E  H     TF              08600891
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SUSAP KAFWK4EMOTZA71TXO   040ZANTOK4EA0E  H     TF              10290410
SUSAP KAFWK4EMOTZA71TXO   050KAJAYK4EA0E  H     TF              10290370
SUSAP KAFWK4EMOTZA71TXO   060PLEBSK4EA0E  H     TF              10290210
SUSAP KAFWK4EMOTZA71TXO   070MOTZAK4EA0EE       TF              12310408
SUSAP KAFWK4EMOTZA71UKW   010UKW  K4D 0V  H     IF                                  18000
SUSAP KAFWK4EMOTZA71UKW   020MOTZAK4EA0EE       TF              15870168
SUSAP KAFWK4EMOTZA72ALL   010MOTZAK4EA0E        IF                                  18000
SUSAP KAFWK4EMOTZA72ALL   020KAFW K4PA0AE       VM              1400
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QUALITY 1 CHECKED

(11) Arrival Name	(12) Number	(13) STAR Computer Code	(14) Superseded Nr.	(15) Dated	(16) Effective Date
MOTZA	SEVEN	MOTZA.MOTZA7	SIX	05 JUN 2000	

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RUNWAY  1234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
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        SUSAP KAFWK4GRW34R   0096003432 N32583230W097185554+0600     +017480066400005315OIIJVX1
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QUALITY 1 CHECKED

(11) Arrival Name	(12) Number	(13) STAR Computer Code	(14) Superseded Nr.	(15) Dated	(16) Effective Date
MOTZA	SEVEN	MOTZA.MOTZA7	SIX	05 JUN 2000	

ARINC SUMMARY - 424-18 - STAR

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
	BGD	BGD	010		IF		FB					
	BGD	HEATR	020		TF		FB		116.6()	095.6		
	BGD	SPS	030		TF		FB		119.2()	080.0		
	BGD	UKW	040		TF		FB		114.8()	047.2		
	BGD	MOTZA	050		TF		FB		158.7()	016.8		
	GTH	GTH	010		IF		FB					
	GTH	ZANTO	020		TF		FB		063.0()	045.1		
	GTH	KAJAY	030		TF		FB		102.9()	037.0		
	GTH	PLEBS	040		TF		FB		102.9()	021.0		
	GTH	MOTZA	050		TF		FB		123.1()	040.8		
	IRW	IRW	010		IF		FB					
	IRW	MUDDE	020		TF		FB		166.3()	025.6		
	IRW	MOOSE	030		TF		FB		166.3()	037.4		
	IRW	ACKME	040		TF		FB		195.0()	030.0		
	IRW	UKW	050		TF		FB		195.0()	020.0		
	IRW	MOTZA	060		TF		FB		158.7()	016.8		
	MUDDE	MUDDE	010		IF		FB					
	MUDDE	MOOSE	020		TF		FB		166.3()	037.4		
	MUDDE	ACKME	030		TF		FB		195.0()	030.0		
	MUDDE	UKW	040		TF		FB		195.0()	020.0		
	MUDDE	MOTZA	050		TF		FB		158.7()	016.8		
	PNH	PNH	010		IF		FB					
	PNH	HEATR	020		TF		FB		096.6()	094.4		
	PNH	SPS	030		TF		FB		119.2()	080.0		
	PNH	UKW	040		TF		FB		114.8()	047.2		
	PNH	MOTZA	050		TF		FB		158.7()	016.8		
	SPS	SPS	010		IF		FB					
	SPS	UKW	020		TF		FB		114.8()	047.2		
	SPS	MOTZA	030		TF		FB		158.7()	016.8		
	TUL	TUL	010		IF		FB					
	TUL	IMPCO	020		TF		FB		208.6()	096.0		
	TUL	MOOSE	030		TF		FB		208.6()	043.5		
	TUL	ACKME	040		TF		FB		195.0()	030.0		
	TUL	UKW	050		TF		FB		195.0()	020.0		
	TUL	MOTZA	060		TF		FB		158.7()	016.8		
	TXO	TXO	010		IF		FB					
	TXO	TURKI	020		TF		FB		086.0()	089.1		
	TXO	GANJA	030		TF		FB		086.0()	040.5		

QUALITY 1 CHECKED

(11) Arrival Name	(12) Number	(13) STAR Computer Code	(14) Superseded Nr.	(15) Dated	(16) Effective Date
MOTZA	SEVEN	MOTZA.MOTZA7	SIX	05 JUN 2000	

TXO	ZANTO	040	TF	FB	102.9()	041.0
TXO	KAJAY	050	TF	FB	102.9()	037.0
TXO	PLEBS	060	TF	FB	102.9()	021.0
TXO	MOTZA	070	TF	FB	123.1()	040.8
UKW	UKW	010	IF	FB		
UKW	MOTZA	020	TF	FB	158.7()	016.8
ALL	MOTZA	010	IF	FB		
ALL	KAFW	020	VM	FB	140.0()	

POINT DATA

WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
BGD	N354825.46	W1012255.75	N3548.424	W10122.929
GTH	N334641.80	W1002010.31	N3346.697	W10020.172
IRW	N352130.95	W0973633.22	N3521.516	W09736.554
PNH	N351406.23	W1014156.52	N3514.104	W10141.942
SPS	N335914.23	W0983536.50	N3359.237	W09835.608
TUL	N361146.51	W0954717.13	N3611.775	W09547.286
TXO	N342942.46	W1025022.79	N3429.708	W10250.380
UKW	N333209.19	W0974916.60	N3332.153	W09749.277
ACKME	N335051.24	W0974040.27	N3350.854	W09740.671
GANJA	N341215.08	W1001516.30	N3412.251	W10015.272
HEATR	N344928.31	W0995056.52	N3449.472	W09950.942
IMPCO	N345414.43	W0965651.37	N3454.241	W09656.856
KAJAY	N334809.73	W0984602.62	N3348.162	W09846.044
MOOSE	N341853.07	W0972738.70	N3418.885	W09727.645
MOTZA	N331558.12	W0974400.12	N3315.969	W09744.002
MUDDE	N345605.44	W0973254.63	N3456.091	W09732.911
PLEBS	N334129.48	W0982209.53	N3341.491	W09822.159
TURKI	N341803.33	W1010339.02	N3418.056	W10103.650
ZANTO	N335943.60	W0992816.56	N3359.727	W09928.276
RW16L	N325952.34	W0971911.93	N3259.872	W09719.199
RW16R	N325946.44	W0971917.87	N3259.774	W09719.298
RW34L	N325837.05	W0971903.67	N3258.618	W09719.061
RW34R	N325832.30	W0971855.54	N3258.538	W09718.926

RUNWAY DATA

RWY	THRESHOLD ELEVATION	TCH
RW16L	00715	53
RW16R	00714	75
RW34L	00668	75
RW34R	00664	53

QUALITY 1 CHECKED

(11) Arrival Name	(12) Number	(13) STAR Computer Code	(14) Superseded Nr.	(15) Dated	(16) Effective Date
MOTZA	SEVEN	MOTZA.MOTZA7	SIX	05 JUN 2000	

US Department of Transportation
Federal Aviation Administration

STAR (Data Record)

ARINC PACKET - 424-18 - STAR

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        SUSAD        IRW   K4011410VTHA N35213095W097363322    N35213095W097363322E0070012302     NARWILL ROGERS
        SUSAD        PNH   K4011660VTHA N35140623W101415652    N35140623W101415652E0080035952     NARPANHANDLE
        SUSAD        SPS   K4011270VTHW N33591423W098353650    N33591423W098353650E0100011332     NARWICHITA FALLS
        SUSAD        TUL   K4011440VTHW N36114651W095471713    N36114651W095471713E0080007882     NARTULSA
        SUSAD        TXO   K4011220VTHW N34294246W102502279    N34294246W102502279E0110040602     NARTEXICO
        SUSAD        UKW   K4011240VTHA N33320919W097491660    N33320919W097491660E0060011022     NARBOWIE

                1         2         3         4         5         6         7         8         9         0         1         2         3
WP      12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
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        SUSAEAENRT   GANJA K40    R   H N34121508W100151630                  E0058    NAR          GANJA
        SUSAEAENRT   HEATR K40    C   B N34492831W099505652                  E0056    NAR          HEATR
        SUSAEAENRT   IMPCO K40    R   H N34541443W096565137                  E0039    NAR          IMPCO
        SUSAEAENRT   KAJAY K40    R   B N33480973W098460262                  E0050    NAR          KAJAY
        SUSAEAENRT   MOOSE K40    R   B N34185307W097273870                  E0042    NAR          MOOSE
        SUSAEAENRT   MOTZA K40    R   L N33155812W097440012                  E0044    NAR          MOTZA
        SUSAEAENRT   MUDDE K40    C   B N34560544W097325463                  E0043    NAR          MUDDE
        SUSAEAENRT   PLEBS K40    R   B N33412948W098220953                  E0047    NAR          PLEBS
        SUSAEAENRT   TURKI K40    R   H N34180333W101033902                  E0063    NAR          TURKI
        SUSAEAENRT   ZANTO K40    R   H N33594360W099281656                  E0054    NAR          ZANTO

                1         2         3         4         5         6         7         8         9         0         1         2         3
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        SUSAP KFTWK4EMOTZA71BGD   040UKW  K4D 0V  H    TF                  11480472
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(11) Arrival Name	(12) Number	(13) STAR Computer Code	(14) Superseded Nr.	(15) Dated	(16) Effective Date
MOTZA	SEVEN	MOTZA.MOTZA7	SIX	05 JUN 2000	

FAA Form 7100-3 (9/02)

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SUSAP KFTWK4EMOTZA71GTH   050MOTZAK4EA0EE       TF          12310408
SUSAP KFTWK4EMOTZA71IRW   010IRW  K4D 0V       IF                                  18000
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SUSAP KFTWK4EMOTZA71IRW   030MOOSEK4EA0E  H    TF          16630374
SUSAP KFTWK4EMOTZA71IRW   040ACKMEK4EA0E  H    TF          19500300
SUSAP KFTWK4EMOTZA71IRW   050UKW  K4D 0V  H    TF          19500200
SUSAP KFTWK4EMOTZA71IRW   060MOTZAK4EA0EE       TF          15870168
SUSAP KFTWK4EMOTZA71MUDDE 010MUDDEK4EA0E        IF                                  18000
SUSAP KFTWK4EMOTZA71MUDDE 020MOOSEK4EA0E  H     TF          16630374
SUSAP KFTWK4EMOTZA71MUDDE 030ACKMEK4EA0E  H     TF          19500300
SUSAP KFTWK4EMOTZA71MUDDE 040UKW  K4D 0V  H     TF          19500200
SUSAP KFTWK4EMOTZA71MUDDE 050MOTZAK4EA0EE       TF          15870168
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SUSAP KFTWK4EMOTZA71PNH   040UKW  K4D 0V  H     TF          11480472
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(11) Arrival Name	(12) Number	(13) STAR Computer Code	(14) Superseded Nr.	(15) Dated	(16) Effective Date
MOTZA	SEVEN	MOTZA.MOTZA7	SIX	05 JUN 2000	

US Department of Transportation
Federal Aviation Administration

STAR (Data Record)

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RUNWAY  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
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        SUSAP KFTWK4GRW34    0075013439 N32483516W097213257+0500    +0177600674000060150IIUXT1
        SUSAP KFTWK4GRW35    0040063439 N32485018W097215286+0000    +0175500667000040075V
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(11) Arrival Name	(12) Number	(13) STAR Computer Code	(14) Superseded Nr.	(15) Dated	(16) Effective Date
MOTZA	SEVEN	MOTZA.MOTZA7	SIX	05 JUN 2000	

FAA Form 7100-3 (9/02)

ARINC SUMMARY - 424-18 - STAR

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
	BGD	BGD	010		IF		FB					
	BGD	HEATR	020		TF		FB		116.6()	095.6		
	BGD	SPS	030		TF		FB		119.2()	080.0		
	BGD	UKW	040		TF		FB		114.8()	047.2		
	BGD	MOTZA	050		TF		FB		158.7()	016.8		
	GTH	GTH	010		IF		FB					
	GTH	ZANTO	020		TF		FB		063.0()	045.1		
	GTH	KAJAY	030		TF		FB		102.9()	037.0		
	GTH	PLEBS	040		TF		FB		102.9()	021.0		
	GTH	MOTZA	050		TF		FB		123.1()	040.8		
	IRW	IRW	010		IF		FB					
	IRW	MUDDE	020		TF		FB		166.3()	025.6		
	IRW	MOOSE	030		TF		FB		166.3()	037.4		
	IRW	ACKME	040		TF		FB		195.0()	030.0		
	IRW	UKW	050		TF		FB		195.0()	020.0		
	IRW	MOTZA	060		TF		FB		158.7()	016.8		
	MUDDE	MUDDE	010		IF		FB					
	MUDDE	MOOSE	020		TF		FB		166.3()	037.4		
	MUDDE	ACKME	030		TF		FB		195.0()	030.0		
	MUDDE	UKW	040		TF		FB		195.0()	020.0		
	MUDDE	MOTZA	050		TF		FB		158.7()	016.8		
	PNH	PNH	010		IF		FB					
	PNH	HEATR	020		TF		FB		096.6()	094.4		
	PNH	SPS	030		TF		FB		119.2()	080.0		
	PNH	UKW	040		TF		FB		114.8()	047.2		
	PNH	MOTZA	050		TF		FB		158.7()	016.8		
	SPS	SPS	010		IF		FB					
	SPS	UKW	020		TF		FB		114.8()	047.2		
	SPS	MOTZA	030		TF		FB		158.7()	016.8		
	TUL	TUL	010		IF		FB					
	TUL	IMPCO	020		TF		FB		208.6()	096.0		
	TUL	MOOSE	030		TF		FB		208.6()	043.5		
	TUL	ACKME	040		TF		FB		195.0()	030.0		
	TUL	UKW	050		TF		FB		195.0()	020.0		
	TUL	MOTZA	060		TF		FB		158.7()	016.8		
	TXO	TXO	010		IF		FB					
	TXO	TURKI	020		TF		FB		086.0()	089.1		
	TXO	GANJA	030		TF		FB		086.0()	040.5		

QUALITY 1 CHECKED

(11) Arrival Name	(12) Number	(13) STAR Computer Code	(14) Superseded Nr.	(15) Dated	(16) Effective Date
MOTZA	SEVEN	MOTZA.MOTZA7	SIX	05 JUN 2000	

TXO	ZANTO	040	TF	FB	102.9()	041.0
TXO	KAJAY	050	TF	FB	102.9()	037.0
TXO	PLEBS	060	TF	FB	102.9()	021.0
TXO	MOTZA	070	TF	FB	123.1()	040.8
UKW	UKW	010	IF	FB		
UKW	MOTZA	020	TF	FB	158.7()	016.8
ALL	MOTZA	010	IF	FB		
ALL	KFTW	020	VM	FB	140.0()	

POINT DATA

WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
BGD	N354825.46	W1012255.75	N3548.424	W10122.929
GTH	N334641.80	W1002010.31	N3346.697	W10020.172
IRW	N352130.95	W0973633.22	N3521.516	W09736.554
PNH	N351406.23	W1014156.52	N3514.104	W10141.942
SPS	N335914.23	W0983536.50	N3359.237	W09835.608
TUL	N361146.51	W0954717.13	N3611.775	W09547.286
TXO	N342942.46	W1025022.79	N3429.708	W10250.380
UKW	N333209.19	W0974916.60	N3332.153	W09749.277
ACKME	N335051.24	W0974040.27	N3350.854	W09740.671
GANJA	N341215.08	W1001516.30	N3412.251	W10015.272
HEATR	N344928.31	W0995056.52	N3449.472	W09950.942
IMPCO	N345414.43	W0965651.37	N3454.241	W09656.856
KAJAY	N334809.73	W0984602.62	N3348.162	W09846.044
MOOSE	N341853.07	W0972738.70	N3418.885	W09727.645
MOTZA	N331558.12	W0974400.12	N3315.969	W09744.002
MUDDE	N345605.44	W0973254.63	N3456.091	W09732.911
PLEBS	N334129.48	W0982209.53	N3341.491	W09822.159
TURKI	N341803.33	W1010339.02	N3418.056	W10103.650
ZANTO	N335943.60	W0992816.56	N3359.727	W09928.276
RW09	N324907.70	W0972154.70	N3249.128	W09721.912
RW16	N324948.64	W0972144.95	N3249.811	W09721.749
RW17	N324929.42	W0972159.47	N3249.490	W09721.991
RW27	N324901.48	W0972112.24	N3249.025	W09721.204
RW34	N324835.16	W0972132.57	N3248.586	W09721.543
RW35	N324850.18	W0972152.86	N3248.836	W09721.881

RUNWAY DATA

RWY	THRESHOLD ELEVATION	TCH
RW09	00672	50
RW16	00710	57
RW17	00668	52

(11) Arrival Name	(12) Number	(13) STAR Computer Code	(14) Superseded Nr.	(15) Dated	(16) Effective Date
MOTZA	SEVEN	MOTZA.MOTZA7	SIX	05 JUN 2000	

RW27	00681	38
RW34	00674	60
RW35	00667	40

QUALITY 1 CHECKED

(11) Arrival Name	(12) Number	(13) STAR Computer Code	(14) Superseded Nr.	(15) Dated	(16) Effective Date
MOTZA	SEVEN	MOTZA.MOTZA7	SIX	05 JUN 2000	

US Department of Transportation
Federal Aviation Administration

STAR (Data Record)

ARINC PACKET - 424-18 - STAR

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        SUSAD        GTH   K4011450VTLW N33464180W100201031    N33464180W100201031E0100019411     NARGUTHRIE
        SUSAD        IRW   K4011410VTHA N35213095W097363322    N35213095W097363322E0070012302     NARWILL ROGERS
        SUSAD        PNH   K4011660VTHA N35140623W101415652    N35140623W101415652E0080035952     NARPANHANDLE
        SUSAD        SPS   K4011270VTHW N33591423W098353650    N33591423W098353650E0100011332     NARWICHITA FALLS
        SUSAD        TUL   K4011440VTHW N36114651W095471713    N36114651W095471713E0080007882     NARTULSA
        SUSAD        TXO   K4011220VTHW N34294246W102502279    N34294246W102502279E0110040602     NARTEXICO
        SUSAD        UKW   K4011240VTHA N33320919W097491660    N33320919W097491660E0060011022     NARBOWIE

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        SUSAEAENRT   GANJA K40    R   H N34121508W100151630                    E0058    NAR          GANJA
        SUSAEAENRT   HEATR K40    C   B N34492831W099505652                    E0056    NAR          HEATR
        SUSAEAENRT   IMPCO K40    R   H N34541443W096565137                    E0039    NAR          IMPCO
        SUSAEAENRT   KAJAY K40    R   B N33480973W098460262                    E0050    NAR          KAJAY
        SUSAEAENRT   MOOSE K40    R   B N34185307W097273870                    E0042    NAR          MOOSE
        SUSAEAENRT   MOTZA K40    R   L N33155812W097440012                    E0044    NAR          MOTZA
        SUSAEAENRT   MUDDE K40    C   B N34560544W097325463                    E0043    NAR          MUDDE
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        SUSAEAENRT   ZANTO K40    R   H N33594360W099281656                    E0054    NAR          ZANTO

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SEGMENT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
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        SUSAP KFWSK4EMOTZA71BGD   030SPS  K4D 0V  H    TF                  11920800
        SUSAP KFWSK4EMOTZA71BGD   040UKW  K4D 0V  H    TF                  11480472
        SUSAP KFWSK4EMOTZA71BGD   050MOTZAK4EA0EE      TF                  15870168
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(11) Arrival Name	(12) Number	(13) STAR Computer Code	(14) Superseded Nr.	(15) Dated	(16) Effective Date
MOTZA	SEVEN	MOTZA.MOTZA7	SIX	05 JUN 2000	

FAA Form 7100-3 (9/02)

