Flight Procedure Tracking Form	Action: FLIGHT CHECK	Task Type: STAR	Date Open: 08/24/2009	Task #: 2009082421495701001	Request #: 20090824214957
Procedure: STAR HUUTY (RNAV) ONE PHOENIX AZ KPHX		**Airport ID:** KIWA	**Airport:** PHOENIX-MESA GATEWAY		**Reimbursable #:**
City: PHOENIX	**ST:** AZ	**GPS #:**		**Estimated Chart Date:** 05/31/2012	**FICO #:**
Fac ID:	**Fac. Type:** ProcTC	**Specialist:** DAVID DOWLING			

Procedure Review

	Rec'd	Rel'd	Full Name	Comments
Lead:	10/12/2011	02/10/2012	STEVEN SZUKALA	
QA:	02/10/2012	02/10/2012	STEVEN SZUKALA	
Liaison:	02/10/2012		Terrell	

Procedure Comments:

Remark Type: INFORMATION

pics 1 of 1

PHOENIX, AZ PHOENIX-MESA GATEWAY (KIWA) HUUTY ONE (RNAV) (STAR) ENROUTE-NO FC: 4.17.12 PUB: 5.31.12

ATTACHED FORMS: 7100-4; 7100-3; 8260-2(S): AEJAY, ORIG; BAYTA-INT, REV 2; CARZO, ORIG; CHEKR-INT, REV 1; CNYON, ORIG; NUUTY, ORIG; KENRY, ORIG; MICHY, ORIG; PRRES, ORIG; ROSEE, ORIG; TYLIK, ORIG; TYYNE, ORIG; WILLIE (IWA) VTAC, REV 8; WINSOLW (INW) VTAC, REV 13; ZUNI (ZUN) VTAC, REV 10.

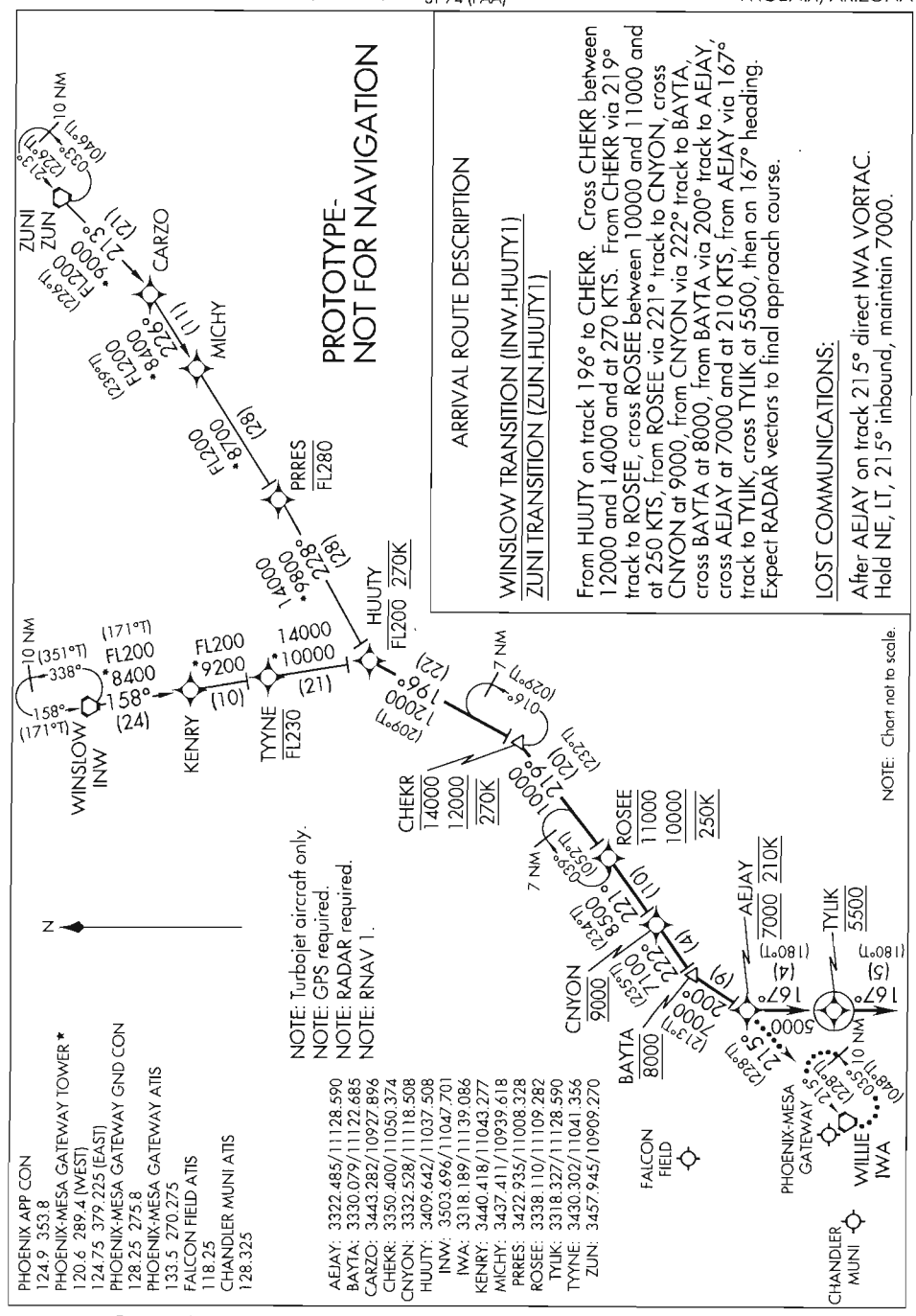
CONTACT: ADOLFO URRUTIA, AJV-354 LEAD, 405.954.2079:

(HUUTY.HUUTY1) FIG

HUUTY ONE ARRIVAL (RNAV)

ST-74 (FAA)

PHOENIX, ARIZONA



HUUTY ONE ARRIVAL (RNAV)

PHOENIX, ARIZONA

(HUUTY.HUUTY1) FIG

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
WINSLOW	INW.HUUTY1	INW	***KENRY***	158.08/23.52	20000	8400		
			TYYNE	158.07/10.22	20000	9200		AT/BELOW FL230
			HUUTY	158.20/20.87	14000	10000		AT/BELOW FL200
ZUNI	ZUN.HUUTY1	ZUN	***CARZO***	213.41/21.20	20000	9000		
			MICHY	225.83/11.31	20000	8400		
			PRRES	225.79/27.78	20000	8700		AT/BELOW FL280
			HUUTY	228.38/27.58	14000	9800		AT/BELOW FL200

(2) Arrival Route Description: From HUUTY on track 196.17/21.99 to CHEKR (MEA 12000). Cross CHEKR between 12000 and 14000 and at 270KTS From CHEKR via 219.21/19.98 NM track to ROSEE (MEA 10000), cross ROSEE between 10000 and 11000 and at 250KTS, from ROSEE via 221.18/9.51 NM track to CNYON (MEA 8500), cross CNYON at 9000, from CNYON via 222.03/4.26NM track to BAYTA (MEA 7100), cross BAYTA at 8000, from BAYTA via 200.12/9.05 NM track to AEJAY (MEA 7000), cross AEJAY at 7000 and at 210KTS, from AEJAY via 167.00/4.15 NM track to TYLIK (MEA 5000), cross TYLIK at 5500, then on 167.00 heading. Expect radar vectors to final approach course.

(3) Procedural Data Notes: NOTE: Turbojet aircraft only. GPS required
NOTE: RADAR required.
NOTE: RNAV 1

INW TRANSITION: Cross TYYNE at or below FL230.
ZUN TRANSITION: Cross PRRES at or below FL280.
ALL TRANSITIONS: Cross HUUTY at or below FL200 and at 270KTS, Cross CHEKR at/below 14000 and at/above 12000, at 270KTS;
CONTINUED IN BLOCK 16...

(4) Fixes and/or Holding Patterns: CHART: Holding at ZUN VORTAC (HOLD NE, LT, 213.41 inbound, 10NM); Holding at INW VORTAC (HOLD NE, LT, 158.07 inbound, 10NM legs); Holding at CHEKR (HOLD N, LT, 196.16 inbound, 7NM); Holding at ROSEE (HOLD NE, RT, 219.21 inbound, 7NM); Holding at IWA VORTAC (HOLD NE, LT, 215.20 inbound, 10NM). CONTINUED IN BLOCK 16...

(5) Communications: PHOENIX APP CON 124.9/353.8, PHOENIX-MESA GATEWAY TOWER 120.6, 289.4 (West) 124.75, 379.225 (East), PHOENIX-MESA GATEWAY GND CON 128.25/275.8, PHOENIX-MESA GATEWAY ATIS 133.5/270.275, FALCON FIELD ATIS 118.25, CHANDLER MUNI ATIS 128.325

QUALITY 1 CHECKED

(6) Arrival Name	(7) Number	(8) STAR Computer Code	(9) Superseded Nr.	(10) Dated	(11) Effective Date
HUUTY RNAV	ONE	HUUTY.HUUTY1	None		

(12) Airports Served

Airport Name Phoenix-Mesa Gateway	**City/State** Phoenix, AZ
Airport Name Falcon Field	**City/State** Mesa, AZ
Airport Name Chandler Municipal	**City/State** Chandler, AZ
Airport Name	**City/State**
Airport Name	**City/State**
Airport Name	**City/State**

(13) Lost Communications Procedure: AFTER AEJAY on track 215.20 direct IWA VORTAC. Hold NE, LT, 215.20 inbound, maintain 7000.