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SUSAP KFWSK4EMOTZA71GTH   010GTH  K4D 0V       IF                                  18000
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SUSAP KFWSK4EMOTZA71GTH   030KAJAYK4EA0E  H    TF              10290370
SUSAP KFWSK4EMOTZA71GTH   040PLEBSK4EA0E  H    TF              10290210
SUSAP KFWSK4EMOTZA71GTH   050MOTZAK4EA0EE       TF              12310408
SUSAP KFWSK4EMOTZA71IRW   010IRW  K4D 0V       IF                                  18000
SUSAP KFWSK4EMOTZA71IRW   020MUDDEK4EA0E       TF              16630256
SUSAP KFWSK4EMOTZA71IRW   030MOOSEK4EA0E  H    TF              16630374
SUSAP KFWSK4EMOTZA71IRW   040ACKMEK4EA0E  H    TF              19500300
SUSAP KFWSK4EMOTZA71IRW   050UKW  K4D 0V  H    TF              19500200
SUSAP KFWSK4EMOTZA71IRW   060MOTZAK4EA0EE       TF              15870168
SUSAP KFWSK4EMOTZA71MUDDE 010MUDDEK4EA0E       IF                                  18000
SUSAP KFWSK4EMOTZA71MUDDE 020MOOSEK4EA0E  H    TF              16630374
SUSAP KFWSK4EMOTZA71MUDDE 030ACKMEK4EA0E  H    TF              19500300
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SUSAP KFWSK4EMOTZA71MUDDE 050MOTZAK4EA0EE       TF              15870168
SUSAP KFWSK4EMOTZA71PNH   010PNH  K4D 0V       IF                                  18000
SUSAP KFWSK4EMOTZA71PNH   020HEATRK4EA0E  H    TF              09660944
SUSAP KFWSK4EMOTZA71PNH   030SPS  K4D 0V  H    TF              11920800
SUSAP KFWSK4EMOTZA71PNH   040UKW  K4D 0V  H    TF              11480472
SUSAP KFWSK4EMOTZA71PNH   050MOTZAK4EA0EE       TF              15870168
SUSAP KFWSK4EMOTZA71SPS   010SPS  K4D 0V  H    IF                                  18000
SUSAP KFWSK4EMOTZA71SPS   020UKW  K4D 0V  H    TF              11480472
SUSAP KFWSK4EMOTZA71SPS   030MOTZAK4EA0EE       TF              15870168
SUSAP KFWSK4EMOTZA71TUL   010TUL  K4D 0V       IF                                  18000
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SUSAP KFWSK4EMOTZA71TUL   030MOOSEK4EA0E  H    TF              20860435
SUSAP KFWSK4EMOTZA71TUL   040ACKMEK4EA0E  H    TF              19500300
SUSAP KFWSK4EMOTZA71TUL   050UKW  K4D 0V  H    TF              19500200
SUSAP KFWSK4EMOTZA71TUL   060MOTZAK4EA0EE       TF              15870168
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SUSAP KFWSK4EMOTZA71TXO   060PLEBSK4EA0E  H    TF              10290210
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SUSAP KFWSK4EMOTZA71UKW   010UKW  K4D 0V  H    IF                                  18000
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SUSAP KFWSK4EMOTZA72ALL   010MOTZAK4EA0E       IF                                  18000
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(11) Arrival Name	(12) Number	(13) STAR Computer Code	(14) Superseded Nr.	(15) Dated	(16) Effective Date
MOTZA	SEVEN	MOTZA.MOTZA7	SIX	05 JUN 2000	

US Department of Transportation
Federal Aviation Administration

STAR (Data Record)

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RUNWAY  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
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(11) Arrival Name	(12) Number	(13) STAR Computer Code	(14) Superseded Nr.	(15) Dated	(16) Effective Date
MOTZA	SEVEN	MOTZA.MOTZA7	SIX	05 JUN 2000	

FAA Form 7100-3 (9/02)

ARINC SUMMARY - 424-18 - STAR

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
	BGD	BGD	010		IF		FB					
	BGD	HEATR	020		TF		FB		116.6()	095.6		
	BGD	SPS	030		TF		FB		119.2()	080.0		
	BGD	UKW	040		TF		FB		114.8()	047.2		
	BGD	MOTZA	050		TF		FB		158.7()	016.8		
	GTH	GTH	010		IF		FB					
	GTH	ZANTO	020		TF		FB		063.0()	045.1		
	GTH	KAJAY	030		TF		FB		102.9()	037.0		
	GTH	PLEBS	040		TF		FB		102.9()	021.0		
	GTH	MOTZA	050		TF		FB		123.1()	040.8		
	IRW	IRW	010		IF		FB					
	IRW	MUDDE	020		TF		FB		166.3()	025.6		
	IRW	MOOSE	030		TF		FB		166.3()	037.4		
	IRW	ACKME	040		TF		FB		195.0()	030.0		
	IRW	UKW	050		TF		FB		195.0()	020.0		
	IRW	MOTZA	060		TF		FB		158.7()	016.8		
	MUDDE	MUDDE	010		IF		FB					
	MUDDE	MOOSE	020		TF		FB		166.3()	037.4		
	MUDDE	ACKME	030		TF		FB		195.0()	030.0		
	MUDDE	UKW	040		TF		FB		195.0()	020.0		
	MUDDE	MOTZA	050		TF		FB		158.7()	016.8		
	PNH	PNH	010		IF		FB					
	PNH	HEATR	020		TF		FB		096.6()	094.4		
	PNH	SPS	030		TF		FB		119.2()	080.0		
	PNH	UKW	040		TF		FB		114.8()	047.2		
	PNH	MOTZA	050		TF		FB		158.7()	016.8		
	SPS	SPS	010		IF		FB					
	SPS	UKW	020		TF		FB		114.8()	047.2		
	SPS	MOTZA	030		TF		FB		158.7()	016.8		
	TUL	TUL	010		IF		FB					
	TUL	IMPCO	020		TF		FB		208.6()	096.0		
	TUL	MOOSE	030		TF		FB		208.6()	043.5		
	TUL	ACKME	040		TF		FB		195.0()	030.0		
	TUL	UKW	050		TF		FB		195.0()	020.0		
	TUL	MOTZA	060		TF		FB		158.7()	016.8		
	TXO	TXO	010		IF		FB					
	TXO	TURKI	020		TF		FB		086.0()	089.1		
	TXO	GANJA	030		TF		FB		086.0()	040.5		

(11) Arrival Name	(12) Number	(13) STAR Computer Code	(14) Superseded Nr.	(15) Dated	(16) Effective Date
MOTZA	SEVEN	MOTZA.MOTZA7	SIX	05 JUN 2000	

TXO	ZANTO	040	TF	FB	102.9()	041.0
TXO	KAJAY	050	TF	FB	102.9()	037.0
TXO	PLEBS	060	TF	FB	102.9()	021.0
TXO	MOTZA	070	TF	FB	123.1()	040.8
UKW	UKW	010	IF	FB		
UKW	MOTZA	020	TF	FB	158.7()	016.8
ALL	MOTZA	010	IF	FB		
ALL	KFWS	020	VM	FB	140.0()	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	BGD	N354825.46	W1012255.75	N3548.424	W10122.929
	GTH	N334641.80	W1002010.31	N3346.697	W10020.172
	IRW	N352130.95	W0973633.22	N3521.516	W09736.554
	PNH	N351406.23	W1014156.52	N3514.104	W10141.942
	SPS	N335914.23	W0983536.50	N3359.237	W09835.608
	TUL	N361146.51	W0954717.13	N3611.775	W09547.286
	TXO	N342942.46	W1025022.79	N3429.708	W10250.380
	UKW	N333209.19	W0974916.60	N3332.153	W09749.277
	ACKME	N335051.24	W0974040.27	N3350.854	W09740.671
	GANJA	N341215.08	W1001516.30	N3412.251	W10015.272
	HEATR	N344928.31	W0995056.52	N3449.472	W09950.942
	IMPCO	N345414.43	W0965651.37	N3454.241	W09656.856
	KAJAY	N334809.73	W0984602.62	N3348.162	W09846.044
	MOOSE	N341853.07	W0972738.70	N3418.885	W09727.645
	MOTZA	N331558.12	W0974400.12	N3315.969	W09744.002
	MUDDE	N345605.44	W0973254.63	N3456.091	W09732.911
	PLEBS	N334129.48	W0982209.53	N3341.491	W09822.159
	TURKI	N341803.33	W1010339.02	N3418.056	W10103.650
	ZANTO	N335943.60	W0992816.56	N3359.727	W09928.276
	RW17R	N323421.05	W0971834.76	N3234.351	W09718.579
	RW35L	N323321.66	W0971834.89	N3233.361	W09718.582

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW17R	00700	40
	RW35L	00689	50

(11) Arrival Name	(12) Number	(13) STAR Computer Code	(14) Superseded Nr.	(15) Dated	(16) Effective Date
MOTZA	SEVEN	MOTZA.MOTZA7	SIX	05 JUN 2000	

US Department of Transportation
Federal Aviation Administration

STAR (Data Record)

ARINC PACKET - 424-18 - STAR

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        SUSAD        PNH   K4011660VTHA N35140623W101415652    N35140623W101415652E0080035952     NARPANHANDLE
        SUSAD        SPS   K4011270VTHW N33591423W098353650    N33591423W098353650E0100011332     NARWICHITA FALLS
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WP      12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
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        SUSAEAENRT   ACKME K40    R   B N33505124W097404027                    E0043    NAR          ACKME
        SUSAEAENRT   GANJA K40    R   H N34121508W100151630                    E0058    NAR          GANJA
        SUSAEAENRT   HEATR K40    C   B N34492831W099505652                    E0056    NAR          HEATR
        SUSAEAENRT   IMPCO K40    R   H N34541443W096565137                    E0039    NAR          IMPCO
        SUSAEAENRT   KAJAY K40    R   B N33480973W098460262                    E0050    NAR          KAJAY
        SUSAEAENRT   MOOSE K40    R   B N34185307W097273870                    E0042    NAR          MOOSE
        SUSAEAENRT   MOTZA K40    R   L N33155812W097440012                    E0044    NAR          MOTZA
        SUSAEAENRT   MUDDE K40    C   B N34560544W097325463                    E0043    NAR          MUDDE
        SUSAEAENRT   PLEBS K40    R   B N33412948W098220953                    E0047    NAR          PLEBS
        SUSAEAENRT   TURKI K40    R   H N34180333W101033902                    E0063    NAR          TURKI
        SUSAEAENRT   ZANTO K40    R   H N33594360W099281656                    E0054    NAR          ZANTO

                1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
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                1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
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        SUSAP KGKYK4EMOTZA71BGD   010BGD  K4D 0V       IF                                          18000
        SUSAP KGKYK4EMOTZA71BGD   020HEATRK4EA0E  H    TF                  11660956
        SUSAP KGKYK4EMOTZA71BGD   030SPS  K4D 0V  H    TF                  11920800
        SUSAP KGKYK4EMOTZA71BGD   040UKW  K4D 0V  H    TF                  11480472
        SUSAP KGKYK4EMOTZA71BGD   050MOTZAK4EA0EE     TF                  15870168
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QUALITY 1 CHECKED

(11) Arrival Name	(12) Number	(13) STAR Computer Code	(14) Superseded Nr.	(15) Dated	(16) Effective Date
MOTZA	SEVEN	MOTZA.MOTZA7	SIX	05 JUN 2000	

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SUSAP KGKYK4EMOTZA71GTH   010GTH  K4D 0V       IF                                18000
SUSAP KGKYK4EMOTZA71GTH   020ZANTOK4EA0E  H    TF           06300451
SUSAP KGKYK4EMOTZA71GTH   030KAJAYK4EA0E  H    TF           10290370
SUSAP KGKYK4EMOTZA71GTH   040PLEBSK4EA0E  H    TF           10290210
SUSAP KGKYK4EMOTZA71GTH   050MOTZAK4EA0EE       TF           12310408
SUSAP KGKYK4EMOTZA71IRW   010IRW  K4D 0V       IF                                18000
SUSAP KGKYK4EMOTZA71IRW   020MUDDEK4EA0E        TF           16630256
SUSAP KGKYK4EMOTZA71IRW   030MOOSEK4EA0E  H    TF           16630374
SUSAP KGKYK4EMOTZA71IRW   040ACKMEK4EA0E  H    TF           19500300
SUSAP KGKYK4EMOTZA71IRW   050UKW  K4D 0V  H    TF           19500200
SUSAP KGKYK4EMOTZA71IRW   060MOTZAK4EA0EE       TF           15870168
SUSAP KGKYK4EMOTZA71MUDDE 010MUDDEK4EA0E        IF                                18000
SUSAP KGKYK4EMOTZA71MUDDE 020MOOSEK4EA0E  H     TF           16630374
SUSAP KGKYK4EMOTZA71MUDDE 030ACKMEK4EA0E  H     TF           19500300
SUSAP KGKYK4EMOTZA71MUDDE 040UKW  K4D 0V  H     TF           19500200
SUSAP KGKYK4EMOTZA71MUDDE 050MOTZAK4EA0EE       TF           15870168
SUSAP KGKYK4EMOTZA71PNH   010PNH  K4D 0V        IF                                18000
SUSAP KGKYK4EMOTZA71PNH   020HEATRK4EA0E  H     TF           09660944
SUSAP KGKYK4EMOTZA71PNH   030SPS  K4D 0V  H     TF           11920800
SUSAP KGKYK4EMOTZA71PNH   040UKW  K4D 0V  H     TF           11480472
SUSAP KGKYK4EMOTZA71PNH   050MOTZAK4EA0EE       TF           15870168
SUSAP KGKYK4EMOTZA71SPS   010SPS  K4D 0V  H     IF                                18000
SUSAP KGKYK4EMOTZA71SPS   020UKW  K4D 0V  H     TF           11480472
SUSAP KGKYK4EMOTZA71SPS   030MOTZAK4EA0EE       TF           15870168
SUSAP KGKYK4EMOTZA71TUL   010TUL  K4D 0V        IF                                18000
SUSAP KGKYK4EMOTZA71TUL   020IMPCOK4EA0E        TF           20860960
SUSAP KGKYK4EMOTZA71TUL   030MOOSEK4EA0E  H     TF           20860435
SUSAP KGKYK4EMOTZA71TUL   040ACKMEK4EA0E  H     TF           19500300
SUSAP KGKYK4EMOTZA71TUL   050UKW  K4D 0V  H     TF           19500200
SUSAP KGKYK4EMOTZA71TUL   060MOTZAK4EA0EE       TF           15870168
SUSAP KGKYK4EMOTZA71TXO   010TXO  K4D 0V        IF                                18000
SUSAP KGKYK4EMOTZA71TXO   020TURKIK4EA0E  H     TF           08600891
SUSAP KGKYK4EMOTZA71TXO   030GANJAK4EA0E        TF           08600405
SUSAP KGKYK4EMOTZA71TXO   040ZANTOK4EA0E  H     TF           10290410
SUSAP KGKYK4EMOTZA71TXO   050KAJAYK4EA0E  H     TF           10290370
SUSAP KGKYK4EMOTZA71TXO   060PLEBSK4EA0E  H     TF           10290210
SUSAP KGKYK4EMOTZA71TXO   070MOTZAK4EA0EE       TF           12310408
SUSAP KGKYK4EMOTZA71UKW   010UKW  K4D 0V  H     IF                                18000
SUSAP KGKYK4EMOTZA71UKW   020MOTZAK4EA0EE       TF           15870168
SUSAP KGKYK4EMOTZA72ALL   010MOTZAK4EA0E        IF                                18000
SUSAP KGKYK4EMOTZA72ALL   020KGKY K4PA0AE       VM           1400
          1         2         3         4         5         6         7         8         9         0         1         2         3
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CHECKED

(11) Arrival Name	(12) Number	(13) STAR Computer Code	(14) Superseded Nr.	(15) Dated	(16) Effective Date
MOTZA	SEVEN	MOTZA.MOTZA7	SIX	05 JUN 2000	

US Department of Transportation
Federal Aviation Administration

STAR (Data Record)

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RUNWAY  1234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
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        SUSAP KGKYK4GRW34    0060803420 N32392051W097053203+0500    +0154700597000060100IIGKY1
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QUALITY 1 CHECKED

(11) Arrival Name	(12) Number	(13) STAR Computer Code	(14) Superseded Nr.	(15) Dated	(16) Effective Date
MOTZA	SEVEN	MOTZA.MOTZA7	SIX	05 JUN 2000	

ARINC SUMMARY - 424-18 - STAR

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
	BGD	BGD	010		IF		FB					
	BGD	HEATR	020		TF		FB		116.6()	095.6		
	BGD	SPS	030		TF		FB		119.2()	080.0		
	BGD	UKW	040		TF		FB		114.8()	047.2		
	BGD	MOTZA	050		TF		FB		158.7()	016.8		
	GTH	GTH	010		IF		FB					
	GTH	ZANTO	020		TF		FB		063.0()	045.1		
	GTH	KAJAY	030		TF		FB		102.9()	037.0		
	GTH	PLEBS	040		TF		FB		102.9()	021.0		
	GTH	MOTZA	050		TF		FB		123.1()	040.8		
	IRW	IRW	010		IF		FB					
	IRW	MUDDE	020		TF		FB		166.3()	025.6		
	IRW	MOOSE	030		TF		FB		166.3()	037.4		
	IRW	ACKME	040		TF		FB		195.0()	030.0		
	IRW	UKW	050		TF		FB		195.0()	020.0		
	IRW	MOTZA	060		TF		FB		158.7()	016.8		
	MUDDE	MUDDE	010		IF		FB					
	MUDDE	MOOSE	020		TF		FB		166.3()	037.4		
	MUDDE	ACKME	030		TF		FB		195.0()	030.0		
	MUDDE	UKW	040		TF		FB		195.0()	020.0		
	MUDDE	MOTZA	050		TF		FB		158.7()	016.8		
	PNH	PNH	010		IF		FB					
	PNH	HEATR	020		TF		FB		096.6()	094.4		
	PNH	SPS	030		TF		FB		119.2()	080.0		
	PNH	UKW	040		TF		FB		114.8()	047.2		
	PNH	MOTZA	050		TF		FB		158.7()	016.8		
	SPS	SPS	010		IF		FB					
	SPS	UKW	020		TF		FB		114.8()	047.2		
	SPS	MOTZA	030		TF		FB		158.7()	016.8		
	TUL	TUL	010		IF		FB					
	TUL	IMPCO	020		TF		FB		208.6()	096.0		
	TUL	MOOSE	030		TF		FB		208.6()	043.5		
	TUL	ACKME	040		TF		FB		195.0()	030.0		
	TUL	UKW	050		TF		FB		195.0()	020.0		
	TUL	MOTZA	060		TF		FB		158.7()	016.8		
	TXO	TXO	010		IF		FB					
	TXO	TURKI	020		TF		FB		086.0()	089.1		
	TXO	GANJA	030		TF		FB		086.0()	040.5		

(11) Arrival Name	(12) Number	(13) STAR Computer Code	(14) Superseded Nr.	(15) Dated	(16) Effective Date
MOTZA	SEVEN	MOTZA.MOTZA7	SIX	05 JUN 2000	

TXO	ZANTO	040	TF	FB	102.9()	041.0
TXO	KAJAY	050	TF	FB	102.9()	037.0
TXO	PLEBS	060	TF	FB	102.9()	021.0
TXO	MOTZA	070	TF	FB	123.1()	040.8
UKW	UKW	010	IF	FB		
UKW	MOTZA	020	TF	FB	158.7()	016.8
ALL	MOTZA	010	IF	FB		
ALL	KGKY	020	VM	FB	140.0()	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	BGD	N354825.46	W1012255.75	N3548.424	W10122.929
	GTH	N334641.80	W1002010.31	N3346.697	W10020.172
	IRW	N352130.95	W0973633.22	N3521.516	W09736.554
	PNH	N351406.23	W1014156.52	N3514.104	W10141.942
	SPS	N335914.23	W0983536.50	N3359.237	W09835.608
	TUL	N361146.51	W0954717.13	N3611.775	W09547.286
	TXO	N342942.46	W1025022.79	N3429.708	W10250.380
	UKW	N333209.19	W0974916.60	N3332.153	W09749.277
	ACKME	N335051.24	W0974040.27	N3350.854	W09740.671
	GANJA	N341215.08	W1001516.30	N3412.251	W10015.272
	HEATR	N344928.31	W0995056.52	N3449.472	W09950.942
	IMPCO	N345414.43	W0965651.37	N3454.241	W09656.856
	KAJAY	N334809.73	W0984602.62	N3348.162	W09846.044
	MOOSE	N341853.07	W0972738.70	N3418.885	W09727.645
	MOTZA	N331558.12	W0974400.12	N3315.969	W09744.002
	MUDDE	N345605.44	W0973254.63	N3456.091	W09732.911
	PLEBS	N334129.48	W0982209.53	N3341.491	W09822.159
	TURKI	N341803.33	W1010339.02	N3418.056	W10103.650
	ZANTO	N335943.60	W0992816.56	N3359.727	W09928.276
	RW16	N324019.36	W0970546.79	N3240.323	W09705.780
	RW34	N323920.51	W0970532.03	N3239.342	W09705.534

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW16	00628	42
	RW34	00597	60

(11) Arrival Name	(12) Number	(13) STAR Computer Code	(14) Superseded Nr.	(15) Dated	(16) Effective Date
MOTZA	SEVEN	MOTZA.MOTZA7	SIX	05 JUN 2000	

US Department of Transportation
Federal Aviation Administration

STAR (Data Record)

ARINC PACKET - 424-18 - STAR

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        SUSAD        GTH   K4011450VTLW N33464180W100201031    N33464180W100201031E0100019411     NARGUTHRIE
        SUSAD        IRW   K4011410VTHA N35213095W097363322    N35213095W097363322E0070012302     NARWILL ROGERS
        SUSAD        PNH   K4011660VTHA N35140623W101415652    N35140623W101415652E0080035952     NARPANHANDLE
        SUSAD        SPS   K4011270VTHW N33591423W098353650    N33591423W098353650E0100011332     NARWICHITA FALLS
        SUSAD        TUL   K4011440VTHW N36114651W095471713    N36114651W095471713E0080007882     NARTULSA
        SUSAD        TXO   K4011220VTHW N34294246W102502279    N34294246W102502279E0110040602     NARTEXICO
        SUSAD        UKW   K4011240VTHA N33320919W097491660    N33320919W097491660E0060011022     NARBOWIE