(14) Remarks:

(15) Additional Flight Data: REFERENCE MAGNETIC VARIATION = KIWA 13E/1980

QUALITY CHECKED

(6) Arrival Name	(7) Number	(8) STAR Computer Code	(9) Superseded Nr.	(10) Dated	(11) Effective Date
HUUTY RNAV	ONE	HUUTY.HUUTY1	None		

(16) Continuation:

BLOCK (3) Procedural data notes (continued):
CHART: Cross ROSEE at/below 11000 and at/above 10000, at 250 KTS; Cross CNYON at 9000; Cross AEJAY at 7000, at 210 KTS; Cross TYLIK at 5500.
BLOCK (4) Fixes (continued):
CHART: PXR VORTAC,

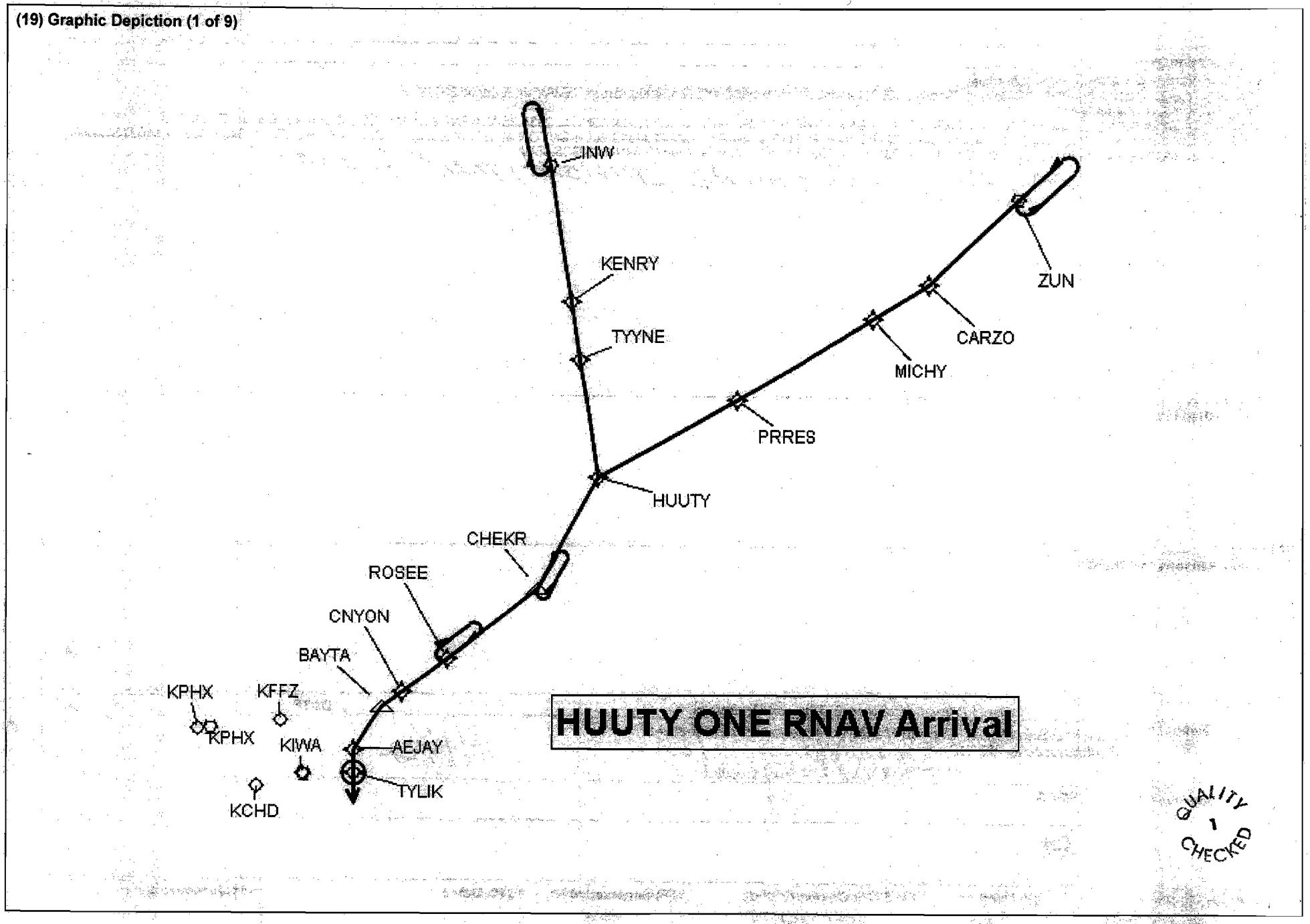
(17) Changes:

(18) Reasons for Changes:

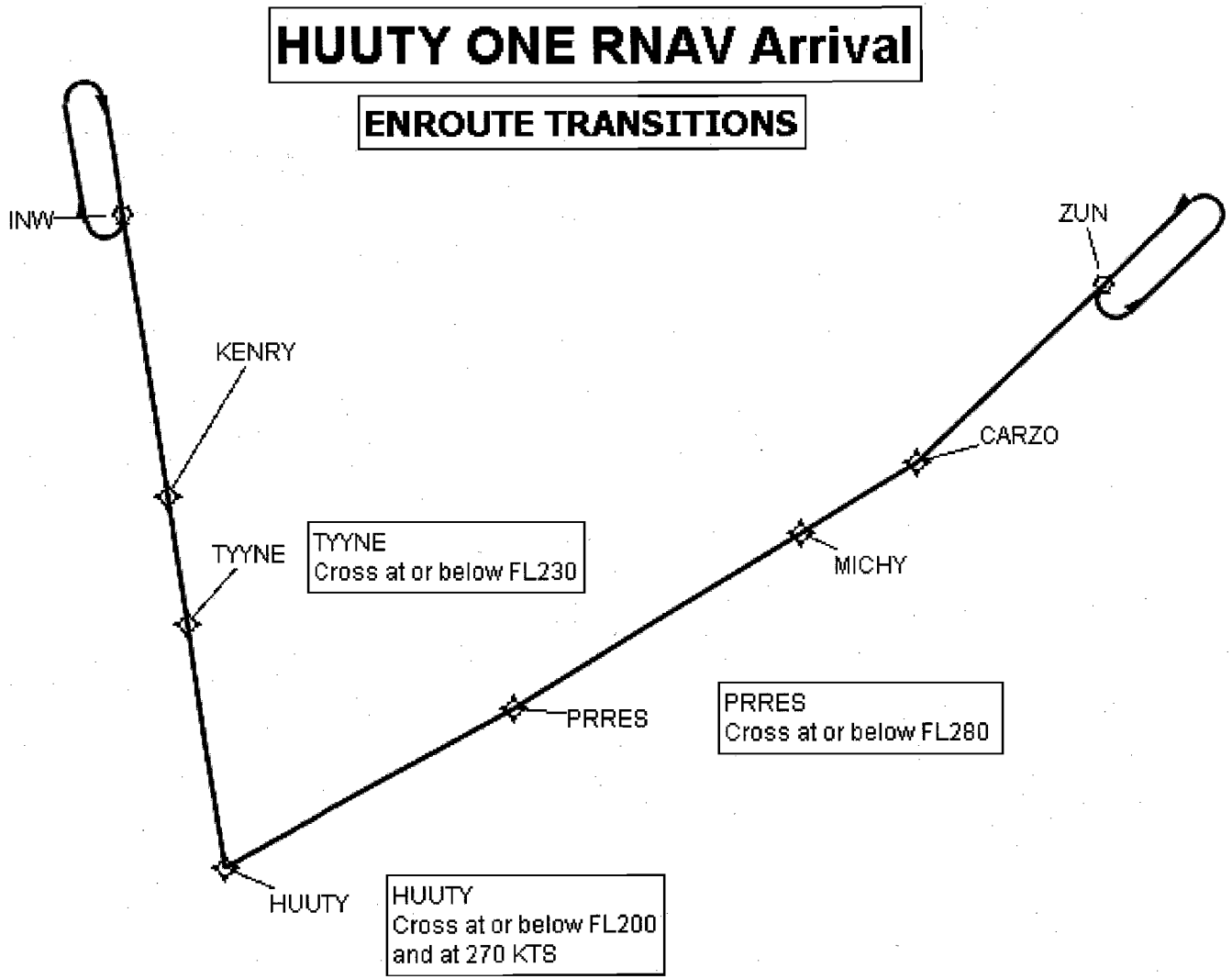
Developed By	**Name (Typed and Signed), Title and Organization**		**DATE**
	Leonie San Miguel, Support Manager, Airspace and Procedures, Albuquerque ARTCC		1/18/12
Approved	**NFPG**		
	Reg. ATD		