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WP      12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
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        SUSAEAENRT   ACKME K40    R   B N33505124W097404027                E0043     NAR          ACKME
        SUSAEAENRT   GANJA K40    R   H N34121508W100151630                E0058     NAR          GANJA
        SUSAEAENRT   HEATR K40    C   B N34492831W099505652                E0056     NAR          HEATR
        SUSAEAENRT   IMPCO K40    R   H N34541443W096565137                E0039     NAR          IMPCO
        SUSAEAENRT   KAJAY K40    R   B N33480973W098460262                E0050     NAR          KAJAY
        SUSAEAENRT   MOOSE K40    R   B N34185307W097273870                E0042     NAR          MOOSE
        SUSAEAENRT   MOTZA K40    R   L N33155812W097440012                E0044     NAR          MOTZA
        SUSAEAENRT   MUDDE K40    C   B N34560544W097325463                E0043     NAR          MUDDE
        SUSAEAENRT   PLEBS K40    R   B N33412948W098220953                E0047     NAR          PLEBS
        SUSAEAENRT   TURKI K40    R   H N34180333W101033902                E0063     NAR          TURKI
        SUSAEAENRT   ZANTO K40    R   H N33594360W099281656                E0054     NAR          ZANTO

                 1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
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SEGMENT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
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        SUSAP KGPMK4EMOTZA71BGD   010BGD  K4D 0V       IF                                          18000
        SUSAP KGPMK4EMOTZA71BGD   020HEATRK4EA0E  H    TF                  11660956
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        SUSAP KGPMK4EMOTZA71BGD   040UKW  K4D 0V  H    TF                  11480472
        SUSAP KGPMK4EMOTZA71BGD   050MOTZAK4EA0EE      TF                  15870168
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QUALITY 1 CHECKED

(11) Arrival Name	(12) Number	(13) STAR Computer Code	(14) Superseded Nr.	(15) Dated	(16) Effective Date
MOTZA	SEVEN	MOTZA.MOTZA7	SIX	05 JUN 2000	

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SUSAP KGPMK4EMOTZA71GTH   010GTH  K4D 0V       IF                                18000
SUSAP KGPMK4EMOTZA71GTH   020ZANTOK4EA0E  H    TF           06300451
SUSAP KGPMK4EMOTZA71GTH   030KAJAYK4EA0E  H    TF           10290370
SUSAP KGPMK4EMOTZA71GTH   040PLEBSK4EA0E  H    TF           10290210
SUSAP KGPMK4EMOTZA71GTH   050MOTZAK4EA0EE       TF           12310408
SUSAP KGPMK4EMOTZA71IRW   010IRW  K4D 0V       IF                                18000
SUSAP KGPMK4EMOTZA71IRW   020MUDDEK4EA0E       TF           16630256
SUSAP KGPMK4EMOTZA71IRW   030MOOSEK4EA0E  H    TF           16630374
SUSAP KGPMK4EMOTZA71IRW   040ACKMEK4EA0E  H    TF           19500300
SUSAP KGPMK4EMOTZA71IRW   050UKW  K4D 0V  H    TF           19500200
SUSAP KGPMK4EMOTZA71IRW   060MOTZAK4EA0EE       TF           15870168
SUSAP KGPMK4EMOTZA71MUDDE 010MUDDEK4EA0E       IF                                18000
SUSAP KGPMK4EMOTZA71MUDDE 020MOOSEK4EA0E  H    TF           16630374
SUSAP KGPMK4EMOTZA71MUDDE 030ACKMEK4EA0E  H    TF           19500300
SUSAP KGPMK4EMOTZA71MUDDE 040UKW  K4D 0V  H    TF           19500200
SUSAP KGPMK4EMOTZA71MUDDE 050MOTZAK4EA0EE      TF           15870168
SUSAP KGPMK4EMOTZA71PNH   010PNH  K4D 0V       IF                                18000
SUSAP KGPMK4EMOTZA71PNH   020HEATRK4EA0E  H    TF           09660944
SUSAP KGPMK4EMOTZA71PNH   030SPS  K4D 0V  H    TF           11920800
SUSAP KGPMK4EMOTZA71PNH   040UKW  K4D 0V  H    TF           11480472
SUSAP KGPMK4EMOTZA71PNH   050MOTZAK4EA0EE       TF           15870168
SUSAP KGPMK4EMOTZA71SPS   010SPS  K4D 0V  H    IF                                18000
SUSAP KGPMK4EMOTZA71SPS   020UKW  K4D 0V  H    TF           11480472
SUSAP KGPMK4EMOTZA71SPS   030MOTZAK4EA0EE       TF           15870168
SUSAP KGPMK4EMOTZA71TUL   010TUL  K4D 0V       IF                                18000
SUSAP KGPMK4EMOTZA71TUL   020IMPCOK4EA0E       TF           20860960
SUSAP KGPMK4EMOTZA71TUL   030MOOSEK4EA0E  H    TF           20860435
SUSAP KGPMK4EMOTZA71TUL   040ACKMEK4EA0E  H    TF           19500300
SUSAP KGPMK4EMOTZA71TUL   050UKW  K4D 0V  H    TF           19500200
SUSAP KGPMK4EMOTZA71TUL   060MOTZAK4EA0EE       TF           15870168
SUSAP KGPMK4EMOTZA71TXO   010TXO  K4D 0V       IF                                18000
SUSAP KGPMK4EMOTZA71TXO   020TURKIK4EA0E  H    TF           08600891
SUSAP KGPMK4EMOTZA71TXO   030GANJAK4EA0E       TF           08600405
SUSAP KGPMK4EMOTZA71TXO   040ZANTOK4EA0E  H    TF           10290410
SUSAP KGPMK4EMOTZA71TXO   050KAJAYK4EA0E  H    TF           10290370
SUSAP KGPMK4EMOTZA71TXO   060PLEBSK4EA0E  H    TF           10290210
SUSAP KGPMK4EMOTZA71TXO   070MOTZAK4EA0EE       TF           12310408
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SUSAP KGPMK4EMOTZA71UKW   020MOTZAK4EA0EE       TF           15870168
SUSAP KGPMK4EMOTZA72ALL   010MOTZAK4EA0E       IF                                18000
SUSAP KGPMK4EMOTZA72ALL   020KGPM K4PA0AE      VM           1400
          1         2         3         4         5         6         7         8         9         0         1         2         3
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(11) Arrival Name	(12) Number	(13) STAR Computer Code	(14) Superseded Nr.	(15) Dated	(16) Effective Date
MOTZA	SEVEN	MOTZA.MOTZA7	SIX	05 JUN 2000	

US Department of Transportation
Federal Aviation Administration

STAR (Data Record)

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RUNWAY  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
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QUALITY 1 CHECKED

(11) Arrival Name	(12) Number	(13) STAR Computer Code	(14) Superseded Nr.	(15) Dated	(16) Effective Date
MOTZA	SEVEN	MOTZA.MOTZA7	SIX	05 JUN 2000	

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
	BGD	BGD	010		IF		FB					
	BGD	HEATR	020		TF		FB		116.6()	095.6		
	BGD	SPS	030		TF		FB		119.2()	080.0		
	BGD	UKW	040		TF		FB		114.8()	047.2		
	BGD	MOTZA	050		TF		FB		158.7()	016.8		
	GTH	GTH	010		IF		FB					
	GTH	ZANTO	020		TF		FB		063.0()	045.1		
	GTH	KAJAY	030		TF		FB		102.9()	037.0		
	GTH	PLEBS	040		TF		FB		102.9()	021.0		
	GTH	MOTZA	050		TF		FB		123.1()	040.8		
	IRW	IRW	010		IF		FB					
	IRW	MUDDE	020		TF		FB		166.3()	025.6		
	IRW	MOOSE	030		TF		FB		166.3()	037.4		
	IRW	ACKME	040		TF		FB		195.0()	030.0		
	IRW	UKW	050		TF		FB		195.0()	020.0		
	IRW	MOTZA	060		TF		FB		158.7()	016.8		
	MUDDE	MUDDE	010		IF		FB					
	MUDDE	MOOSE	020		TF		FB		166.3()	037.4		
	MUDDE	ACKME	030		TF		FB		195.0()	030.0		
	MUDDE	UKW	040		TF		FB		195.0()	020.0		
	MUDDE	MOTZA	050		TF		FB		158.7()	016.8		
	PNH	PNH	010		IF		FB					
	PNH	HEATR	020		TF		FB		096.6()	094.4		
	PNH	SPS	030		TF		FB		119.2()	080.0		
	PNH	UKW	040		TF		FB		114.8()	047.2		
	PNH	MOTZA	050		TF		FB		158.7()	016.8		
	SPS	SPS	010		IF		FB					
	SPS	UKW	020		TF		FB		114.8()	047.2		
	SPS	MOTZA	030		TF		FB		158.7()	016.8		
	TUL	TUL	010		IF		FB					
	TUL	IMPCO	020		TF		FB		208.6()	096.0		
	TUL	MOOSE	030		TF		FB		208.6()	043.5		
	TUL	ACKME	040		TF		FB		195.0()	030.0		
	TUL	UKW	050		TF		FB		195.0()	020.0		
	TUL	MOTZA	060		TF		FB		158.7()	016.8		
	TXO	TXO	010		IF		FB					
	TXO	TURKI	020		TF		FB		086.0()	089.1		
	TXO	GANJA	030		TF		FB		086.0()	040.5		

(11) Arrival Name	(12) Number	(13) STAR Computer Code	(14) Superseded Nr.	(15) Dated	(16) Effective Date
MOTZA	SEVEN	MOTZA.MOTZA7	SIX	05 JUN 2000	

FAA Form 7100-3 (9/02)

TXO	ZANTO	040	TF	FB	102.9()	041.0
TXO	KAJAY	050	TF	FB	102.9()	037.0
TXO	PLEBS	060	TF	FB	102.9()	021.0
TXO	MOTZA	070	TF	FB	123.1()	040.8
UKW	UKW	010	IF	FB		
UKW	MOTZA	020	TF	FB	158.7()	016.8
ALL	MOTZA	010	IF	FB		
ALL	KGPM	020	VM	FB	140.0()	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	BGD	N354825.46	W1012255.75	N3548.424	W10122.929
	GTH	N334641.80	W1002010.31	N3346.697	W10020.172
	IRW	N352130.95	W0973633.22	N3521.516	W09736.554
	PNH	N351406.23	W1014156.52	N3514.104	W10141.942
	SPS	N335914.23	W0983536.50	N3359.237	W09835.608
	TUL	N361146.51	W0954717.13	N3611.775	W09547.286
	TXO	N342942.46	W1025022.79	N3429.708	W10250.380
	UKW	N333209.19	W0974916.60	N3332.153	W09749.277
	ACKME	N335051.24	W0974040.27	N3350.854	W09740.671
	GANJA	N341215.08	W1001516.30	N3412.251	W10015.272
	HEATR	N344928.31	W0995056.52	N3449.472	W09950.942
	IMPCO	N345414.43	W0965651.37	N3454.241	W09656.856
	KAJAY	N334809.73	W0984602.62	N3348.162	W09846.044
	MOOSE	N341853.07	W0972738.70	N3418.885	W09727.645
	MOTZA	N331558.12	W0974400.12	N3315.969	W09744.002
	MUDDE	N345605.44	W0973254.63	N3456.091	W09732.911
	PLEBS	N334129.48	W0982209.53	N3341.491	W09822.159
	TURKI	N341803.33	W1010339.02	N3418.056	W10103.650
	ZANTO	N335943.60	W0992816.56	N3359.727	W09928.276
	RW17	N324215.41	W0970248.76	N3242.257	W09702.813
	RW35	N324135.82	W0970249.04	N3241.597	W09702.817

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW17	00582	26
	RW35	00573	37

(11) Arrival Name	(12) Number	(13) STAR Computer Code	(14) Superseded Nr.	(15) Dated	(16) Effective Date
MOTZA	SEVEN	MOTZA.MOTZA7	SIX	05 JUN 2000	

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  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
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        SUSAD        BGD   K4010860VTLW N35482546W101225575    N35482546W101225575E0110031301     NARBORGER
        SUSAD        GTH   K4011450VTLW N33464180W100201031    N33464180W100201031E0100019411     NARGUTHRIE
        SUSAD        IRW   K4011410VTHA N35213095W097363322    N35213095W097363322E0070012302     NARWILL ROGERS
        SUSAD        PNH   K4011660VTHA N35140623W101415652    N35140623W101415652E0080035952     NARPANHANDLE
        SUSAD        SPS   K4011270VTHW N33591423W098353650    N33591423W098353650E0100011332     NARWICHITA FALLS
        SUSAD        TUL   K4011440VTHW N36114651W095471713    N36114651W095471713E0080007882     NARTULSA
        SUSAD        TXO   K4011220VTHW N34294246W102502279    N34294246W102502279E0110040602     NARTEXICO
        SUSAD        UKW   K4011240VTHA N33320919W097491660    N33320919W097491660E0060011022     NARBOWIE

                 1         2         3         4         5         6         7         8         9         0         1         2         3
WP      12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
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        SUSAEAENRT   ACKME K40    R   B N33505124W097404027                E0043     NAR          ACKME
        SUSAEAENRT   GANJA K40    R   H N34121508W100151630                E0058     NAR          GANJA
        SUSAEAENRT   HEATR K40    C   B N34492831W099505652                E0056     NAR          HEATR
        SUSAEAENRT   IMPCO K40    R   H N34541443W096565137                E0039     NAR          IMPCO
        SUSAEAENRT   KAJAY K40    R   B N33480973W098460262                E0050     NAR          KAJAY
        SUSAEAENRT   MOOSE K40    R   B N34185307W097273870                E0042     NAR          MOOSE
        SUSAEAENRT   MOTZA K40    R   L N33155812W097440012                E0044     NAR          MOTZA
        SUSAEAENRT   MUDDE K40    C   B N34560544W097325463                E0043     NAR          MUDDE
        SUSAEAENRT   PLEBS K40    R   B N33412948W098220953                E0047     NAR          PLEBS
        SUSAEAENRT   TURKI K40    R   H N34180333W101033902                E0063     NAR          TURKI
        SUSAEAENRT   ZANTO K40    R   H N33594360W099281656                E0054     NAR          ZANTO

                 1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
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        SUSAP KNFWK4ANFW     0     120YHN32460907W097262952E007000650        1800018000M    MWGE    FORT WORTH NAS JRB/CARSWELL FI

                 1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KNFWK4EMOTZA71BGD   010BGD  K4D 0V       IF                                          18000
        SUSAP KNFWK4EMOTZA71BGD   020HEATRK4EA0E  H    TF                   11660956
        SUSAP KNFWK4EMOTZA71BGD   030SPS  K4D 0V  H    TF                   11920800
        SUSAP KNFWK4EMOTZA71BGD   040UKW  K4D 0V  H    TF                   11480472
        SUSAP KNFWK4EMOTZA71BGD   050MOTZAK4EA0EE      TF                   15870168
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(11) Arrival Name	(12) Number	(13) STAR Computer Code	(14) Superseded Nr.	(15) Dated	(16) Effective Date
MOTZA	SEVEN	MOTZA.MOTZA7	SIX	05 JUN 2000	

FAA Form 7100-3 (9/02)

```
SUSAP KNFWK4EMOTZA71GTH   010GTH  K4D 0V       IF                                18000
SUSAP KNFWK4EMOTZA71GTH   020ZANTOK4EA0E  H    TF          06300451
SUSAP KNFWK4EMOTZA71GTH   030KAJAYK4EA0E  H    TF          10290370
SUSAP KNFWK4EMOTZA71GTH   040PLEBSK4EA0E  H    TF          10290210
SUSAP KNFWK4EMOTZA71GTH   050MOTZAK4EA0EE       TF          12310408
SUSAP KNFWK4EMOTZA71IRW   010IRW  K4D 0V       IF                                18000
SUSAP KNFWK4EMOTZA71IRW   020MUDDEK4EA0E       TF          16630256
SUSAP KNFWK4EMOTZA71IRW   030MOOSEK4EA0E  H    TF          16630374
SUSAP KNFWK4EMOTZA71IRW   040ACKMEK4EA0E  H    TF          19500300
SUSAP KNFWK4EMOTZA71IRW   050UKW  K4D 0V  H    TF          19500200
SUSAP KNFWK4EMOTZA71IRW   060MOTZAK4EA0EE       TF          15870168
SUSAP KNFWK4EMOTZA71MUDDE 010MUDDEK4EA0E       IF                                18000
SUSAP KNFWK4EMOTZA71MUDDE 020MOOSEK4EA0E  H    TF          16630374
SUSAP KNFWK4EMOTZA71MUDDE 030ACKMEK4EA0E  H    TF          19500300
SUSAP KNFWK4EMOTZA71MUDDE 040UKW  K4D 0V  H    TF          19500200
SUSAP KNFWK4EMOTZA71MUDDE 050MOTZAK4EA0EE      TF          15870168
SUSAP KNFWK4EMOTZA71PNH   010PNH  K4D 0V       IF                                18000
SUSAP KNFWK4EMOTZA71PNH   020HEATRK4EA0E  H    TF          09660944
SUSAP KNFWK4EMOTZA71PNH   030SPS  K4D 0V  H    TF          11920800
SUSAP KNFWK4EMOTZA71PNH   040UKW  K4D 0V  H    TF          11480472
SUSAP KNFWK4EMOTZA71PNH   050MOTZAK4EA0EE       TF          15870168
SUSAP KNFWK4EMOTZA71SPS   010SPS  K4D 0V  H    IF                                18000
SUSAP KNFWK4EMOTZA71SPS   020UKW  K4D 0V  H    TF          11480472
SUSAP KNFWK4EMOTZA71SPS   030MOTZAK4EA0EE       TF          15870168
SUSAP KNFWK4EMOTZA71TUL   010TUL  K4D 0V       IF                                18000
SUSAP KNFWK4EMOTZA71TUL   020IMPCOK4EA0E        TF          20860960
SUSAP KNFWK4EMOTZA71TUL   030MOOSEK4EA0E  H    TF          20860435
SUSAP KNFWK4EMOTZA71TUL   040ACKMEK4EA0E  H    TF          19500300
SUSAP KNFWK4EMOTZA71TUL   050UKW  K4D 0V  H    TF          19500200
SUSAP KNFWK4EMOTZA71TUL   060MOTZAK4EA0EE       TF          15870168
SUSAP KNFWK4EMOTZA71TXO   010TXO  K4D 0V       IF                                18000
SUSAP KNFWK4EMOTZA71TXO   020TURKIK4EA0E  H    TF          08600891
SUSAP KNFWK4EMOTZA71TXO   030GANJAK4EA0E        TF          08600405
SUSAP KNFWK4EMOTZA71TXO   040ZANTOK4EA0E  H    TF          10290410
SUSAP KNFWK4EMOTZA71TXO   050KAJAYK4EA0E  H    TF          10290370
SUSAP KNFWK4EMOTZA71TXO   060PLEBSK4EA0E  H    TF          10290210
SUSAP KNFWK4EMOTZA71TXO   070MOTZAK4EA0EE       TF          12310408
SUSAP KNFWK4EMOTZA71UKW   010UKW  K4D 0V  H    IF                                18000
SUSAP KNFWK4EMOTZA71UKW   020MOTZAK4EA0EE       TF          15870168
SUSAP KNFWK4EMOTZA72ALL   010MOTZAK4EA0E        IF                                18000
SUSAP KNFWK4EMOTZA72ALL   020KNFW K4PA0AE       VM          1400
          1         2         3         4         5         6         7         8         9         0         1         2         3
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(11) Arrival Name	(12) Number	(13) STAR Computer Code	(14) Superseded Nr.	(15) Dated	(16) Effective Date
MOTZA	SEVEN	MOTZA.MOTZA7	SIX	05 JUN 2000	

```
RUNWAY  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------
        SUSAP KNFWK4GRW17    0120001735 N32470843W097262888+0200    +0160300621000063200IINFW1
        SUSAP KNFWK4GRW35    0120003535 N32450971W097263016-0200    +0168900650000059200IIFWH1
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(11) Arrival Name	(12) Number	(13) STAR Computer Code	(14) Superseded Nr.	(15) Dated	(16) Effective Date
MOTZA	SEVEN	MOTZA.MOTZA7	SIX	05 JUN 2000	

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
	BGD	BGD	010		IF		FB					
	BGD	HEATR	020		TF		FB		116.6()	095.6		
	BGD	SPS	030		TF		FB		119.2()	080.0		
	BGD	UKW	040		TF		FB		114.8()	047.2		
	BGD	MOTZA	050		TF		FB		158.7()	016.8		
	GTH	GTH	010		IF		FB					
	GTH	ZANTO	020		TF		FB		063.0()	045.1		
	GTH	KAJAY	030		TF		FB		102.9()	037.0		
	GTH	PLEBS	040		TF		FB		102.9()	021.0		
	GTH	MOTZA	050		TF		FB		123.1()	040.8		
	IRW	IRW	010		IF		FB					
	IRW	MUDDE	020		TF		FB		166.3()	025.6		
	IRW	MOOSE	030		TF		FB		166.3()	037.4		
	IRW	ACKME	040		TF		FB		195.0()	030.0		
	IRW	UKW	050		TF		FB		195.0()	020.0		
	IRW	MOTZA	060		TF		FB		158.7()	016.8		
	MUDDE	MUDDE	010		IF		FB					
	MUDDE	MOOSE	020		TF		FB		166.3()	037.4		
	MUDDE	ACKME	030		TF		FB		195.0()	030.0		
	MUDDE	UKW	040		TF		FB		195.0()	020.0		
	MUDDE	MOTZA	050		TF		FB		158.7()	016.8		
	PNH	PNH	010		IF		FB					
	PNH	HEATR	020		TF		FB		096.6()	094.4		
	PNH	SPS	030		TF		FB		119.2()	080.0		
	PNH	UKW	040		TF		FB		114.8()	047.2		
	PNH	MOTZA	050		TF		FB		158.7()	016.8		
	SPS	SPS	010		IF		FB					
	SPS	UKW	020		TF		FB		114.8()	047.2		
	SPS	MOTZA	030		TF		FB		158.7()	016.8		
	TUL	TUL	010		IF		FB					
	TUL	IMPCO	020		TF		FB		208.6()	096.0		
	TUL	MOOSE	030		TF		FB		208.6()	043.5		
	TUL	ACKME	040		TF		FB		195.0()	030.0		
	TUL	UKW	050		TF		FB		195.0()	020.0		
	TUL	MOTZA	060		TF		FB		158.7()	016.8		
	TXO	TXO	010		IF		FB					
	TXO	TURKI	020		TF		FB		086.0()	089.1		
	TXO	GANJA	030		TF		FB		086.0()	040.5		

(11) Arrival Name	(12) Number	(13) STAR Computer Code	(14) Superseded Nr.	(15) Dated	(16) Effective Date
MOTZA	SEVEN	MOTZA.MOTZA7	SIX	05 JUN 2000	

FAA Form 7100-3 (9/02)

TXO	ZANTO	040	TF	FB	102.9()	041.0
TXO	KAJAY	050	TF	FB	102.9()	037.0
TXO	PLEBS	060	TF	FB	102.9()	021.0
TXO	MOTZA	070	TF	FB	123.1()	040.8
UKW	UKW	010	IF	FB		
UKW	MOTZA	020	TF	FB	158.7()	016.8
ALL	MOTZA	010	IF	FB		
ALL	KNFW	020	VM	FB	140.0()	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	BGD	N354825.46	W1012255.75	N3548.424	W10122.929
	GTH	N334641.80	W1002010.31	N3346.697	W10020.172
	IRW	N352130.95	W0973633.22	N3521.516	W09736.554
	PNH	N351406.23	W1014156.52	N3514.104	W10141.942
	SPS	N335914.23	W0983536.50	N3359.237	W09835.608
	TUL	N361146.51	W0954717.13	N3611.775	W09547.286
	TXO	N342942.46	W1025022.79	N3429.708	W10250.380
	UKW	N333209.19	W0974916.60	N3332.153	W09749.277
	ACKME	N335051.24	W0974040.27	N3350.854	W09740.671
	GANJA	N341215.08	W1001516.30	N3412.251	W10015.272
	HEATR	N344928.31	W0995056.52	N3449.472	W09950.942
	IMPCO	N345414.43	W0965651.37	N3454.241	W09656.856
	KAJAY	N334809.73	W0984602.62	N3348.162	W09846.044
	MOOSE	N341853.07	W0972738.70	N3418.885	W09727.645
	MOTZA	N331558.12	W0974400.12	N3315.969	W09744.002
	MUDDE	N345605.44	W0973254.63	N3456.091	W09732.911
	PLEBS	N334129.48	W0982209.53	N3341.491	W09822.159
	TURKI	N341803.33	W1010339.02	N3418.056	W10103.650
	ZANTO	N335943.60	W0992816.56	N3359.727	W09928.276
	RW17	N324708.43	W0972628.88	N3247.141	W09726.481
	RW35	N324509.71	W0972630.16	N3245.162	W09726.503

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW17	00621	63
	RW35	00650	59

(11) Arrival Name	(12) Number	(13) STAR Computer Code	(14) Superseded Nr.	(15) Dated	(16) Effective Date
MOTZA	SEVEN	MOTZA.MOTZA7	SIX	05 JUN 2000	

RADIO FIX AND HOLDING DATA RECORD

NAME: ACKME **STATE:** TX **COUNTRY:** US

LATITUDE/LONGITUDE: 335051.24N/0974040.27W **TYPE:** INT, DME

AIRSPACE DOCKET: **FIX TYPE OF ACTION:** MODIFY

FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM FAC NM	DIST FROM FAC FEET	MRA	MAA
1	BOWIE	UKW	VORTAC	H	015.00	021.00	20.00	20.00		5000	45000
2	WICHITA FALLS	SPS	VORTAC	H	090.12	100.12	46.48	46.48		5000	45000

EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
SPS	VORTAC	R-090	47	5000	15600

HOLDING: **HOLDING TYPE OF ACTION:** NO CHANGE

PATTERNS:

PAT	DIR	IDENT	TYPE	RAD/CRS/BRG	CRS INBOUND	TURN (L OR R)	LEG LENGTH TIME	LEG LENGTH DME	HOLDING ALTITUDES MIN	HOLDING ALTITUDES MAX	TEMPLATES MIN	TEMPLATES MAX
1	N	UKW	VORTAC	015.00	195.00	R	1-1 1/2		5000	23000	7	21

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	TOWER (44-3511)	334619.00N/0974303.00W	1358	2C

HOLDING RESTRICTIONS:
HOLDING LIMITED TO ESTABLISHED PATTERN.

REMARKS:
BOWIE (FAC 1) AND WICHITA FALLS (FAC 2) USED TO ESTABLISH FIX COORDINATES
PRECIPITOUS TERRAIN EVALUATION COMPLETED.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
STAR	MOTZA	1, 2	1	KGKY	ARLINGTON	TX (US)
STAR	GREGS	1, 2	1	KADS	DALLAS	TX (US)
STAR	BOWIE	1, 2	1	KDAL	DALLAS	TX (US)
STAR	GREGS	1, 2	1	KDAL	DALLAS	TX (US)
STAR	GREGS	1, 2	1	KRBD	DALLAS	TX (US)
STAR	GREGS	1, 2	1	KTKI	DALLAS	TX (US)
STAR	BOWIE	1, 2	1	KDFW	DALLAS-FORT WORTH	TX (US)
STAR	MASTY	1, 2	1	KDFW	DALLAS-FORT WORTH	TX (US)
STAR	GREGS	1, 2	1	KDTO	DENTON	TX (US)
STAR	MOTZA	1, 2	1	KAFW	FORT WORTH	TX (US)
STAR	MOTZA	1, 2	1	KFTW	FORT WORTH	TX (US)
STAR	MOTZA	1, 2	1	KFWS	FORT WORTH	TX (US)
STAR	MOTZA	1, 2	1	KNFW	FORT WORTH	TX (US)
STAR	MOTZA	1, 2	1	KGPM	GRAND PRAIRIE	TX (US)
STAR	GREGS	1, 2	1	KLNC	LANCASTER	TX (US)
STAR	GREGS	1, 2	1	KHQZ	MESQUITE	TX (US)

REQUIRED CHARTING: STAR, CONTROLLER, EN ROUTE LOW, EN ROUTE HIGH

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 2 **DATE OF REVISION:** 03/07/2013

REASON FOR REVISION:
1. ADDED FAC 1 DIST FROM FAC NM 20.00.
2. CHANGED FAC 2 MAG BRG/TRUE BRG FROM 090.11/100.11 TO 090.12/100.12 AND ADDED DIST FROM FAC NM 46.48.
3. CONVERTED ESV TO NEW FORMAT.
4. ADDED FACILITIES USED TO ESTABLISH FIX COORDINATES NOTE.
5. ADDED PRECIPITOUS TERRAIN EVALUATION NOTE.
6. UPDATED FIX USE.

11/01/12: THIS IS AN UPDATED COPY OF THE FORM DEVELOPED ON 09/19/12.
1. CHANGED ESV SPS VORTAC DISTANCE FROM 46 TO 47.

DEVELOPED BY: **DATE:** 09/19/2012 **OFFICE:** AJV-353 **NAME:** STEVE NELSON

APPROVED BY: **DATE:** **OFFICE:** AJV-353 **NAME:** LARRY STROUT

SIGNATURE:

QUALITY CHECKED

DISTRIBUTION: **NFDC**
FPO: FTW
ARTCC: ZFW
ATC FACILITY:
OTHER:

RADIO FIX AND HOLDING DATA RECORD

NAME: GANJA **STATE:** TX **COUNTRY:** US

LATITUDE/LONGITUDE: 341215.08N/1001516.30W **TYPE:** INT, DME

AIRSPACE DOCKET: **FIX TYPE OF ACTION:** MODIFY

FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM FAC NM	DIST FROM FAC FEET	MRA	MAA
1	BOWIE	UKW	VORTAC	H	282.90	288.90	127.98	127.98		18000	45000
2	GUTHRIE	GTH	VORTAC	L	359.05	009.05		25.83		18000	45000
3	TEXICO	TXO	VORTAC	H	086.00	097.00	129.60	129.60		18000	45000

EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
GTH	VORTAC	R-359	26	19900	45000
TXO	VORTAC	R-086	130	18000	22100

HOLDING: **HOLDING TYPE OF ACTION:** NO CHANGE

REMARKS:
BOWIE (FAC 1) AND GUTHRIE (FAC 2) USED TO ESTABLISH FIX COORDINATES

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
EN ROUTE	J72	1, 2, 3				(US)
STAR	MOTZA	1, 2, 3		KGKY	ARLINGTON	TX (US)
STAR	GREGS	1, 2, 3		KADS	DALLAS	TX (US)
STAR	BOWIE	1, 2, 3		KDAL	DALLAS	TX (US)
STAR	GREGS	1, 2, 3		KDAL	DALLAS	TX (US)
STAR	GREGS	1, 2, 3		KRBD	DALLAS	TX (US)
STAR	GREGS	1, 2, 3		KTKI	DALLAS	TX (US)
STAR	BOWIE	1, 2, 3		KDFW	DALLAS-FORT WORTH	TX (US)
STAR	GREGS	1, 2, 3		KDTO	DENTON	TX (US)
STAR	MOTZA	1, 2, 3		KAFW	FORT WORTH	TX (US)
STAR	MOTZA	1, 2, 3		KFTW	FORT WORTH	TX (US)
STAR	MOTZA	1, 2, 3		KFWS	FORT WORTH	TX (US)
STAR	MOTZA	1, 2, 3		KNFW	FORT WORTH	TX (US)
STAR	MOTZA	1, 2, 3		KGPM	GRAND PRAIRIE	TX (US)
STAR	GREGS	1, 2, 3		KLNC	LANCASTER	TX (US)
STAR	GREGS	1, 2, 3		KHQZ	MESQUITE	TX (US)

REQUIRED CHARTING: STAR, CONTROLLER, EN ROUTE HIGH

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1 **DATE OF REVISION:** 03/07/2013

REASON FOR REVISION:
1. ADDED DIST FROM FAC NM TO FAC 1, 2, AND 3.
2. CONVERTED ESVS TO NEW FORMAT.
3. ADDED FACILITIES USED TO ESTABLISH FIX COORDINATES NOTE.
4. DELETED DIVERGENCE, MAG VAR, AND DISTANCE FROM FAC 2 NOTES.
5. UPDATED FIX USE.

11/01/12: THIS IS AN UPDATED COPY OF THE FORM DEVELOPED ON 09/20/12.
1. CHANGED ESV TXO VORTAC MAX ALTITUDE FROM 22000 TO 22100.
2. CHANGED FAC 1 AND 3 USED TO ESTABLISH FIX COORDINATES TO FAC 1 AND 2.
3. DELETED GUTHRIE (FAC 2) REQUIRED FOR USE AS INT.

DEVELOPED BY: **DATE:** 09/20/2012 **OFFICE:** AJV-353 **NAME:** STEVE NELSON

APPROVED BY: **DATE:** **OFFICE:** AJV-353 **NAME:** LARRY STROUT

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: FTW
ARTCC: ZFW
ATC FACILITY:
OTHER:

RADIO FIX AND HOLDING DATA RECORD

NAME: HEATR **STATE:** OK **COUNTRY:** US

LATITUDE/LONGITUDE: 344928.31N/0995056.52W **TYPE:** WP, INT, DME

AIRSPACE DOCKET: **FIX TYPE OF ACTION:** MODIFY

FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM FAC NM	DIST FROM FAC FEET	MRA	MAA
1	WICHITA FALLS	SPS	VORTAC	H	299.17	309.17	80.00	80.00		10000	45000
2	CHILDRESS	CDS	VORTAC	L	028.49	038.49		34.92		10000	45000
3	PANHANDLE	PNH	VORTAC	H	096.57	104.57	94.41	94.41		15000	45000
4	BORGER	BGD	VORTAC	L	116.58	127.58	95.56	95.56		18000	45000

EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
BGD	VORTAC	R-117	96	18000	45000
SPS	VORTAC	R-299	80	10000	15600
CDS	VORTAC	R-028	35	19900	45000
PNH	VORTAC	R-097	95	15000	18100

HOLDING: **HOLDING TYPE OF ACTION:** NO CHANGE

PATTERNS:

PAT	DIR	IDENT	TYPE	RAD/CRS/BRG	CRS INBOUND	TURN (L OR R)	LEG LENGTH TIME	LEG LENGTH DME	HOLDING ALTITUDES MIN	HOLDING ALTITUDES MAX	TEMPLATES MIN	TEMPLATES MAX
1	NW	SPS	VORTAC	299.17	119.17	L	1 1/2		24000	37000	21	28

REASON FOR NONSTANDARD HOLDING:
PAT 1 ATC REQUEST

HOLDING RESTRICTIONS:
HOLDING LIMITED TO ESTABLISHED PATTERN.

REMARKS:
WICHITA FALLS (FAC 1) AND CHILDRESS (FAC 2) USED TO ESTABLISH FIX COORDINATES
PRECIPITOUS TERRAIN EVALUATION COMPLETED.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE (US)
EN ROUTE	PITCH/CATCH POINT	1, 2, 3, 4				
STAR	MOTZA	1, 2, 3, 4	1	KGKY	ARLINGTON	TX (US)
STAR	GREGS	1, 2, 3, 4	1	KADS	DALLAS	TX (US)
STAR	BOWIE	1, 2, 3, 4	1	KDAL	DALLAS	TX (US)
STAR	GREGS	1, 2, 3, 4	1	KDAL	DALLAS	TX (US)
STAR	GREGS	1, 2, 3, 4	1	KRBD	DALLAS	TX (US)
STAR	GREGS	1, 2, 3, 4	1	KTKI	DALLAS	TX (US)
STAR	BOWIE	1, 2, 3, 4	1	KDFW	DALLAS-FORT WORTH	TX (US)
STAR	GREGS	1, 2, 3, 4	1	KDTO	DENTON	TX (US)
STAR	MOTZA	1, 2, 3, 4	1	KAFW	FORT WORTH	TX (US)
STAR	MOTZA	1, 2, 3, 4	1	KFTW	FORT WORTH	TX (US)
STAR	MOTZA	1, 2, 3, 4	1	KFWS	FORT WORTH	TX (US)
STAR	MOTZA	1, 2, 3, 4	1	KNFW	FORT WORTH	TX (US)
STAR	MOTZA	1, 2, 3, 4	1	KGPM	GRAND PRAIRIE	TX (US)
STAR	GREGS	1, 2, 3, 4	1	KLNC	LANCASTER	TX (US)
STAR	GREGS	1, 2, 3, 4	1	KHQZ	MESQUITE	TX (US)

REQUIRED CHARTING: STAR, CONTROLLER, EN ROUTE LOW, EN ROUTE HIGH

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 4 **DATE OF REVISION:** 03/07/2013

QUALITY RECORD

REASON FOR REVISION:
1. ADDED DIST FROM FAC NM TO FAC 1, 2, 3, AND 4.
2. CONVERTED ESVS TO NEW FORMAT.
3. ADDED FACILITIES USED TO ESTABLISH FIX COORDINATES NOTE.
4. ADDED PRECIPITOUS TERRAIN EVALUATION NOTE.
5. DELETED DIVERGENCE NOTES.
6. UPDATED FIX USE.

11/01/12: THIS IS AN UPDATED COPY OF THE FORM DEVELOPED ON 09/20/12.
1. CHANGED ESV SPS VORTAC MAX ALTITUDE FROM 16000 TO 15600.
2. ADDED TEMPLATES MIN 21 TO HOLDING PAT 1.
3. DELETED CHILDRESS (FAC 2) REQUIRED FOR USE AS INT.

DEVELOPED BY:	**DATE:** 09/20/2012	**OFFICE:** AJV-353	**NAME:** STEVE NELSON
APPROVED BY:	**DATE:**	**OFFICE:** AJV-353	**NAME:** LARRY STROUT
	SIGNATURE:		

DISTRIBUTION:
NFDC
FPO: FTW
ARTCC: ZFW
ATC FACILITY: REGIONAL APP CON
OTHER:

RADIO FIX AND HOLDING DATA RECORD

NAME: IMPCO **STATE:** OK **COUNTRY:** US

LATITUDE/LONGITUDE: 345414.43N/0965651.37W **TYPE:** INT, DME

AIRSPACE DOCKET: **FIX TYPE OF ACTION:** MODIFY

FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM FAC NM	DIST FROM FAC FEET	MRA	MAA
1	TULSA	TUL	VORTAC	H	208.59	216.59	96.00	96.00		22000	45000
2	WILL ROGERS	IRW	VORTAC	H	122.72	129.72		42.45		22000	45000

HOLDING: **HOLDING TYPE OF ACTION:** NO CHANGE

REMARKS:
TULSA (FAC 1) AND WILL ROGERS (FAC 2) USED TO ESTABLISH FIX COORDINATES

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
STAR	MOTZA	1, 2		KGKY	ARLINGTON	TX (US)
STAR	GREGS	1, 2		KADS	DALLAS	TX (US)
STAR	BOWIE	1, 2		KDAL	DALLAS	TX (US)
STAR	GREGS	1, 2		KDAL	DALLAS	TX (US)
STAR	GREGS	1, 2		KRBD	DALLAS	TX (US)
STAR	GREGS	1, 2		KTKI	DALLAS	TX (US)
STAR	BOWIE	1, 2		KDFW	DALLAS-FORT WORTH	TX (US)
STAR	MASTY	1, 2		KDFW	DALLAS-FORT WORTH	TX (US)
STAR	GREGS	1, 2		KDTO	DENTON	TX (US)
STAR	MOTZA	1, 2		KAFW	FORT WORTH	TX (US)
STAR	MOTZA	1, 2		KFTW	FORT WORTH	TX (US)
STAR	MOTZA	1, 2		KFWS	FORT WORTH	TX (US)
STAR	MOTZA	1, 2		KNFW	FORT WORTH	TX (US)
STAR	MOTZA	1, 2		KGPM	GRAND PRAIRIE	TX (US)
STAR	GREGS	1, 2		KLNC	LANCASTER	TX (US)
STAR	GREGS	1, 2		KHQZ	MESQUITE	TX (US)

REQUIRED CHARTING: STAR, CONTROLLER, EN ROUTE HIGH

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 2 **DATE OF REVISION:** 01/10/2013

REASON FOR REVISION:
1. ADDED DIST FROM FAC NM TO FAC 1 AND 2.
2. ADDED FACILITIES USED TO ESTABLISH FIX COORDINATES NOTE.
3. DELETED DIVERGENCE AND FAC MAG VAR NOTES.
4. UPDATED FIX USE.

DEVELOPED BY: **DATE:** 09/20/2012 **OFFICE:** AJV-353 **NAME:** STEVE NELSON

APPROVED BY: **DATE:** **OFFICE:** AJV-353 **NAME:** LARRY STROUT

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: FTW
ARTCC: ZFW
ATC FACILITY:
OTHER:

RADIO FIX AND HOLDING DATA RECORD

NAME: KAJAY **STATE:** TX **COUNTRY:** US

LATITUDE/LONGITUDE: 334809.73N/0984602.62W **TYPE:** INT, DME

AIRSPACE DOCKET: **FIX TYPE OF ACTION:** MODIFY

FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM FAC NM	DIST FROM FAC FEET	MRA	MAA
1	BOWIE	UKW	VORTAC	H	282.90	288.90	50.00	50.00		10000	45000
2	WICHITA FALLS	SPS	VORTAC	H	208.21	218.21		14.06		10000	45000

EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
UKW	VORTAC	R-283	50	10000	15600

HOLDING: **HOLDING TYPE OF ACTION:** MODIFY

PATTERNS:

PAT	DIR	IDENT	TYPE	RAD/CRS/BRG	CRS INBOUND	TURN (L OR R)	LEG LENGTH TIME	LEG LENGTH DME	HOLDING ALTITUDES MIN	HOLDING ALTITUDES MAX	TEMPLATES MIN	TEMPLATES MAX
1	W	UKW	VORTAC	282.90	102.90	R	1 1/2		15000	29000	17	24

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	265	TOWER (48-017013)	334049.94N/0990825.46W	1669	6F

HOLDING RESTRICTIONS:
HOLDING LIMITED TO ESTABLISHED PATTERN.