(6) Arrival Name	(7) Number	(8) STAR Computer Code	(9) Superseded Nr.	(10) Dated	(11) Effective Date
HUUTY RNAV	ONE	HUUTY HUUTY1	None		

(19) Graphic Depiction (1 of 9)



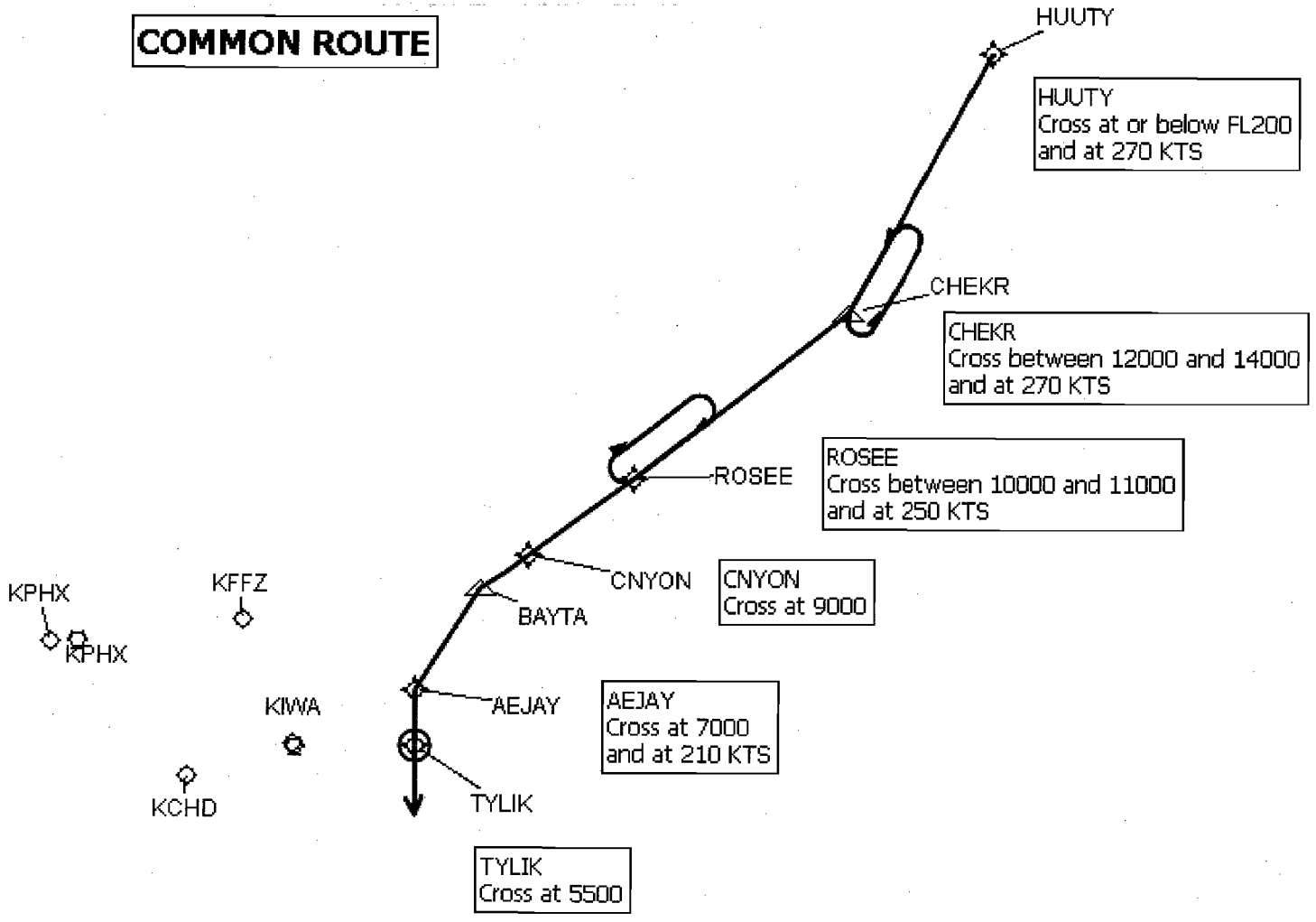
(19) Graphic Depiction (2 of 9)