REMARKS:
BOWIE (FAC 1) AND WICHITA FALLS (FAC 2) USED TO ESTABLISH FIX COORDINATES
PRECIPITOUS TERRAIN EVALUATION COMPLETED.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
STAR	MOTZA	1, 2	1	KGKY	ARLINGTON	TX (US)
STAR	GREGS	1, 2	1	KADS	DALLAS	TX (US)
STAR	BOWIE	1, 2	1	KDAL	DALLAS	TX (US)
STAR	GREGS	1, 2	1	KDAL	DALLAS	TX (US)
STAR	GREGS	1, 2	1	KRBD	DALLAS	TX (US)
STAR	GREGS	1, 2	1	KTKI	DALLAS	TX (US)
STAR	BOWIE	1, 2	1	KDFW	DALLAS-FORT WORTH	TX (US)
STAR	GREGS	1, 2	1	KDTO	DENTON	TX (US)
STAR	MOTZA	1, 2	1	KAFW	FORT WORTH	TX (US)
STAR	MOTZA	1, 2	1	KFTW	FORT WORTH	TX (US)
STAR	MOTZA	1, 2	1	KFWS	FORT WORTH	TX (US)
STAR	MOTZA	1, 2	1	KNFW	FORT WORTH	TX (US)
STAR	MOTZA	1, 2	1	KGPM	GRAND PRAIRIE	TX (US)
STAR	GREGS	1, 2	1	KLNC	LANCASTER	TX (US)
STAR	GREGS	1, 2	1	KHQZ	MESQUITE	TX (US)

REQUIRED CHARTING: STAR, CONTROLLER, EN ROUTE LOW, EN ROUTE HIGH

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 3 **DATE OF REVISION:** 01/10/2013

REASON FOR REVISION:
1. ADDED DIST FROM FAC NM TO FAC 1 AND 2.
2. CONVERTED ESV TO NEW FORMAT.
3. UPDATED PAT 1 CONTROLLING OBSTACLE.
4. ADDED FACILITIES USED TO ESTABLISH FIX COORDINATES NOTE.
5. UPDATED FIX USE.

DEVELOPED BY: **DATE:** 09/20/2012 **OFFICE:** AJV-353 **NAME:** STEVE NELSON

APPROVED BY: **DATE:** **OFFICE:** AJV-353 **NAME:** LARRY STROUT

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: FTW
ARTCC: ZFW
ATC FACILITY:
OTHER:

RADIO FIX AND HOLDING DATA RECORD

NAME: MOOSE **STATE:** OK **COUNTRY:** US

LATITUDE/LONGITUDE: 341853.07N/0972738.70W **TYPE:** INT, DME

AIRSPACE DOCKET: **FIX TYPE OF ACTION:** MODIFY

FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM FAC NM	DIST FROM FAC FEET	MRA	MAA
1	BOWIE	UKW	VORTAC	H	015.00	021.00	50.00	50.00		10000	45000
2	ARDMORE	ADM	VORTAC	H	287.09	293.09		15.80		10000	45000
3	WILL ROGERS	IRW	VORTAC	H	166.27	173.27	62.96	62.96		10000	45000
4	TULSA	TUL	VORTAC	H	208.59	216.59	139.49	139.49		22000	45000

EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
IRW	VORTAC	R-166	63	10000	15800
TUL	VORTAC	R-209	140	22000	45000
UKW	VORTAC	R-015	50	5000	15600

HOLDING: **HOLDING TYPE OF ACTION:** NO CHANGE

PATTERNS:

PAT	DIR	IDENT	TYPE	RAD/CRS/BRG	CRS INBOUND	TURN (L OR R)	LEG LENGTH TIME	LEG LENGTH DME	HOLDING ALTITUDES MIN	HOLDING ALTITUDES MAX	TEMPLATES MIN	TEMPLATES MAX
1	N	UKW	VORTAC	015.00	195.00	L	1 1/2		18000	37000	18	28

REASON FOR NONSTANDARD HOLDING:
PAT 1 ATC REQUEST

HOLDING RESTRICTIONS:
HOLDING LIMITED TO ESTABLISHED PATTERN.

REMARKS:
ARDMORE (FAC 2) AND BOWIE (FAC 1) USED TO ESTABLISH FIX COORDINATES
PRECIPITOUS TERRAIN EVALUATION COMPLETED.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
STAR	MOTZA	1, 2	1	KGKY	ARLINGTON	TX (US)
STAR	GREGS	1, 2	1	KADS	DALLAS	TX (US)
STAR	BOWIE	1, 2	1	KDAL	DALLAS	TX (US)
STAR	GREGS	1, 2	1	KDAL	DALLAS	TX (US)
STAR	GREGS	1, 2	1	KRBD	DALLAS	TX (US)
STAR	GREGS	1, 2	1	KTKI	DALLAS	TX (US)
STAR	BOWIE	1, 2	1	KDFW	DALLAS-FORT WORTH	TX (US)
STAR	MASTY	1, 2	1	KDFW	DALLAS-FORT WORTH	TX (US)
STAR	GREGS	1, 2	1	KDTO	DENTON	TX (US)
STAR	MOTZA	1, 2	1	KAFW	FORT WORTH	TX (US)
STAR	MOTZA	1, 2	1	KFTW	FORT WORTH	TX (US)
STAR	MOTZA	1, 2	1	KFWS	FORT WORTH	TX (US)
STAR	MOTZA	1, 2	1	KNFW	FORT WORTH	TX (US)
STAR	MOTZA	1, 2	1	KGPM	GRAND PRAIRIE	TX (US)
STAR	GREGS	1, 2	1	KLNC	LANCASTER	TX (US)
STAR	GREGS	1, 2	1	KHQZ	MESQUITE	TX (US)

REQUIRED CHARTING: STAR, CONTROLLER, EN ROUTE LOW, EN ROUTE HIGH

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 2 **DATE OF REVISION:** 03/07/2013

REASON FOR REVISION:
1. ADDED DIST FROM FAC NM TO FAC 1 AND 2.
2. CHANGED FAC 2 MAG BRG/TRUE BRG FROM 287.11/293.11 TO 287.09/293.09.
3. ADDED FACILITIES PREVIOUSLY IDENTIFIED AS BACKUP AS FAC 3 AND 4.
4. CONVERTED ESVS TO NEW FORMAT.
5. ADDED FACILITIES USED TO ESTABLISH FIX COORDINATES NOTE.
6. ADDED PRECIPITOUS TERRAIN EVALUATION NOTE.
7. DELETED DIVERGENCE ANGLE NOTES.
8. UPDATED FIX USE.

11/01/12: THIS IS AN UPDATED COPY OF THE FORM DEVELOPED ON 09/2-/12.
1. ADDED TEMPLATES MIN 18 TO HOLDING PAT 1.

DEVELOPED BY: **DATE:** 09/20/2012 **OFFICE:** AJV-353 **NAME:** STEVE NELSON

APPROVED BY: **DATE:** **OFFICE:** AJV-353 **NAME:** LARRY STROUT

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: FTW
ARTCC: ZFW
ATC FACILITY:
OTHER:

RADIO FIX AND HOLDING DATA RECORD

NAME: MUDDE **STATE:** OK **COUNTRY:** US

LATITUDE/LONGITUDE: 345605.44N/0973254.63W **TYPE:** WP, INT, DME

AIRSPACE DOCKET: **FIX TYPE OF ACTION:** MODIFY

FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM FAC NM	DIST FROM FAC FEET	MRA	MAA
1	WILL ROGERS	IRW	VORTAC	H	166.27	173.27	25.56	25.56		10000	45000
2	ADA	ADH	VOR/DME	T	274.61	280.61		44.09		10000	17500

EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
ADH	VOR/DME	R-275	45	10000	17500

HOLDING: **HOLDING TYPE OF ACTION:** NO CHANGE

REMARKS:
WILL ROGERS (FAC 1) AND ADA (FAC 2) USED TO ESTABLISH FIX COORDINATES

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
STAR	MOTZA	1, 2		KGKY	ARLINGTON	TX (US)
STAR	BOWIE	1, 2		KDAL	DALLAS	TX (US)
STAR	BOWIE	1, 2		KDFW	DALLAS-FORT WORTH	TX (US)
STAR	MOTZA	1, 2		KAFW	FORT WORTH	TX (US)
STAR	MOTZA	1, 2		KFTW	FORT WORTH	TX (US)
STAR	MOTZA	1, 2		KFWS	FORT WORTH	TX (US)
STAR	MOTZA	1, 2		KNFW	FORT WORTH	TX (US)
STAR	MOTZA	1, 2		KGPM	GRAND PRAIRIE	TX (US)

REQUIRED CHARTING: STAR, CONTROLLER, EN ROUTE LOW, EN ROUTE HIGH

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1 **DATE OF REVISION:** 03/07/2013

REASON FOR REVISION:
1. RELOCATED FIX 0.12NM (742.52') WEST.
2. ADDED FIX TYPE INT AND DME AND ASSOCIATED FIX MAKE-UP FACILITIES.
3. ADDED EXPANDED SERVICE VOLUME FOR ADH VOR/DME.
4. ADDED BOWIE ARRIVAL FIX USE.
5. ADDED STAR, ENROUTE LOW, AND ENROUTE HIGH CHARTING.

DEVELOPED BY: **DATE:** 08/23/2012 **OFFICE:** AJV-353 **NAME:** STEVE NELSON

APPROVED BY: **DATE:** **OFFICE:** AJV-353 **NAME:** LARRY STROUT

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: CEN
ARTCC: ZFW
ATC FACILITY: OKC APP CON
OTHER:

QUALITY CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: PLEBS **STATE:** TX **COUNTRY:** US

LATITUDE/LONGITUDE: 334129.48N/0982209.53W **TYPE:** INT, DME

AIRSPACE DOCKET: **FIX TYPE OF ACTION:** MODIFY

FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM FAC NM	DIST FROM FAC FEET	MRA	MAA
1	BOWIE	UKW	VORTAC	H	282.90	288.90	29.00	29.00		5000	33000
2	MILLSAP	MQP	VORTAC	H	333.16	342.16		60.77		5000	33000
3	RANGER	FUZ	VORTAC	H	303.08	309.08	76.74	76.74		5000	33000

EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
FUZ	VORTAC	R-303	77	5000	15200
MQP	VORTAC	R-333	61	5000	15400

HOLDING: **HOLDING TYPE OF ACTION:** MODIFY

PATTERNS:

PAT	DIR	IDENT	TYPE	RAD/CRS/BRG	CRS INBOUND	TURN (L OR R)	LEG LENGTH TIME	LEG LENGTH DME	HOLDING ALTITUDES MIN	HOLDING ALTITUDES MAX	TEMPLATES MIN	TEMPLATES MAX
1	W	UKW	VORTAC	282.90	102.90	L	1-1 1/2		5000	23000	7	21

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	TOWER (48-025867)	334545.39N/0983615.82W	1414	2C

REASON FOR NONSTANDARD HOLDING:
PAT 1 AT REQUEST

HOLDING RESTRICTIONS:
HOLDING LIMITED TO ESTABLISHED PATTERN.

REMARKS:
BOWIE (FAC 1) AND MILLSAP (FAC 2) USED TO ESTABLISH FIX COORDINATES
PRECIPITOUS TERRAIN EVALUATION COMPLETED.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
STAR	MOTZA	1, 2, 3	1	KGKY	ARLINGTON	TX (US)
STAR	GREGS	1, 2	1	KADS	DALLAS	TX (US)
STAR	BOWIE	1, 2	1	KDAL	DALLAS	TX (US)
STAR	GREGS	1, 2	1	KDAL	DALLAS	TX (US)
STAR	GREGS	1, 2	1	KRBD	DALLAS	TX (US)
STAR	GREGS	1, 2	1	KTKI	DALLAS	TX (US)
STAR	BOWIE	1, 2	1	KDFW	DALLAS-FORT WORTH	TX (US)
STAR	GREGS	1, 2	1	KDTO	DENTON	TX (US)
STAR	MOTZA	1, 2, 3	1	KAFW	FORT WORTH	TX (US)
STAR	MOTZA	1, 2, 3	1	KFTW	FORT WORTH	TX (US)
STAR	MOTZA	1, 2, 3	1	KFWS	FORT WORTH	TX (US)
STAR	MOTZA	1, 2, 3	1	KNFW	FORT WORTH	TX (US)
STAR	MOTZA	1, 2, 3	1	KGPM	GRAND PRAIRIE	TX (US)
STAR	GREGS	1, 2	1	KLNC	LANCASTER	TX (US)
STAR	GREGS	1, 2	1	KHQZ	MESQUITE	TX (US)

REQUIRED CHARTING: STAR, CONTROLLER, EN ROUTE LOW, EN ROUTE HIGH

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 2 **DATE OF REVISION:** 03/07/2013

REASON FOR REVISION:
1. ADDED DIST FROM FAC NM TO FAC 1, 2, AND 3.
2. CONVERTED ESVS TO NEW FORMAT.
3. UPDATED PAT 1 CONTROLLING OBSTACLE.
4. ADDED FACILITIES USED TO ESTABLISH FIX COORDINATES NOTE.
5. ADDED PRECIPITOUS TERRAIN EVALUATION NOTE.
6. DELETED DIVERGENCE NOTES.
7. UPDATED FIX USE.

11/01/12: THIS IS AN UPDATED COPY OF THE FORM DEVELOPED ON 09/20/12.
1. DELETED MILLSAP (FAC 2) REQUIRED FOR USE AS INT.

DEVELOPED BY: **DATE:** 09/20/2012 **OFFICE:** AJV-353 **NAME:** STEVE NELSON

APPROVED BY: **DATE:** **OFFICE:** AJV-353 **NAME:** LARRY STROUT

SIGNATURE:

DISTRIBUTION: **NFDC**
FPO: FTW
ARTCC: ZFW
ATC FACILITY:
OTHER:

RADIO FIX AND HOLDING DATA RECORD

NAME: TULSA VORTAC **STATE:** OK **COUNTRY:** US

LATITUDE/LONGITUDE: 361146.51N/0954717.13W **TYPE:**

AIRSPACE DOCKET: **FIX TYPE OF ACTION:** MODIFY

FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM FAC NM	DIST FROM FAC FEET	MRA	MAA
1	TULSA	TUL	VORTAC	H							45000

HOLDING: **HOLDING TYPE OF ACTION:**

PATTERNS:

PAT	DIR	IDENT	TYPE	RAD/CRS/BRG	CRS INBOUND	TURN (L OR R)	LEG LENGTH TIME	LEG LENGTH DME	HOLDING ALTITUDES MIN	HOLDING ALTITUDES MAX	TEMPLATES MIN	TEMPLATES MAX
1	N	TUL	VORTAC	007.00	187.00	R	1-1 1/2		3000	45000	4	29
2	E	TUL	VORTAC	081.00	261.00	R	1-1 1/2		2400	17500	4	16
3	E	TUL	VORTAC	080.00	260.00	R	1-1 1/2		2400	15000	4	15

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	TOWER (40-001734)	362002.81N/0954709.50W	1345	2C
2	200	TOWER (40-000147)	360847.60N/0954827.10W	1234	4D
3	200	TOWER (40-000147)	360847.60N/0954827.10W	1234	4D

HOLDING RESTRICTIONS:
HOLDING LIMITED TO ESTABLISHED PATTERNS.

REMARKS:
CHART PAT 1 ONLY ON LOW AND HIGH ENROUTE CHARTS
PRECIPITOUS TERRAIN EVALUATION COMPLETE.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	BENTON			KVBT	BENTONVILLE	AR (US)
DP	RAZORBACK			KFYV	FAYETTEVILLE	AR (US)
DP	HIGHFILL			KXNA	FAYETTEVILLE/SPRINGDALE/ROGERS	AR (US)
DP	ROGERS			KROG	ROGERS	AR (US)
DP	SPRINGS			KASG	SPRINGDALE	AR (US)
DP	TULSA		3	KRVS	TULSA	OK (US)
DP	TULSA		3	KTUL	TULSA	OK (US)
DP	LEONA			KLBX	ANGLETON/LAKE JACKSON	TX (US)
DP	TEXOMA			KGKY	ARLINGTON	TX (US)
DP	LEONA			K55TA	CONROE	TX (US)
DP	TEXOMA			KADS	DALLAS	TX (US)
DP	KRUMM			KDAL	DALLAS	TX (US)
DP	TEXOMA			KDAL	DALLAS	TX (US)
DP	TEXOMA			KRBD	DALLAS	TX (US)
DP	BLECO (RNAV)			KDFW	DALLAS-FORT WORTH	TX (US)
DP	JACKY			KDFW	DALLAS-FORT WORTH	TX (US)
DP	TEXOMA			KDFW	DALLAS-FORT WORTH	TX (US)
DP	TEXOMA			KDTO	DENTON	TX (US)
DP	TEXOMA			KAFW	FORT WORTH	TX (US)
DP	TEXOMA			KFTW	FORT WORTH	TX (US)
DP	TEXOMA			KFWS	FORT WORTH	TX (US)
DP	TEXOMA			KNFW	FORT WORTH	TX (US)
DP	LEONA			KGLS	GALVESTON	TX (US)
DP	TEXOMA			KGPM	GRAND PRAIRIE	TX (US)
DP	LEONA			KAXH	HOUSTON	TX (US)
DP	LEONA			KCXO	HOUSTON	TX (US)
DP	LEONA			KDWH	HOUSTON	TX (US)
DP	LEONA			KEFD	HOUSTON	TX (US)
DP	LEONA			KEYQ	HOUSTON	TX (US)
DP	LEONA			KHOU	HOUSTON	TX (US)
DP	LEONA			KIAH	HOUSTON	TX (US)
DP	LEONA			KIWS	HOUSTON	TX (US)
DP	LEONA			KSGR	HOUSTON	TX (US)
DP	LEONA			KTME	HOUSTON	TX (US)
DP	LEONA			KT41	LA PORTE	TX (US)
DP	TEXOMA			KLNC	LANCASTER	TX (US)
DP	TEXOMA			KTKI	MC KINNEY	TX (US)
DP	TEXOMA			KHQZ	MESQUITE	TX (US)
EN ROUTE	V256					(US)
EN ROUTE	V506					(US)
EN ROUTE	V73					(US)
EN ROUTE	V88					(US)
EN ROUTE	J25					OK (US)
EN ROUTE	J46					OK (US)
EN ROUTE	J78					OK (US)
EN ROUTE	J87					OK (US)
EN ROUTE	J98					OK (US)

QUALITY A CHECKED

EN ROUTE	V131				OK (US)
EN ROUTE	V14				OK (US)
EN ROUTE	V140				OK (US)
EN ROUTE	V161				OK (US)
EN ROUTE	V436				OK (US)
EN ROUTE	V74				OK (US)
IAP	VOR/DME RWY 35		KBVO	BARTLESVILLE	OK (US)
IAP	VOR/DME-A		KGCM	CLAREMORE	OK (US)
IAP	VOR/DME-B	2	KGCM	CLAREMORE	OK (US)
IAP	VOR/DME OR GPS-A		KH71	PRYOR	OK (US)
IAP	NDB RWY 35		KOWP	SAND SPRINGS	OK (US)
IAP	RNAV (GPS) RWY 17		KOWP	SAND SPRINGS	OK (US)
IAP	RNAV (GPS) RWY 35		KOWP	SAND SPRINGS	OK (US)
IAP	VOR/DME-A		KOWP	SAND SPRINGS	OK (US)
IAP	ILS OR LOC RWY 1L		KRVS	TULSA	OK (US)
IAP	VOR RWY 1L		KRVS	TULSA	OK (US)
IAP	VOR/DME-A		KRVS	TULSA	OK (US)
IAP	HI-VOR/DME OR TACAN RWY 26		KTUL	TULSA	OK (US)
IAP	ILS OR LOC RWY 18L	2	KTUL	TULSA	OK (US)
IAP	ILS OR LOC RWY 18R		KTUL	TULSA	OK (US)
IAP	ILS OR LOC RWY 36R	2	KTUL	TULSA	OK (US)
IAP	ILS RWY 36R (CAT II)	2	KTUL	TULSA	OK (US)
IAP	RADAR	2	KTUL	TULSA	OK (US)
IAP	VOR OR TACAN RWY 26		KTUL	TULSA	OK (US)
IAP	VOR/DME RWY 8		KTUL	TULSA	OK (US)
STAR	GULLI		KCHK	CHICKASHA	OK (US)
STAR	GULLI		KRQO	EL RENO	OK (US)
STAR	GULLI		K1K4	GOLDSBY	OK (US)
STAR	GULLI		KGOK	GUTHRIE	OK (US)
STAR	GULLI		KOUN	NORMAN	OK (US)
STAR	GULLI		KHSD	OKLAHOMA CITY	OK (US)
STAR	GULLI		KOKC	OKLAHOMA CITY	OK (US)
STAR	GULLI		KPWA	OKLAHOMA CITY	OK (US)
STAR	GULLI		KRCE	OKLAHOMA CITY	OK (US)
STAR	GULLI		KTIK	OKLAHOMA CITY	OK (US)
STAR	GULLI		KSNL	SHAWNEE	OK (US)
STAR	VINTA		KRVS	TULSA	OK (US)
STAR	VINTA		KTUL	TULSA	OK (US)
STAR	MOTZA		KGKY	ARLINGTON	TX (US)
STAR	SASIE		KGKY	ARLINGTON	TX (US)
STAR	FINGR		KADS	DALLAS	TX (US)
STAR	GREGS		KADS	DALLAS	TX (US)
STAR	FINGR		KDAL	DALLAS	TX (US)
STAR	GREGS		KDAL	DALLAS	TX (US)
STAR	FINGR		KRBD	DALLAS	TX (US)
STAR	GREGS		KRBD	DALLAS	TX (US)
STAR	GREGS		KTKI	DALLAS	TX (US)
STAR	BONHAM		KDFW	DALLAS-FORT WORTH	TX (US)
STAR	BOWIE		KDFW	DALLAS-FORT WORTH	TX (US)
STAR	MASTY		KDFW	DALLAS-FORT WORTH	TX (US)
STAR	WILBR		KDFW	DALLAS-FORT WORTH	TX (US)
STAR	GREGS		KDTO	DENTON	TX (US)
STAR	SASIE		KDTO	DENTON	TX (US)
STAR	MOTZA		KAFW	FORT WORTH	TX (US)
STAR	SASIE		KAFW	FORT WORTH	TX (US)
STAR	MOTZA		KFTW	FORT WORTH	TX (US)
STAR	SASIE		KFTW	FORT WORTH	TX (US)
STAR	MOTZA		KFWS	FORT WORTH	TX (US)
STAR	SASIE		KFWS	FORT WORTH	TX (US)
STAR	MOTZA		KNFW	FORT WORTH	TX (US)
STAR	SASIE		KNFW	FORT WORTH	TX (US)
STAR	MOTZA		KGPM	GRAND PRAIRIE	TX (US)
STAR	SASIE		KGPM	GRAND PRAIRIE	TX (US)
STAR	FINGR		KLNC	LANCASTER	TX (US)
STAR	GREGS		KLNC	LANCASTER	TX (US)
STAR	FINGR		KHQZ	MESQUITE	TX (US)
STAR	GREGS		KHQZ	MESQUITE	TX (US)

REQUIRED CHARTING: DP, STAR, MILITARY IAP, IAP, CONTROLLER, EN ROUTE LOW, EN ROUTE HIGH

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 14 **DATE OF REVISION:** 03/07/2013

REASON FOR REVISION:
1. FACILITY COORDINATE UPDATED TO REFLECT 3RD PARTY SURVEY DATED 06/10/2011 AND NFDD'D 09/04/2012 (171-4). FACILITY DID NOT ACTUALLY MOVE, COORDINATE CHANGED 3.45' (0.00NM) SOUTHWEST.