(19) Graphic Depiction (3 of 9)

HUUTY ONE RNAV Arrival

COMMON ROUTE

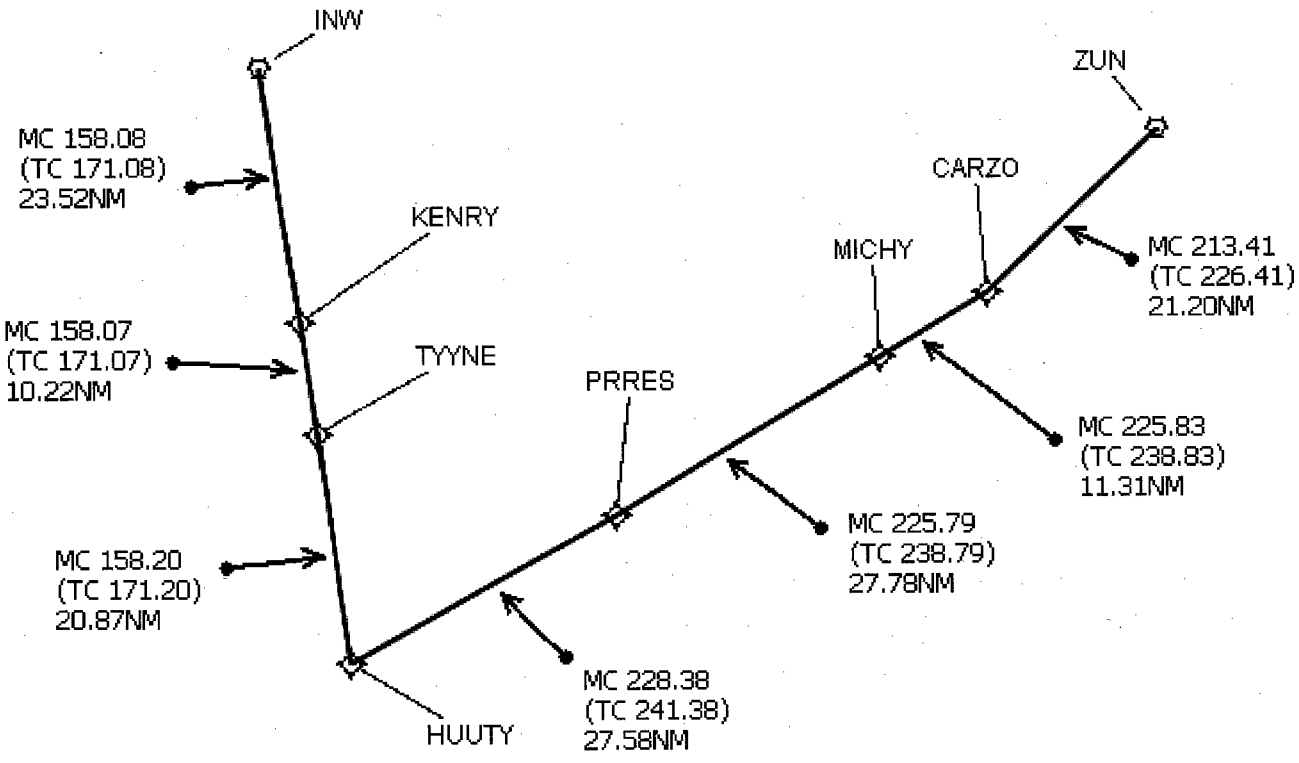


QUALITY CHECKED

(19) Graphic Depiction (4 of 9)

HUUTY ONE RNAV Arrival

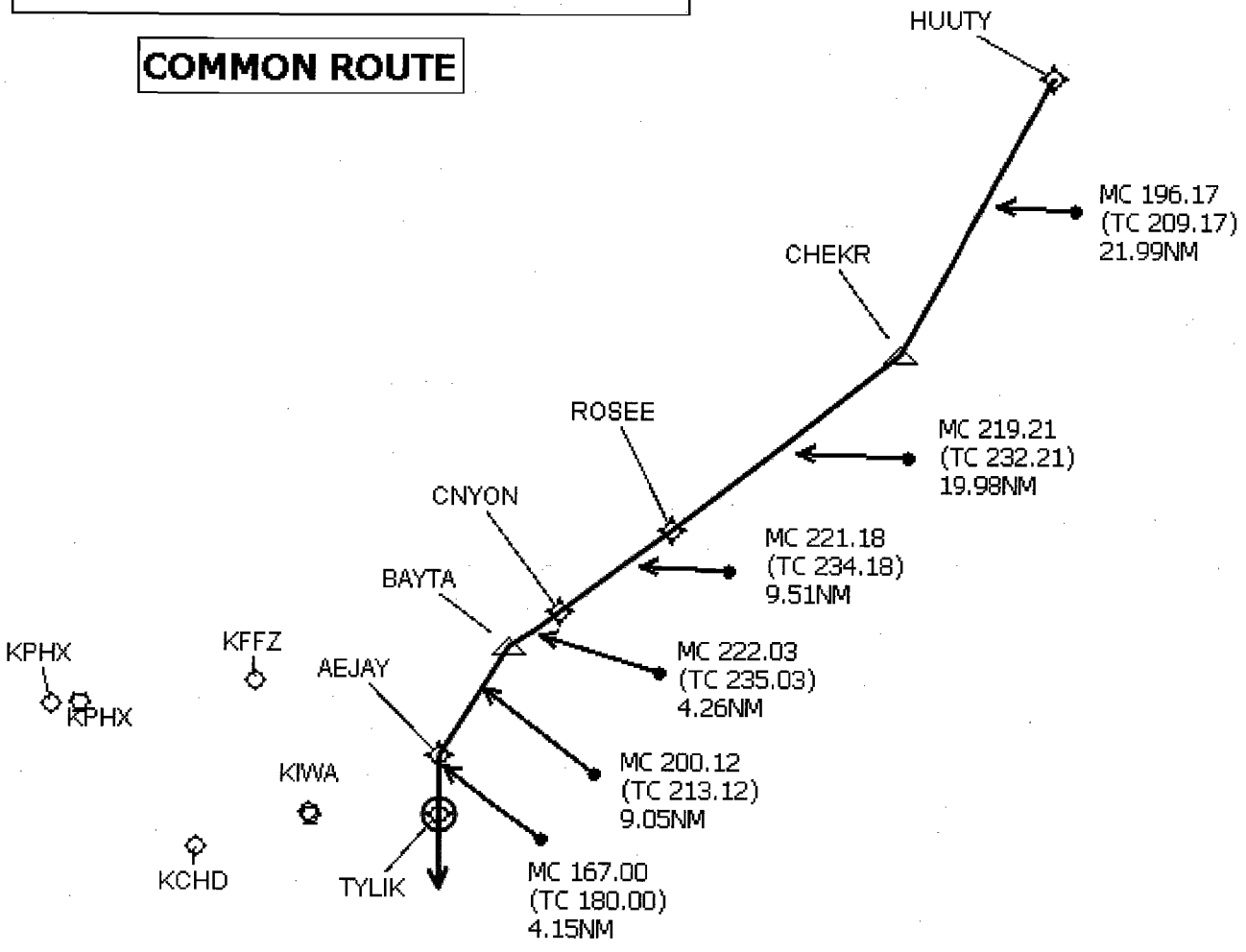
ENROUTE TRANSITIONS



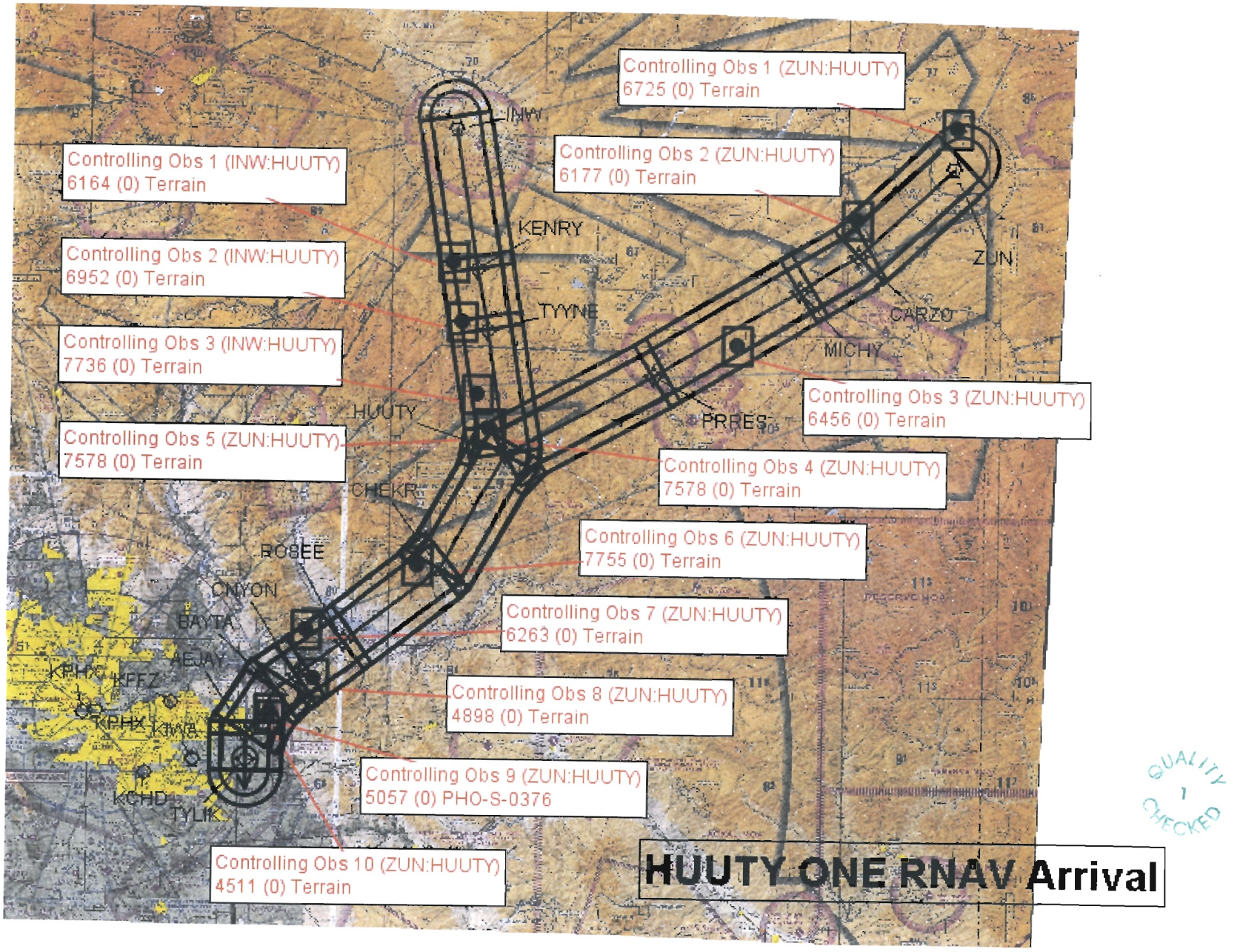
(19) Graphic Depiction (5 of 9)