DEVELOPED BY: **DATE:** 11/05/2012 **OFFICE:** AJV-353 **NAME:** STEVE NELSON

APPROVED BY: **DATE:** **OFFICE:** AJV-353 **NAME:** LARRY STROUT

SIGNATURE:

QUALITY CHECKED

DISTRIBUTION: **NFDC**
FPO: CEN
ARTCC: ZKC
ATC FACILITY: TUL APP CON
OTHER: ZFW, ZHU

QUALITY CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: TURKI **STATE:** TX **COUNTRY:** US

LATITUDE/LONGITUDE: 341803.33N/1010339.02W **TYPE:** DME

AIRSPACE DOCKET: **FIX TYPE OF ACTION:** MODIFY

FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM FAC NM	DIST FROM FAC FEET	MRA	MAA
1	TEXICO	TXO	VORTAC	H	086.00	097.00	89.08	89.08		18000	45000
2	PANHANDLE	PNH	VORTAC	H	142.40	150.40	64.24	64.24		18000	45000

EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
TXO	VORTAC	R-086	90	18000	19000

HOLDING: **HOLDING TYPE OF ACTION:** NO CHANGE

PATTERNS:

PAT	DIR	IDENT	TYPE	RAD/CRS/BRG	CRS INBOUND	TURN (L OR R)	LEG LENGTH TIME	LEG LENGTH DME	HOLDING ALTITUDES MIN	HOLDING ALTITUDES MAX	TEMPLATES MIN	TEMPLATES MAX
1	W	TXO	VORTAC	086.00	086.00	R	1 1/2		18000	45000	18	31

HOLDING RESTRICTIONS:
HOLDING LIMITED TO ESTABLISHED PATTERN.

REMARKS:
TEXICO (FAC 1) AND PANHANDLE (FAC 2) USED TO ESTABLISH FIX COORDINATES
PRECIPITOUS TERRAIN EVALUATION COMPLETED.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
EN ROUTE	J17	1, 2				(US)
STAR	MOTZA	1, 2	1	KGKY	ARLINGTON	TX (US)
STAR	GREGS	1, 2	1	KADS	DALLAS	TX (US)
STAR	BOWIE	1, 2	1	KDAL	DALLAS	TX (US)
STAR	GREGS	1, 2	1	KDAL	DALLAS	TX (US)
STAR	GREGS	1, 2	1	KRBD	DALLAS	TX (US)
STAR	GREGS	1, 2	1	KTKI	DALLAS	TX (US)
STAR	BOWIE	1, 2	1	KDFW	DALLAS-FORT WORTH	TX (US)
STAR	GREGS	1, 2	1	KDTO	DENTON	TX (US)
STAR	MOTZA	1, 2	1	KAFW	FORT WORTH	TX (US)
STAR	MOTZA	1, 2	1	KFTW	FORT WORTH	TX (US)
STAR	MOTZA	1, 2	1	KFWS	FORT WORTH	TX (US)
STAR	MOTZA	1, 2	1	KNFW	FORT WORTH	TX (US)
STAR	MOTZA	1, 2	1	KGPM	GRAND PRAIRIE	TX (US)
STAR	GREGS	1, 2	1	KLNC	LANCASTER	TX (US)
STAR	GREGS	1, 2	1	KHQZ	MESQUITE	TX (US)

REQUIRED CHARTING: STAR, CONTROLLER, EN ROUTE HIGH

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 5 **DATE OF REVISION:** 03/07/2013

REASON FOR REVISION:
1. ADDED DIST FROM FAC NM TO FAC 1 AND 2.
2. CHANGED FAC 2 MAG BRG/TRUE BRG FROM 142.41/150.41 TO 140.40/150.40.
3. CONVERTED ESV TO NEW FORMAT.
4. ADDED PRECIPITOUS TERRAIN EVALUATION NOTE.
5. UPDATED FIX USE.

11/01/12: THIS IS AN UPDATED COPY OF THE FORM DEVELOPED ON 09/20/12.
1. ADDED TEMPLATES MIN 18 TO HOLDING PAT 1.

DEVELOPED BY: **DATE:** 09/20/2012 **OFFICE:** AJV-353 **NAME:** STEVE NELSON

APPROVED BY: **DATE:** **OFFICE:** AJV-353 **NAME:** LARRY STROUT

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: FTW
ARTCC: ZFW, ZAB
ATC FACILITY:
OTHER:

RADIO FIX AND HOLDING DATA RECORD

NAME: ZANTO **STATE:** TX **COUNTRY:** US

LATITUDE/LONGITUDE: 335943.60N/0992816.56W **TYPE:** INT, DME

AIRSPACE DOCKET: **FIX TYPE OF ACTION:** MODIFY

FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM FAC NM	DIST FROM FAC FEET	MRA	MAA
1	BOWIE	UKW	VORTAC	H	282.90	288.90	87.00	87.00		10000	45000
2	ABILENE	ABI	VORTAC	H	002.17	012.17		92.80		10000	45000
3	GUTHRIE	GTH	VORTAC	L	063.00	073.00	45.12	45.12		10000	45000

EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
UKW	VORTAC	R-283	87	10000	15600
ABI	VORTAC	R-002	93	10000	16400
GTH	VORTAC	R-063	45	10000	45000

HOLDING: **HOLDING TYPE OF ACTION:** NO CHANGE

PATTERNS:

PAT	DIR	IDENT	TYPE	RAD/CRS/BRG	CRS INBOUND	TURN (L OR R)	LEG LENGTH TIME	LEG LENGTH DME	HOLDING ALTITUDES MIN	HOLDING ALTITUDES MAX	TEMPLATES MIN	TEMPLATES MAX
1	W	UKW	VORTAC	282.90	102.90	L	1 1/2		24000	37000	21	28

REASON FOR NONSTANDARD HOLDING:
PAT 1 ATC REQUEST

HOLDING RESTRICTIONS:
HOLDING LIMITED TO ESTABLISHED PATTERN.

REMARKS:
BOWIE (FAC 1) AND ABILENE (FAC 2) USED TO ESTABLISH FIX COORDINATES
ABILENE (FAC 2) REQUIRED FOR USE AS INT.
PRECIPITOUS TERRAIN EVALUATION COMPLETED.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
STAR	MOTZA	1, 2, 3	1	KGKY	ARLINGTON	TX (US)
STAR	GREGS	1, 2, 3	1	KADS	DALLAS	TX (US)
STAR	BOWIE	1, 2, 3	1	KDAL	DALLAS	TX (US)
STAR	GREGS	1, 2, 3	1	KDAL	DALLAS	TX (US)
STAR	GREGS	1, 2, 3	1	KRBD	DALLAS	TX (US)
STAR	GREGS	1, 2, 3	1	KTKI	DALLAS	TX (US)
STAR	BOWIE	1, 2, 3	1	KDFW	DALLAS-FORT WORTH	TX (US)
STAR	GREGS	1, 2, 3	1	KDTO	DENTON	TX (US)
STAR	MOTZA	1, 2, 3	1	KAFW	FORT WORTH	TX (US)
STAR	MOTZA	1, 2, 3	1	KFTW	FORT WORTH	TX (US)
STAR	MOTZA	1, 2, 3	1	KFWS	FORT WORTH	TX (US)
STAR	MOTZA	1, 2, 3	1	KNFW	FORT WORTH	TX (US)
STAR	MOTZA	1, 2, 3	1	KGPM	GRAND PRAIRIE	TX (US)
STAR	GREGS	1, 2, 3	1	KLNC	LANCASTER	TX (US)
STAR	GREGS	1, 2, 3	1	KHQZ	MESQUITE	TX (US)

REQUIRED CHARTING: STAR, CONTROLLER, EN ROUTE HIGH

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 2 **DATE OF REVISION:** 03/07/2013

REASON FOR REVISION:
1. ADDED DIST FROM FAC NM TO FAC 1, 2, AND 3.
2. CONVERTED ESVS TO NEW FORMAT.
3. ADDED FACILITIES USED TO ESTABLISH FIX COORDINATES NOTE.
4. ADDED PRECIPITOUS TERRAIN EVALUATION NOTE.
5. DELETED DIVERGENCE NOTES.
6. UPDATED FIX USE.

11/01/12: THIS IS AN UPDATED COPY OF THE FORM DEVELOPED ON 09/20/12.
1. ADDED TEMPLATES MIN 21 TO HOLDING PAT 1.
2. DELETED ABILENE (FAC 2) REQUIRED FOR USE AS INT.

DEVELOPED BY: **DATE:** 09/20/2012 **OFFICE:** AJV-353 **NAME:** STEVE NELSON

APPROVED BY: **DATE:** **OFFICE:** AJV-353 **NAME:** LARRY STROUT

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: FTW
ARTCC: ZFW
ATC FACILITY:
OTHER:

"INFO ONLY"

RADIO FIX AND HOLDING DATA RECORD

NAME: BORGER VORTAC **STATE:** TX **COUNTRY:** US

LATITUDE/LONGITUDE: 354825.46N/1012255.75W **TYPE:**

AIRSPACE DOCKET: **FIX TYPE OF ACTION:** NO CHANGE

FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM FAC NM	DIST FROM FAC FEET	MRA	MAA
1	BORGER	BGD	VORTAC	L							45000

EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
BGD	VORTAC	R-084	102	180	450

FIX RESTRICTIONS:
SPECIAL RNAV (GPS) RWY 01, KBPC, PAMPA, TX
SPECIAL RNAV (GPS) RWY 19, KBPC, PAMPA, TX

HOLDING: **HOLDING TYPE OF ACTION:** MODIFY

PATTERNS:

PAT	DIR	IDENT	TYPE	RAD/CRS/BRG	CRS INBOUND	TURN (L OR R)	LEG LENGTH TIME	LEG LENGTH DME	HOLDING ALTITUDES MIN	HOLDING ALTITUDES MAX	TEMPLATES MIN	TEMPLATES MAX
1	N	BGD	VORTAC	355.00	175.00	R	1		5000	6000	5	5
2	N	BGD	VORTAC	353.00	173.00	R	1		5000	6000	5	5
3	S	BGD	VORTAC	175.00	355.00	R	1		5000	6000	5	5

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	TOWER (48-010899)	355044.97N/1012653.45W	3807	2C
2	200	TOWER (48-010899)	355044.97N/1012653.45W	3807	2C
3	200	TOWER (48-003996)	355036.00N/1012647.00W	3620	5D

HOLDING RESTRICTIONS:
HOLDING LIMITED TO ESTABLISHED PATTERNS.

REMARKS:
PRECIPITOUS TERRAIN EVALUATION COMPLETED.
SINCE IFP FIX ONLY ALLOWS ONE FACILITY ESV, THE FOLLOWING ARE THE ADDITIONAL ESVS ON FILE THAT SUPPORT THIS LOW VORTAC THAT IS USED FOR JET ROUTES ON THE HIGH ENROUTE CHART:

IDENT	TYPE	RADIAL	DISTANCE	MIN	MAX
BGD	VORTAC	R-117	96	180	450
BGD	VORTAC	R-247	93	180	450
BGD	VORTAC	R-257	92	180	450

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
EN ROUTE	J142					(US)
EN ROUTE	J8					(US)
EN ROUTE	V272					(US)
EN ROUTE	V304					(US)
EN ROUTE	V390					(US)
IAP	NDB RWY 18			KGUY	GUYMON	OK (US)
IAP	RNAV (GPS) RWY 36			KGUY	GUYMON	OK (US)
IAP	ILS RWY 04			KAMA	AMARILLO	TX (US)
IAP	LDA/DME RWY 22			KAMA	AMARILLO	TX (US)
IAP	VOR RWY 17		1	KBGD	BORGER	TX (US)
IAP	VOR/DME RWY 35		2	KBGD	BORGER	TX (US)
IAP	RNAV (GPS) RWY 04			KHHF	CANADIAN	TX (US)
IAP	RNAV (GPS) RWY 01			KDUX	DUMAS	TX (US)
IAP	RNAV (GPS) RWY 19			KDUX	DUMAS	TX (US)
IAP	RNAV (GPS) RWY 2			KE19	GRUVER	TX (US)
IAP	RNAV (GPS) RWY 01			KBPC	PAMPA	TX (US)
IAP	RNAV (GPS) RWY 19			KBPC	PAMPA	TX (US)
IAP	NDB RWY 17			KPPA	PAMPA	TX (US)
IAP	RNAV (GPS) RWY 17			KPPA	PAMPA	TX (US)
IAP	VOR/DME - A		1	KPPA	PAMPA	TX (US)
IAP	RNAV (GPS) RWY 17			KT45	PANHANDLE	TX (US)
IAP	VOR-A			KT45	PANHANDLE	TX (US)
IAP	VOR/DME RWY 02		3	KE42	SPEARMAN	TX (US)
STAR	MOTZA			KGKY	ARLINGTON	TX (US)
STAR	GREGS			KADS	DALLAS	TX (US)
STAR	BOWIE			KDAL	DALLAS	TX (US)
STAR	GREGS			KDAL	DALLAS	TX (US)
STAR	GREGS			KRBD	DALLAS	TX (US)
STAR	GREGS			KTKI	DALLAS	TX (US)
STAR	BOWIE			KDFW	DALLAS-FORT WORTH	TX (US)
STAR	GREGS			KDTO	DENTON	TX (US)
STAR	MOTZA			KAFW	FORT WORTH	TX (US)
STAR	MOTZA			KFTW	FORT WORTH	TX (US)

QUALITY 3 CHECKED

STAR	MOTZA	KFWS	FORT WORTH	TX (US)
STAR	MOTZA	KNFW	FORT WORTH	TX (US)
STAR	MOTZA	KGPM	GRAND PRAIRIE	TX (US)
STAR	GREGS	KLNC	LANCASTER	TX (US)
STAR	GREGS	KHQZ	MESQUITE	TX (US)

REQUIRED CHARTING: IAP, CONTROLLER, EN ROUTE LOW, EN ROUTE HIGH

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 12 **DATE OF REVISION:** 01/10/2013

REASON FOR REVISION:
UPDATED FIX USE.
PAT 3 CHANGED CTRL OBS FROM TOWER (48-010899) 355044.97N/1012653.45W 3807 2C TO TOWER (48-003996) 355036.00N/1012647.00W 3620 5D.

DEVELOPED BY: **DATE:** 08/17/2012 **OFFICE:** AJV-353 **NAME:** JILL OLSON (ANKUR VERMA)

APPROVED BY: **DATE:** **OFFICE:** AJV-353 **NAME:** LARRY STROUT

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: CEN
ARTCC: ZAB
ATC FACILITY: AMA APP CON
OTHER:

QUALITY 3 CHECKED

"INFO ONLY"

RADIO FIX AND HOLDING DATA RECORD

NAME: BOWIE VORTAC **STATE:** TX **COUNTRY:** US

LATITUDE/LONGITUDE: 333209.19N/0974916.60W **TYPE:**

AIRSPACE DOCKET: **FIX TYPE OF ACTION:** MODIFY

FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM FAC NM	DIST FROM FAC FEET	MRA	MAA
1	BOWIE	UKW	VORTAC	H							45000

FIX RESTRICTIONS:
SPECIAL VOR/DME RWY 12, K4T2, FORT WORTH, TX

HOLDING: **HOLDING TYPE OF ACTION:** MODIFY

PATTERNS:

PAT	DIR	IDENT	TYPE	RAD/CRS/BRG	CRS INBOUND	TURN (L OR R)	LEG LENGTH TIME	LEG LENGTH DME	HOLDING ALTITUDES MIN	HOLDING ALTITUDES MAX	TEMPLATES MIN	TEMPLATES MAX
1	W	UKW	VORTAC	282.90	102.90	L	1-1 1/2		3000	17500	4	16

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	TOWER (48-001200)	333445.00N/0974852.00W	1502	5D

REASON FOR NONSTANDARD HOLDING:
PAT 1 AIR TRAFFIC

HOLDING RESTRICTIONS:
HOLDING LIMITED TO ESTABLISHED PATTERN.

REMARKS:
PRECIPITOUS TERRAIN EVALUATION COMPLETED.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	KINGDOM			KGKY	ARLINGTON	TX (US)
DP	TEXOMA			KGKY	ARLINGTON	TX (US)
DP	WORTH			KGKY	ARLINGTON	TX (US)
DP	KINGDOM			KADS	DALLAS	TX (US)
DP	TEXOMA			KADS	DALLAS	TX (US)
DP	WORTH			KADS	DALLAS	TX (US)
DP	COYOTE			KDAL	DALLAS	TX (US)
DP	KINGDOM			KDAL	DALLAS	TX (US)
DP	KRUMM			KDAL	DALLAS	TX (US)
DP	LOVE			KDAL	DALLAS	TX (US)
DP	TEXOMA			KDAL	DALLAS	TX (US)
DP	WORTH			KDAL	DALLAS	TX (US)
DP	KINGDOM			KRBD	DALLAS	TX (US)
DP	TEXOMA			KRBD	DALLAS	TX (US)
DP	WORTH			KRBD	DALLAS	TX (US)
DP	KINGDOM			KTKI	DALLAS	TX (US)
DP	TEXOMA			KTKI	DALLAS	TX (US)
DP	WORTH			KTKI	DALLAS	TX (US)
DP	COYOTE			KDFW	DALLAS-FORT WORTH	TX (US)
DP	KINGDOM			KDFW	DALLAS-FORT WORTH	TX (US)
DP	TEXOMA			KDFW	DALLAS-FORT WORTH	TX (US)
DP	WORTH			KDFW	DALLAS-FORT WORTH	TX (US)
DP	KINGDOM			KDTO	DENTON	TX (US)
DP	TEXOMA			KDTO	DENTON	TX (US)
DP	WORTH			KDTO	DENTON	TX (US)
DP	KINGDOM			KAFW	FORT WORTH	TX (US)
DP	TEXOMA			KAFW	FORT WORTH	TX (US)
DP	WORTH			KAFW	FORT WORTH	TX (US)
DP	KINGDOM			KFTW	FORT WORTH	TX (US)
DP	TEXOMA			KFTW	FORT WORTH	TX (US)
DP	WORTH			KFTW	FORT WORTH	TX (US)
DP	KINGDOM			KFWS	FORT WORTH	TX (US)
DP	TEXOMA			KFWS	FORT WORTH	TX (US)
DP	WORTH			KFWS	FORT WORTH	TX (US)
DP	KINGDOM			KNFW	FORT WORTH	TX (US)
DP	TEXOMA			KNFW	FORT WORTH	TX (US)
DP	WORTH			KNFW	FORT WORTH	TX (US)
DP	KINGDOM			KGPM	GRAND PRAIRIE	TX (US)
DP	TEXOMA			KGPM	GRAND PRAIRIE	TX (US)
DP	WORTH			KGPM	GRAND PRAIRIE	TX (US)
DP	KINGDOM			KLNC	LANCASTER	TX (US)
DP	TEXOMA			KLNC	LANCASTER	TX (US)
DP	WORTH			KLNC	LANCASTER	TX (US)
DP	KINGDOM			KHQZ	MESQUITE	TX (US)

QUALITY CHECKED

DP	TEXOMA		KHQZ	MESQUITE	TX (US)
DP	WORTH		KHQZ	MESQUITE	TX (US)
EN ROUTE	Q154				(US)
EN ROUTE	V16				(US)
EN ROUTE	V161				(US)
EN ROUTE	V17				(US)
EN ROUTE	V278				(US)
EN ROUTE	V355				(US)
EN ROUTE	V63				(US)
IAP	NDB RWY 17		K0F2	BOWIE	TX (US)
IAP	NDB RWY 35		K0F2	BOWIE	TX (US)
IAP	VOR/DME RWY 18		KXBP	BRIDGEPORT	TX (US)
IAP	CONVERGING ILS RWY 13R		KDFW	DALLAS-FORT WORTH	TX (US)
IAP	ILS OR LOC RWY 13R		KDFW	DALLAS-FORT WORTH	TX (US)
IAP	VOR RWY 13R		KDFW	DALLAS-FORT WORTH	TX (US)
IAP	RNAV (GPS) RWY 17		KLUD	DECATUR	TX (US)
IAP	VOR/DME RWY 17		KLUD	DECATUR	TX (US)
IAP	ILS OR LOC RWY 18		KDTO	DENTON	TX (US)
IAP	NDB RWY 18		KDTO	DENTON	TX (US)
IAP	RNAV (GPS) RWY 18		KDTO	DENTON	TX (US)
IAP	RNAV (GPS) RWY 36		KDTO	DENTON	TX (US)
IAP	VOR/DME RWY 12		K4T2	FORT WORTH	TX (US)
IAP	ILS OR LOC RWY 16L		KAFW	FORT WORTH	TX (US)
IAP	ILS RWY 16L (CAT II)		KAFW	FORT WORTH	TX (US)
IAP	ILS RWY 16L (CAT III)		KAFW	FORT WORTH	TX (US)
IAP	RNAV (GPS) RWY 16L		KAFW	FORT WORTH	TX (US)
IAP	ILS OR LOC RWY 16		KFTW	FORT WORTH	TX (US)
IAP	RNAV (GPS) RWY 16		KFTW	FORT WORTH	TX (US)
IAP	GPS RWY 31		KMWL	MINERAL WELLS	TX (US)
STAR	MOTZA	1	KGKY	ARLINGTON	TX (US)
STAR	SASIE		KGKY	ARLINGTON	TX (US)
STAR	GREGS	1	KADS	DALLAS	TX (US)
STAR	JONEZ		KADS	DALLAS	TX (US)
STAR	BOWIE	1	KDAL	DALLAS	TX (US)
STAR	GREGS	1	KDAL	DALLAS	TX (US)
STAR	GREGS	1	KRBD	DALLAS	TX (US)
STAR	GREGS	1	KTKI	DALLAS	TX (US)
STAR	BONHAM		KDFW	DALLAS-FORT WORTH	TX (US)
STAR	BOWIE	1	KDFW	DALLAS-FORT WORTH	TX (US)
STAR	JONEZ		KDFW	DALLAS-FORT WORTH	TX (US)
STAR	MASTY		KDFW	DALLAS-FORT WORTH	TX (US)
STAR	WILBR		KDFW	DALLAS-FORT WORTH	TX (US)
STAR	GREGS	1	KDTO	DENTON	TX (US)
STAR	SASIE		KDTO	DENTON	TX (US)
STAR	MOTZA	1	KAFW	FORT WORTH	TX (US)
STAR	SASIE		KAFW	FORT WORTH	TX (US)
STAR	MOTZA	1	KFTW	FORT WORTH	TX (US)
STAR	SASIE		KFTW	FORT WORTH	TX (US)
STAR	MOTZA	1	KFWS	FORT WORTH	TX (US)
STAR	SASIE		KFWS	FORT WORTH	TX (US)
STAR	MOTZA	1	KNFW	FORT WORTH	TX (US)
STAR	SASIE		KNFW	FORT WORTH	TX (US)
STAR	MOTZA	1	KGPM	GRAND PRAIRIE	TX (US)
STAR	SASIE		KGPM	GRAND PRAIRIE	TX (US)
STAR	GREGS	1	KLNC	LANCASTER	TX (US)
STAR	GREGS	1	KHQZ	MESQUITE	TX (US)

REQUIRED CHARTING: DP, STAR, IAP, CONTROLLER, EN ROUTE LOW, EN ROUTE HIGH

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 4 **DATE OF REVISION:** 03/10/2011

REASON FOR REVISION:
UPDATED HOLDING PATTERN CONTROLLING OBSTACLE.
UPDATED FORM FORMAT.

DEVELOPED BY: **DATE:** 10/13/2010 **OFFICE:** AVN-120 **NAME:** ROY BARNETT

APPROVED BY: **DATE:** 02/07/2011 **OFFICE:** AVN-120 **NAME:** GREGORY YAMAMOTO

SIGNATURE:

DISTRIBUTION: **NFDC**
FPO: CEN
ARTCC: ZFW
ATC FACILITY: FTW
OTHER: REGIONAL APP CON

"INFO ONLY"

RADIO FIX AND HOLDING DATA RECORD

NAME: GUTHRIE VORTAC **STATE:** TX **COUNTRY:** US

LATITUDE/LONGITUDE: 334641.80N/1002010.31W **TYPE:**

AIRSPACE DOCKET: **FIX TYPE OF ACTION:** MODIFY

FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM FAC NM	DIST FROM FAC FEET	MRA	MAA
1	GUTHRIE	GTH	VORTAC	L							45000

HOLDING: **HOLDING TYPE OF ACTION:** MODIFY

PATTERNS:

PAT	DIR	IDENT	TYPE	RAD/CRS/BRG	CRS INBOUND	TURN (L OR R)	LEG LENGTH TIME	LEG LENGTH DME	HOLDING ALTITUDES MIN	HOLDING ALTITUDES MAX	TEMPLATES MIN	TEMPLATES MAX
1	N	GTH	VORTAC	353.00	173.00	L	1		3700	17500	4	16

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	200' AAO	334428.00N/1001945.00W	2250	4D

REASON FOR NONSTANDARD HOLDING:
PAT 1 TO AVOID MOUNTAINOUS TERRAIN

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	KINGDOM			KGKY	ARLINGTON	TX (US)
DP	WORTH			KGKY	ARLINGTON	TX (US)
DP	KINGDOM			KADS	DALLAS	TX (US)
DP	WORTH			KADS	DALLAS	TX (US)
DP	COYOTE			KDAL	DALLAS	TX (US)
DP	KINGDOM			KDAL	DALLAS	TX (US)
DP	LOVE			KDAL	DALLAS	TX (US)
DP	WORTH			KDAL	DALLAS	TX (US)
DP	KINGDOM			KRBD	DALLAS	TX (US)
DP	WORTH			KRBD	DALLAS	TX (US)
DP	COYOTE			KDFW	DALLAS-FORT WORTH	TX (US)
DP	KINGDOM			KDFW	DALLAS-FORT WORTH	TX (US)
DP	SLOTT (RNAV)			KDFW	DALLAS-FORT WORTH	TX (US)
DP	WORTH			KDFW	DALLAS-FORT WORTH	TX (US)
DP	KINGDOM			KDTO	DENTON	TX (US)
DP	WORTH			KDTO	DENTON	TX (US)
DP	KINGDOM			KAFW	FORT WORTH	TX (US)
DP	WORTH			KAFW	FORT WORTH	TX (US)
DP	KINGDOM			KFTW	FORT WORTH	TX (US)
DP	WORTH			KFTW	FORT WORTH	TX (US)
DP	KINGDOM			KFWS	FORT WORTH	TX (US)
DP	WORTH			KFWS	FORT WORTH	TX (US)
DP	KINGDOM			KNFW	FORT WORTH	TX (US)
DP	WORTH			KNFW	FORT WORTH	TX (US)
DP	KINGDOM			KGPM	GRAND PRAIRIE	TX (US)
DP	WORTH			KGPM	GRAND PRAIRIE	TX (US)
DP	KINGDOM			KLNC	LANCASTER	TX (US)
DP	WORTH			KLNC	LANCASTER	TX (US)
DP	KINGDOM			KTKI	MC KINNEY	TX (US)
DP	WORTH			KTKI	MC KINNEY	TX (US)
DP	KINGDOM			KHQZ	MESQUITE	TX (US)
DP	WORTH			KHQZ	MESQUITE	TX (US)
EN ROUTE	V102					TX (US)
EN ROUTE	V18					TX (US)
EN ROUTE	V278					TX (US)
IAP	NDB RWY 35			K8F3	CROSBYTON	TX (US)
IAP	RNAV (GPS) RWY 17			K8F3	CROSBYTON	TX (US)
IAP	VOR/DME RNAV RWY 1		1	K6TE6	GUTHRIE	TX (US)
IAP	VOR/DME RNAV RWY 19		1	K6TE6	GUTHRIE	TX (US)
IAP	NDB OR GPS RWY 18			K15F	HASKELL	TX (US)
IAP	VOR/DME OR GPS RWY 35			K3F6	PADUCAH	TX (US)
STAR	MOTZA			KGKY	ARLINGTON	TX (US)
STAR	GREGS			KADS	DALLAS	TX (US)
STAR	BOWIE			KDAL	DALLAS	TX (US)
STAR	GREGS			KDAL	DALLAS	TX (US)
STAR	GREGS			KRBD	DALLAS	TX (US)
STAR	GREGS			KTKI	DALLAS	TX (US)
STAR	BOWIE			KDFW	DALLAS-FORT WORTH	TX (US)
STAR	GREGS			KDTO	DENTON	TX (US)
STAR	MOTZA			KAFW	FORT WORTH	TX (US)
STAR	MOTZA			KFTW	FORT WORTH	TX (US)
STAR	MOTZA			KFWS	FORT WORTH	TX (US)
STAR	MOTZA			KNFW	FORT WORTH	TX (US)
STAR	MOTZA			KGPM	GRAND PRAIRIE	TX (US)
STAR	GREGS			KLNC	LANCASTER	TX (US)

STAR GREGS KHQZ MESQUITE TX (US)

REQUIRED CHARTING: DP, IAP, CONTROLLER, EN ROUTE LOW, EN ROUTE HIGH

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 7 **DATE OF REVISION:** 07/07/2005

REASON FOR REVISION:
UPDATE COORDINATES TO NAD 83
UPDATE FIX USE
REMOVE 175 KT HOLDING PATTERN

DEVELOPED BY: **DATE:** 03/10/2005 **OFFICE:** AVN-120 **NAME:** ERIC GREEN

APPROVED BY: **DATE:** **OFFICE:** AVN-120 **NAME:** JOHN BICKERSTAFF

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: FTW
ARTCC: ZFW, FW,
ATC FACILITY: REGIONAL
OTHER: ARPT MGRS

"INFO ONLY"

RADIO FIX AND HOLDING DATA RECORD

NAME: MOTZA **STATE:** TX **COUNTRY:** US

LATITUDE/LONGITUDE: 331558.12N/0974400.12W **TYPE:** INT, DME

AIRSPACE DOCKET: **FIX TYPE OF ACTION:** MODIFY

FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM FAC NM	DIST FROM FAC FEET	MRA	MAA
1	RANGER	FUZ	VORTAC	H	303.08	309.08	35.90	35.90		5000	17500
2	MILLSAP	MQP	VORTAC	H	013.33	022.33		34.97		5000	17500

FIX RESTRICTIONS:
SPECIAL RNAV (GPS) RWY 17, K4T2, FORT WORTH, TX

HOLDING: **HOLDING TYPE OF ACTION:** NO CHANGE

REMARKS:
FIX LIES ON NEW REGIONAL APP CON BOUNDARY LINE BETWEEN 322400/974400 & 331900/974400 AND DIRECT COURSE FROM FUZ VORTAC TO PLEBS INT

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	RNAV (GPS) RWY 17			K4T2	FORT WORTH	TX (US)
STAR	MOTZA	1, 2		KGKY	ARLINGTON	TX (US)
STAR	MOTZA	1, 2		KAFW	FORT WORTH	TX (US)
STAR	MOTZA	1, 2		KFTW	FORT WORTH	TX (US)
STAR	MOTZA	1, 2		KFWS	FORT WORTH	TX (US)
STAR	MOTZA	1, 2		KNFW	FORT WORTH	TX (US)
STAR	MOTZA	1, 2		KGPM	GRAND PRAIRIE	TX (US)

REQUIRED CHARTING: STAR, AREA, CONTROLLER, EN ROUTE LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1 **DATE OF REVISION:** 10/20/2011

REASON FOR REVISION:
FAC 1 ADDED 35.90 NM UNDER DIST FROM FAC.
FAC 2 ADDED 34.97 NM UNDER DIST FROM FAC.
FIX RESTRICTIONS: ADDED "SPECIAL RNAV (GPS) RWY 17, K4T2, FORT WORTH, TX".
UPDATE FIX USE.

DEVELOPED BY: **DATE:** 10/30/2010 **OFFICE:** AVN-120 **NAME:** DEANNA FIELDS

APPROVED BY: **DATE:** 09/19/2011 **OFFICE:** AVN-120 **NAME:** GREGORY YAMAMOTO

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: FTW
ARTCC: ZFW
ATC FACILITY: REGIONAL APP CON
OTHER:

"INFO ONLY"

RADIO FIX AND HOLDING DATA RECORD

NAME: PANHANDLE VORTAC **STATE:** TX **COUNTRY:** US

LATITUDE/LONGITUDE: 351406.23N/1014156.52W **TYPE:**

AIRSPACE DOCKET: **FIX TYPE OF ACTION:** MODIFY

FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM FAC NM	DIST FROM FAC FEET	MRA	MAA
1	PANHANDLE	PNH	VORTAC	H							45000

HOLDING: **HOLDING TYPE OF ACTION:** NO CHANGE

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
UPN	230	TOWER (48-002515)	352229.00N/1015300.00W	5049	5D

HOLDING RESTRICTIONS:
UNPLANNED HOLDING AUTHORIZED AT OR ABOVE 6100.

REMARKS:
PRECIPITOUS TERRAIN EVALUATION COMPLETED.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	WORTH			KGKY	ARLINGTON	TX (US)
DP	WORTH			KADS	DALLAS	TX (US)
DP	COYOTE			KDAL	DALLAS	TX (US)
DP	WORTH			KDAL	DALLAS	TX (US)
DP	WORTH			KRBD	DALLAS	TX (US)
DP	COYOTE			KDFW	DALLAS-FORT WORTH	TX (US)
DP	FERRA (RNAV)			KDFW	DALLAS-FORT WORTH	TX (US)
DP	WORTH			KDFW	DALLAS-FORT WORTH	TX (US)
DP	WORTH			KDTO	DENTON	TX (US)
DP	WORTH			KAFW	FORT WORTH	TX (US)
DP	WORTH			KFTW	FORT WORTH	TX (US)
DP	WORTH			KFWS	FORT WORTH	TX (US)
DP	WORTH			KNFW	FORT WORTH	TX (US)
DP	WORTH			KGPM	GRAND PRAIRIE	TX (US)
DP	WORTH			KLNC	LANCASTER	TX (US)
DP	WORTH			KTKI	MC KINNEY	TX (US)
DP	WORTH			KHQZ	MESQUITE	TX (US)
EN ROUTE	Q130					(US)
EN ROUTE	V114					(US)
EN ROUTE	V12					(US)
EN ROUTE	V12-280					(US)
EN ROUTE	V140					(US)
EN ROUTE	V280					(US)
EN ROUTE	V304					(US)
EN ROUTE	V402					(US)
EN ROUTE	V404-440					(US)
EN ROUTE	V81					(US)
IAP	ILS OR LOC RWY 4			KAMA	AMARILLO	TX (US)
IAP	LDA/DME RWY 22			KAMA	AMARILLO	TX (US)
IAP	NDB RWY 04			KAMA	AMARILLO	TX (US)
IAP	VOR RWY 22			KAMA	AMARILLO	TX (US)
IAP	VOR/DME RWY 13			KAMA	AMARILLO	TX (US)
IAP	VOR/DME RWY 22			KAMA	AMARILLO	TX (US)
IAP	VOR/DME RWY 31			KAMA	AMARILLO	TX (US)
IAP	VOR/DME-A			KAMA	AMARILLO	TX (US)
IAP	GPS RWY 35			KTDW	AMARILLO	TX (US)
IAP	NDB-A			KTDW	AMARILLO	TX (US)
IAP	RNAV (GPS) RWY 35			KBGD	BORGER	TX (US)
IAP	VOR/DME RWY 35			KBGD	BORGER	TX (US)
IAP	RNAV (GPS) RWY 2			KHRX	HEREFORD	TX (US)
IAP	RNAV (GPS) RWY 17			KT45	PANHANDLE	TX (US)
IAP	RNAV (GPS) RWY 35			KT45	PANHANDLE	TX (US)
IAP	VOR-A			KT45	PANHANDLE	TX (US)
STAR	MOTZA			KGKY	ARLINGTON	TX (US)
STAR	GREGS			KADS	DALLAS	TX (US)
STAR	BOWIE			KDAL	DALLAS	TX (US)
STAR	GREGS			KDAL	DALLAS	TX (US)
STAR	GREGS			KRBD	DALLAS	TX (US)
STAR	GREGS			KTKI	DALLAS	TX (US)
STAR	BOWIE			KDFW	DALLAS-FORT WORTH	TX (US)
STAR	GREGS			KDTO	DENTON	TX (US)
STAR	MOTZA			KAFW	FORT WORTH	TX (US)
STAR	MOTZA			KAFW	FORT WORTH	TX (US)
STAR	MOTZA			KFWS	FORT WORTH	TX (US)
STAR	MOTZA			KNFW	FORT WORTH	TX (US)
STAR	MOTZA			KGPM	GRAND PRAIRIE	TX (US)
STAR	GREGS			KLNC	LANCASTER	TX (US)

STAR GREGS KHQZ MESQUITE TX (US)

REQUIRED CHARTING: DP, STAR, MILITARY IAP, IAP, CONTROLLER, EN ROUTE LOW, EN ROUTE HIGH

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 3 **DATE OF REVISION:** 06/30/2011

REASON FOR REVISION:
UPDATED CONTROLLING OBSTACLE DATA.
FIX USE UPDATED.

DEVELOPED BY: **DATE:** 12/23/2010 **OFFICE:** AVN-120 **NAME:** JOSE ALFONSO (ERIC N SUSKI)

APPROVED BY: **DATE:** 03/28/2011 **OFFICE:** AVN-120 **NAME:** GREGORY YAMAMOTO

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: CEN
ARTCC: ZAB
ATC FACILITY: AMA APP CON
OTHER:

"INFO ONLY"

RADIO FIX AND HOLDING DATA RECORD

NAME: TEXICO VORTAC **STATE:** TX **COUNTRY:** US

LATITUDE/LONGITUDE: 342942.46N/1025022.79W **TYPE:**

AIRSPACE DOCKET: **FIX TYPE OF ACTION:** NO CHANGE

FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM FAC NM	DIST FROM FAC FEET	MRA	MAA
1	TEXICO	TXO	VORTAC	H							45000

HOLDING: **HOLDING TYPE OF ACTION:** MODIFY

PATTERNS:

PAT	DIR	IDENT	TYPE	RAD/CRS/BRG	CRS INBOUND	TURN (L OR R)	LEG LENGTH TIME	LEG LENGTH DME	HOLDING ALTITUDES MIN	HOLDING ALTITUDES MAX	TEMPLATES MIN	TEMPLATES MAX
1	NW	TXO	VORTAC	320.96	140.96	R	1		5800	14000	5	10
2	NE	TXO	VORTAC	061.00	241.00	R	1		5600	14000	5	10
3	NE		WP	061.00	241.00	R		5	5600	14000	6	11
4	NW		WP	322.96	142.96	R		5	5800	14000	6	11

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	TOWER (48-001675)	343109.00N/1025244.00W	4553	3C
2	200	TOWER (48-001675)	343109.00N/1025244.00W	4553	3C
3	200	TOWER (48-001675)	343109.00N/1025244.00W	4553	3C
4	200	TOWER (48-001675)	343109.00N/1025244.00W	4553	3C

HOLDING RESTRICTIONS:
HOLDING LIMITED TO ESTABLISHED PATTERNS.