HUUTY ONE RNAV Arrival

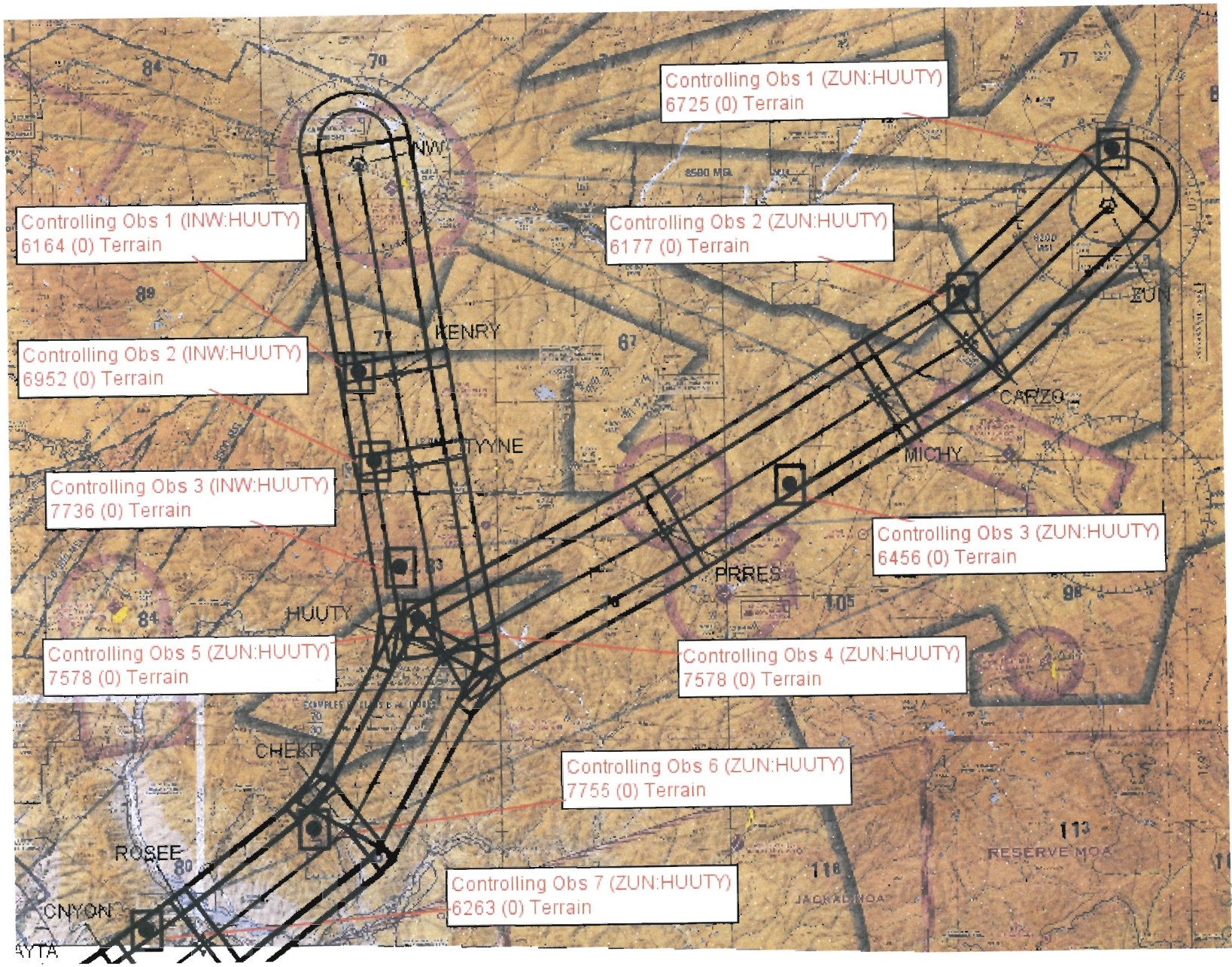
COMMON ROUTE



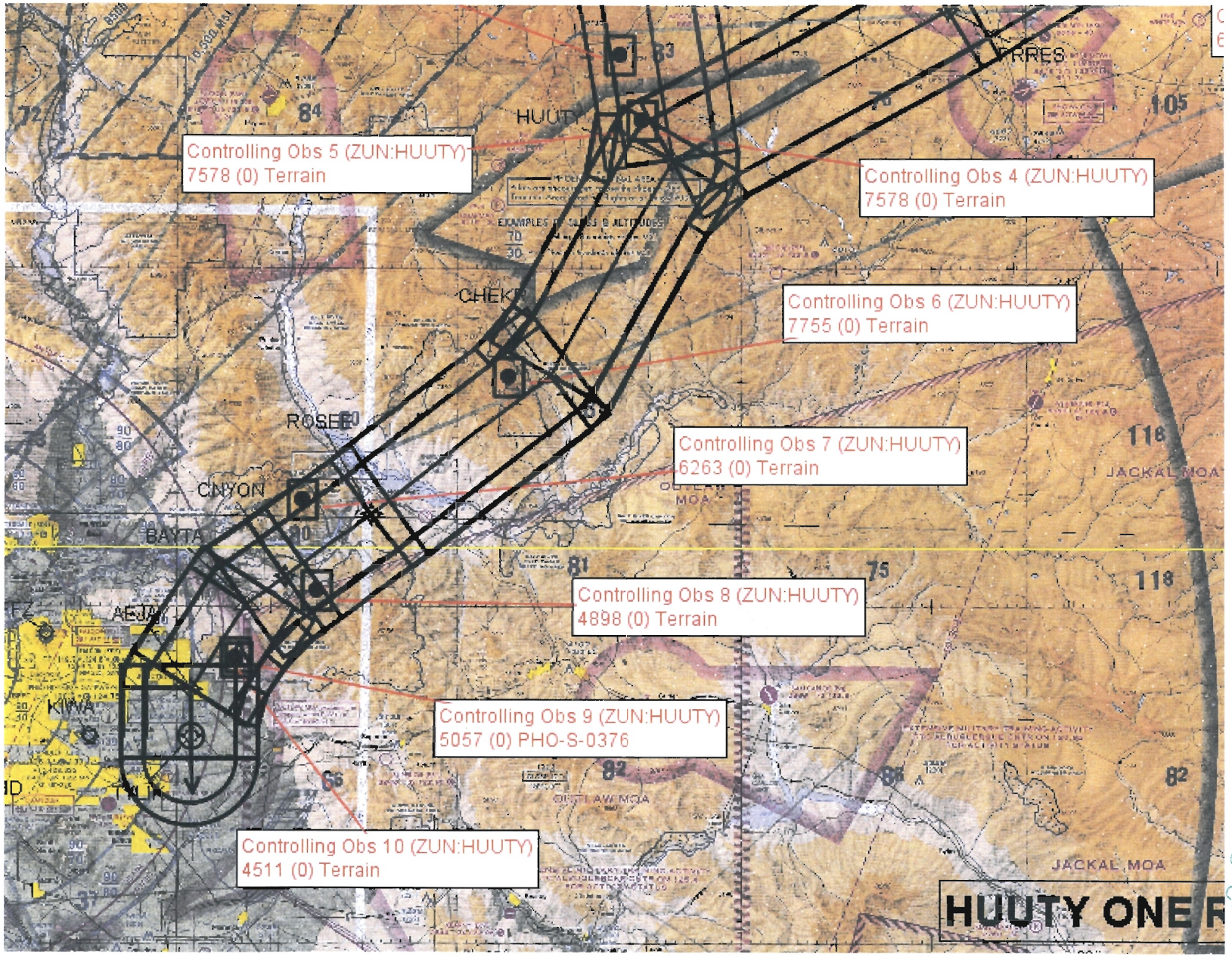
(19) Graphic Depiction (6 of 9)