REMARKS:
PRECIPITOUS TERRAIN EVALUATION COMPLETED.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	ALBUQUERQUE			KABQ	ALBUQUERQUE	NM (US)
DP	DOOKK (RNAV)			KABQ	ALBUQUERQUE	NM (US)
DP	JETOK (RNAV)			KABQ	ALBUQUERQUE	NM (US)
DP	MNZNO (RNAV)			KABQ	ALBUQUERQUE	NM (US)
DP	TEXICO			KCVS	CLOVIS	NM (US)
DP	WORTH			KGKY	ARLINGTON	TX (US)
DP	WORTH			KADS	DALLAS	TX (US)
DP	COYOTE			KDAL	DALLAS	TX (US)
DP	LOVE			KDAL	DALLAS	TX (US)
DP	WORTH			KDAL	DALLAS	TX (US)
DP	WORTH			KRBD	DALLAS	TX (US)
DP	CEOLA (RNAV)			KDFW	DALLAS-FORT WORTH	TX (US)
DP	COYOTE			KDFW	DALLAS-FORT WORTH	TX (US)
DP	WORTH			KDFW	DALLAS-FORT WORTH	TX (US)
DP	WORTH			KDTO	DENTON	TX (US)
DP	WORTH			KAFW	FORT WORTH	TX (US)
DP	WORTH			KFTW	FORT WORTH	TX (US)
DP	WORTH			KFWS	FORT WORTH	TX (US)
DP	WORTH			KNFW	FORT WORTH	TX (US)
DP	WORTH			KGPM	GRAND PRAIRIE	TX (US)
DP	WORTH			KLNC	LANCASTER	TX (US)
DP	WORTH			KTKI	MC KINNEY	TX (US)
DP	WORTH			KHQZ	MESQUITE	TX (US)
EN ROUTE	J26					(US)
EN ROUTE	J72					(US)
EN ROUTE	J74					(US)
EN ROUTE	V278					(US)
EN ROUTE	V280					(US)
EN ROUTE	V530					(US)
EN ROUTE	V62					TX (US)
IAP	ILS RWY 4		2	KCVN	CLOVIS	NM (US)
IAP	RNAV (GPS) RWY 22		3	KCVN	CLOVIS	NM (US)
IAP	RNAV (GPS) RWY 30		3	KCVN	CLOVIS	NM (US)
IAP	VOR RWY 22		2	KCVN	CLOVIS	NM (US)
IAP	HI-ILS OR LOC RWY 21			KROW	ROSWELL	NM (US)
IAP	NDB OR GPS RWY 1			KLIU	LITTLEFIELD	TX (US)
IAP	RNAV (GPS)-B		4	K2T1	MULESHOE	TX (US)
IAP	VOR/DME-A		1	K2T1	MULESHOE	TX (US)
STAR	MIERA			KABQ	ALBUQUERQUE	NM (US)
STAR	MOTZA			KGKY	ARLINGTON	TX (US)
STAR	GREGS			KADS	DALLAS	TX (US)
STAR	BOWIE			KDAL	DALLAS	TX (US)
STAR	GREGS			KDAL	DALLAS	TX (US)
STAR	GREGS			KRBD	DALLAS	TX (US)
STAR	GREGS			KTKI	DALLAS	TX (US)
STAR	BOWIE			KDFW	DALLAS-FORT WORTH	TX (US)

STAR	GREGS	KDTO	DENTON	TX (US)
STAR	MOTZA	KAFW	FORT WORTH	TX (US)
STAR	MOTZA	KFTW	FORT WORTH	TX (US)
STAR	MOTZA	KFWS	FORT WORTH	TX (US)
STAR	MOTZA	KNFW	FORT WORTH	TX (US)
STAR	MOTZA	KGPM	GRAND PRAIRIE	TX (US)
STAR	GREGS	KLNC	LANCASTER	TX (US)
STAR	GREGS	KHQZ	MESQUITE	TX (US)

REQUIRED CHARTING: DP, STAR, MILITARY IAP, IAP, CONTROLLER, EN ROUTE LOW, EN ROUTE HIGH

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 9 **DATE OF REVISION:** 03/10/2011

REASON FOR REVISION:
1. UPDATED PAT 3 DME LEG LENGTH FROM 4 TO 5.
2. UPDATED PAT 4 DME LEG LENGTH FROM 4 TO 5.
3. UPDATED PAT 1 CONTROLLING OBSTACLE.
4. UPDATED PAT 2 CONTROLLING OBSTACLE.
5. UPDATED PAT 3 CONTROLLING OBSTACLE CODE.
6. UPDATED PAT 4 CONTROLLING OBSTACLE.
7. ADDED PRECIPITOUS TERRAIN EVALUATION NOTE.
8. ADDED REMARK FOR LIMITED HOLDING.
9. UPDATED FIX USE.

DEVELOPED BY: **DATE:** 08/12/2010 **OFFICE:** AVN-120 **NAME:** JOSE ALFONSO (STEPHEN PETERSON)

APPROVED BY: **DATE:** 11/30/2010 **OFFICE:** AVN-120 **NAME:** GREGORY YAMAMOTO

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: CEN
ARTCC: ZAB
ATC FACILITY: CVS APP CON
OTHER:

"INFO ONLY"

RADIO FIX AND HOLDING DATA RECORD

NAME: WICHITA FALLS VORTAC **STATE:** TX **COUNTRY:** US

LATITUDE/LONGITUDE: 335914.23N/0983536.50W **TYPE:**

AIRSPACE DOCKET: **FIX TYPE OF ACTION:** NO CHANGE

FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM FAC NM	DIST FROM FAC FEET	MRA	MAA
1	WICHITA FALLS	SPS	VORTAC	H							45000

FIX RESTRICTIONS:
MCA V77 3000 SOUTHWEST BOUND

HOLDING: **HOLDING TYPE OF ACTION:** MODIFY

PATTERNS:

PAT	DIR	IDENT	TYPE	RAD/CRS/BRG	CRS INBOUND	TURN (L OR R)	LEG LENGTH TIME	LEG LENGTH DME	HOLDING ALTITUDES MIN	HOLDING ALTITUDES MAX	TEMPLATES MIN	TEMPLATES MAX
1	N	SPS	VORTAC	348.00	168.00	L	1-1 1/2		5000	37000	7	26
2	W	SPS	VORTAC	261.00	081.00	L	1-1 1/2		3000	23000	6	19
3	N	SPS	VORTAC	356.00	176.00	R	1		2800	10000	4	9

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	230	TOWER (48-000167)	335324.00N/0983331.00W	2051	3C
2	230	TOWER (48-021171)	340254.01N/0983938.20W	1715	4D
3	200	TOWER (48-021171)	340254.01N/0983938.20W	1715	4D

REASON FOR NONSTANDARD HOLDING:
PAT 1 ATC REQUEST.
PAT 2 ATC REQUEST.

HOLDING RESTRICTIONS:
HOLDING LIMITED TO ESTABLISHED PATTERNS.

REMARKS:
PRECIPITOUS TERRAIN EVALUATION COMPLETED.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	KINGDOM			KGKY	ARLINGTON	TX (US)
DP	WORTH			KGKY	ARLINGTON	TX (US)
DP	KINGDOM			KADS	DALLAS	TX (US)
DP	WORTH			KADS	DALLAS	TX (US)
DP	COYOTE			KDAL	DALLAS	TX (US)
DP	KINGDOM			KDAL	DALLAS	TX (US)
DP	LOVE			KDAL	DALLAS	TX (US)
DP	WORTH			KDAL	DALLAS	TX (US)
DP	KINGDOM			KRBD	DALLAS	TX (US)
DP	WORTH			KRBD	DALLAS	TX (US)
DP	COYOTE			KDFW	DALLAS-FORT WORTH	TX (US)
DP	KINGDOM			KDFW	DALLAS-FORT WORTH	TX (US)
DP	WORTH			KDFW	DALLAS-FORT WORTH	TX (US)
DP	KINGDOM			KDTO	DENTON	TX (US)
DP	WORTH			KDTO	DENTON	TX (US)
DP	KINGDOM			KAFW	FORT WORTH	TX (US)
DP	WORTH			KAFW	FORT WORTH	TX (US)
DP	KINGDOM			KFTW	FORT WORTH	TX (US)
DP	WORTH			KFTW	FORT WORTH	TX (US)
DP	KINGDOM			KFWS	FORT WORTH	TX (US)
DP	WORTH			KFWS	FORT WORTH	TX (US)
DP	KINGDOM			KNFW	FORT WORTH	TX (US)
DP	WORTH			KNFW	FORT WORTH	TX (US)
DP	KINGDOM			KGPM	GRAND PRAIRIE	TX (US)
DP	WORTH			KGPM	GRAND PRAIRIE	TX (US)
DP	KINGDOM			KLNC	LANCASTER	TX (US)
DP	WORTH			KLNC	LANCASTER	TX (US)
DP	KINGDOM			KTKI	MC KINNEY	TX (US)
DP	WORTH			KTKI	MC KINNEY	TX (US)
DP	KINGDOM			KHQZ	MESQUITE	TX (US)
DP	WORTH			KHQZ	MESQUITE	TX (US)
DP	MIDLAND			KMAF	MIDLAND	TX (US)
EN ROUTE	J166			KDFW	DALLAS-FORT WORTH	TX (US)
EN ROUTE	J168			KDFW	DALLAS-FORT WORTH	TX (US)
EN ROUTE	J58			KDFW	DALLAS-FORT WORTH	TX (US)
EN ROUTE	J72			KDFW	DALLAS-FORT WORTH	TX (US)
EN ROUTE	J76			KDFW	DALLAS-FORT WORTH	TX (US)
EN ROUTE	V102			KDFW	DALLAS-FORT WORTH	TX (US)
EN ROUTE	V114			KDFW	DALLAS-FORT WORTH	TX (US)
EN ROUTE	V355			KDFW	DALLAS-FORT WORTH	TX (US)

EN ROUTE	V404		KDFW	DALLAS-FORT WORTH	TX (US)
EN ROUTE	V568		KDFW	DALLAS-FORT WORTH	TX (US)
EN ROUTE	V77		KDFW	DALLAS-FORT WORTH	TX (US)
IAP	LOC RWY 35		KDUC	DUNCAN	OK (US)
IAP	RNAV (GPS) RWY 35		KFDR	FREDERICK	OK (US)
IAP	GPS RWY 35		KLAW	LAWTON	OK (US)
IAP	ILS OR LOC RWY 35		KLAW	LAWTON	OK (US)
IAP	VOR RWY 35		KLAW	LAWTON	OK (US)
IAP	NDB RWY 17		K0F2	BOWIE	TX (US)
IAP	NDB RWY 35		K0F2	BOWIE	TX (US)
IAP	NDB RWY 35		KCWC	WICHITA FALLS	TX (US)
IAP	VOR-B	3	KF14	WICHITA FALLS	TX (US)
IAP	VOR/DME-C		KF14	WICHITA FALLS	TX (US)
IAP	ILS OR LOC/DME RWY 33L		KSPS	WICHITA FALLS	TX (US)
IAP	NDB RWY 33L		KSPS	WICHITA FALLS	TX (US)
IAP	VOR-D	2	KSPS	WICHITA FALLS	TX (US)
IAP	VOR/DME-E		KSPS	WICHITA FALLS	TX (US)
STAR	MOTZA	1	KGKY	ARLINGTON	TX (US)
STAR	GREGS	1	KADS	DALLAS	TX (US)
STAR	BOWIE	1	KDAL	DALLAS	TX (US)
STAR	GREGS	1	KDAL	DALLAS	TX (US)
STAR	GREGS	1	KRBD	DALLAS	TX (US)
STAR	GREGS	1	KTKI	DALLAS	TX (US)
STAR	BOWIE	1	KDFW	DALLAS-FORT WORTH	TX (US)
STAR	MASTY	1	KDFW	DALLAS-FORT WORTH	TX (US)
STAR	GREGS	1	KDTO	DENTON	TX (US)
STAR	MOTZA	1	KAFW	FORT WORTH	TX (US)
STAR	MOTZA	1	KFTW	FORT WORTH	TX (US)
STAR	MOTZA	1	KFWS	FORT WORTH	TX (US)
STAR	MOTZA	1	KNFW	FORT WORTH	TX (US)
STAR	MOTZA	1	KGPM	GRAND PRAIRIE	TX (US)
STAR	GREGS	1	KLNC	LANCASTER	TX (US)
STAR	GREGS	1	KHQZ	MESQUITE	TX (US)

REQUIRED CHARTING: DP, STAR, MILITARY IAP, IAP, CONTROLLER, EN ROUTE LOW, EN ROUTE HIGH

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 10 **DATE OF REVISION:** 09/23/2010

REASON FOR REVISION:
UPDATED FACILITY FROM HISTORY TO ACTIVE STATUS.
UPDATED ALL HOLDING OBSTACLE DATA.
ADDED PRECIPITOUS TERRAIN STATEMENT.
UPDATED FIX USE.

DEVELOPED BY: **DATE:** 04/01/2010 **OFFICE:** AVN-120 **NAME:** JON DENTON

APPROVED BY: **DATE:** 07/21/2010 **OFFICE:** AVN-120 **NAME:** SUE CRUMB

SIGNATURE:

DISTRIBUTION: **NFDC**
FPO: CEN
ARTCC: ZFW
ATC FACILITY: SPS APP CON, SPS ATCT
OTHER:

"INFO ONLY"

RADIO FIX AND HOLDING DATA RECORD

NAME: WILL ROGERS VORTAC **STATE:** OK **COUNTRY:** US

LATITUDE/LONGITUDE: 352130.95N/0973633.22W **TYPE:**

AIRSPACE DOCKET: **FIX TYPE OF ACTION:** NO CHANGE

FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM FAC NM	DIST FROM FAC FEET	MRA	MAA
1	WILL ROGERS	IRW	VORTAC	H							45000

HOLDING: **HOLDING TYPE OF ACTION:** NO CHANGE

PATTERNS:

PAT	DIR	IDENT	TYPE	RAD/CRS/BRG	CRS INBOUND	TURN (L OR R)	LEG LENGTH TIME	LEG LENGTH DME	HOLDING ALTITUDES MIN	HOLDING ALTITUDES MAX	TEMPLATES MIN	TEMPLATES MAX
1	SE	IRW	VORTAC	119.84	299.84	R	1		3000	6000	4	5

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	TOWER (40-000794)	352210.08N/0972739.86W	1953	4D

HOLDING RESTRICTIONS:
HOLDING LIMITED TO ESTABLISHED PATTERN

REMARKS:
PRECIPITOUS TERRAIN EVALUATION COMPLETED.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	BENTON			KVBT	BENTONVILLE	AR (US)
DP	RAZORBACK			KFYV	FAYETTEVILLE	AR (US)
DP	HIGHFILL			KXNA	FAYETTEVILLE/SPRINGDALE/ROGERS	AR (US)
DP	ROGERS			KROG	ROGERS	AR (US)
DP	SPRING			KASG	SPRINGDALE	AR (US)
DP	TULSA			KRVS	TULSA	OK (US)
DP	TULSA			KTUL	TULSA	OK (US)
DP	TEXOMA			KGKY	ARLINGTON	TX (US)
DP	TEXOMA			KADS	DALLAS	TX (US)
DP	KRUMM			KDAL	DALLAS	TX (US)
DP	TEXOMA			KDAL	DALLAS	TX (US)
DP	TEXOMA			KRBD	DALLAS	TX (US)
DP	BLECO			KDFW	DALLAS-FORT WORTH	TX (US)
DP	JACKY			KDFW	DALLAS-FORT WORTH	TX (US)
DP	TEXOMA			KDFW	DALLAS-FORT WORTH	TX (US)
DP	TEXOMA			KDTO	DENTON	TX (US)
DP	TEXOMA			KAFW	FORT WORTH	TX (US)
DP	TEXOMA			KFTW	FORT WORTH	TX (US)
DP	TEXOMA			KFWS	FORT WORTH	TX (US)
DP	TEXOMA			KNFW	FORT WORTH	TX (US)
DP	TEXOMA			KGPM	GRAND PRAIRIE	TX (US)
DP	TEXOMA			KLNC	LANCASTER	TX (US)
DP	TEXOMA			KTKI	MC KINNEY	TX (US)
DP	TEXOMA			KHQZ	MESQUITE	TX (US)
EN ROUTE	J14					(US)
EN ROUTE	J20					(US)
EN ROUTE	J21					(US)
EN ROUTE	J23					(US)
EN ROUTE	J6					(US)
EN ROUTE	J74					(US)
EN ROUTE	J78					(US)
EN ROUTE	J98					(US)
EN ROUTE	V14					(US)
EN ROUTE	V17					(US)
EN ROUTE	V210					(US)
EN ROUTE	V272					(US)
EN ROUTE	V354					(US)
EN ROUTE	V436					(US)
EN ROUTE	V440					(US)
EN ROUTE	V507					(US)
EN ROUTE	V573					(US)
EN ROUTE	V77					(US)
IAP	VOR/DME-A			KCHK	CHICKASHA	OK (US)
IAP	RNAV (GPS) RWY 17			KRQO	EL RENO	OK (US)
IAP	RNAV (GPS) RWY 35			KRQO	EL RENO	OK (US)
IAP	VOR/DME RWY 35			KRQO	EL RENO	OK (US)
IAP	ILS OR LOC RWY 35			KWDG	ENID	OK (US)
IAP	VOR RWY 17			KWDG	ENID	OK (US)
IAP	VOR RWY 35			KWDG	ENID	OK (US)
IAP	GULLI			K1K4	GOLDSBY	OK (US)
IAP	VOR/DME RWY 31			K1K4	GOLDSBY	OK (US)
IAP	ILS OR LOC RWY 17			KOUN	NORMAN	OK (US)

IAP	LOC RWY 03		KOUN	NORMAN	OK (US)
IAP	NDB RWY 03		KOUN	NORMAN	OK (US)
IAP	NDB RWY 35		KOUN	NORMAN	OK (US)
IAP	LOC RWY 17		KHSD	OKLAHOMA CITY	OK (US)
IAP	VOR RWY 17		KHSD	OKLAHOMA CITY	OK (US)
IAP	ILS OR LOC RWY 17L		KOKC	OKLAHOMA CITY	OK (US)
IAP	ILS OR LOC RWY 17R		KOKC	OKLAHOMA CITY	OK (US)
IAP	ILS OR LOC RWY 35R		KOKC	OKLAHOMA CITY	OK (US)
IAP	ILS OR LOC/DME RWY 35L		KOKC	OKLAHOMA CITY	OK (US)
IAP	ILS RWY 35R (CAT II)		KOKC	OKLAHOMA CITY	OK (US)
IAP	VOR RWY 17L		KOKC	OKLAHOMA CITY	OK (US)
IAP	ILS OR LOC RWY 17L		KPWA	OKLAHOMA CITY	OK (US)
IAP	ILS OR LOC RWY 35R		KPWA	OKLAHOMA CITY	OK (US)
IAP	RNAV (GPS) RWY 35R		KPWA	OKLAHOMA CITY	OK (US)
IAP	VOR RWY 17L		KPWA	OKLAHOMA CITY	OK (US)
IAP	VOR RWY 35R		KPWA	OKLAHOMA CITY	OK (US)
IAP	VOR-A		KPWA	OKLAHOMA CITY	OK (US)
IAP	VOR-B	1	KRCE	OKLAHOMA CITY	OK (US)
IAP	ILS OR LOC RWY 17		KSNL	SHAWNEE	OK (US)
STAR	GULLI		KCHK	CHICKASHA	OK (US)
STAR	GULLI		KRQO	EL RENO	OK (US)
STAR	GULLI		KGOK	GUTHRIE	OK (US)
STAR	GULLI		KOUN	NORMAN	OK (US)
STAR	GULLI		KHSD	OKLAHOMA CITY	OK (US)
STAR	GULLI		KOKC	OKLAHOMA CITY	OK (US)
STAR	GULLI		KPWA	OKLAHOMA CITY	OK (US)
STAR	GULLI		KRCE	OKLAHOMA CITY	OK (US)
STAR	GULLI		KTIK	OKLAHOMA CITY	OK (US)
STAR	GULLI		KSNL	SHAWNEE	OK (US)
STAR	MOTZA		KGKY	ARLINGTON	TX (US)
STAR	FINGR		KADS	DALLAS	TX (US)
STAR	GREGS		KADS	DALLAS	TX (US)
STAR	BOWIE		KDAL	DALLAS	TX (US)
STAR	FINGR		KDAL	DALLAS	TX (US)
STAR	GREGS		KDAL	DALLAS	TX (US)
STAR	FINGR		KRBD	DALLAS	TX (US)
STAR	GREGS		KRBD	DALLAS	TX (US)
STAR	GREGS		KTKI	DALLAS	TX (US)
STAR	BOWIE		KDFW	DALLAS-FORT WORTH	TX (US)
STAR	MASTY		KDFW	DALLAS-FORT WORTH	TX (US)
STAR	GREGS		KDTO	DENTON	TX (US)
STAR	MOTZA		KAFW	FORT WORTH	TX (US)
STAR	MOTZA		KFTW	FORT WORTH	TX (US)
STAR	MOTZA		KFWS	FORT WORTH	TX (US)
STAR	MOTZA		KNFW	FORT WORTH	TX (US)
STAR	MOTZA		KGPM	GRAND PRAIRIE	TX (US)
STAR	FINGR		KLNC	LANCASTER	TX (US)
STAR	GREGS		KLNC	LANCASTER	TX (US)
STAR	FINGR		KHQZ	MESQUITE	TX (US)
STAR	GREGS		KHQZ	MESQUITE	TX (US)

REQUIRED CHARTING: IAP, CONTROLLER, EN ROUTE LOW, EN ROUTE HIGH

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1 **DATE OF REVISION:** 08/25/2011

REASON FOR REVISION:
ADDED ENROUTE HIGH TO REQUIRED CHARTING.
UPDATED FIX USE.

DEVELOPED BY: **DATE:** 03/18/2011 **OFFICE:** AVN-120 **NAME:** SCOTT CORY

APPROVED BY: **DATE:** 07/11/2011 **OFFICE:** AVN-120 **NAME:** GREGORY YAMAMOTO

SIGNATURE:

DISTRIBUTION: **NFDC**
FPO: CEN
ARTCC: ZFW
ATC FACILITY: OKC APP CON, OKC ATCT
OTHER: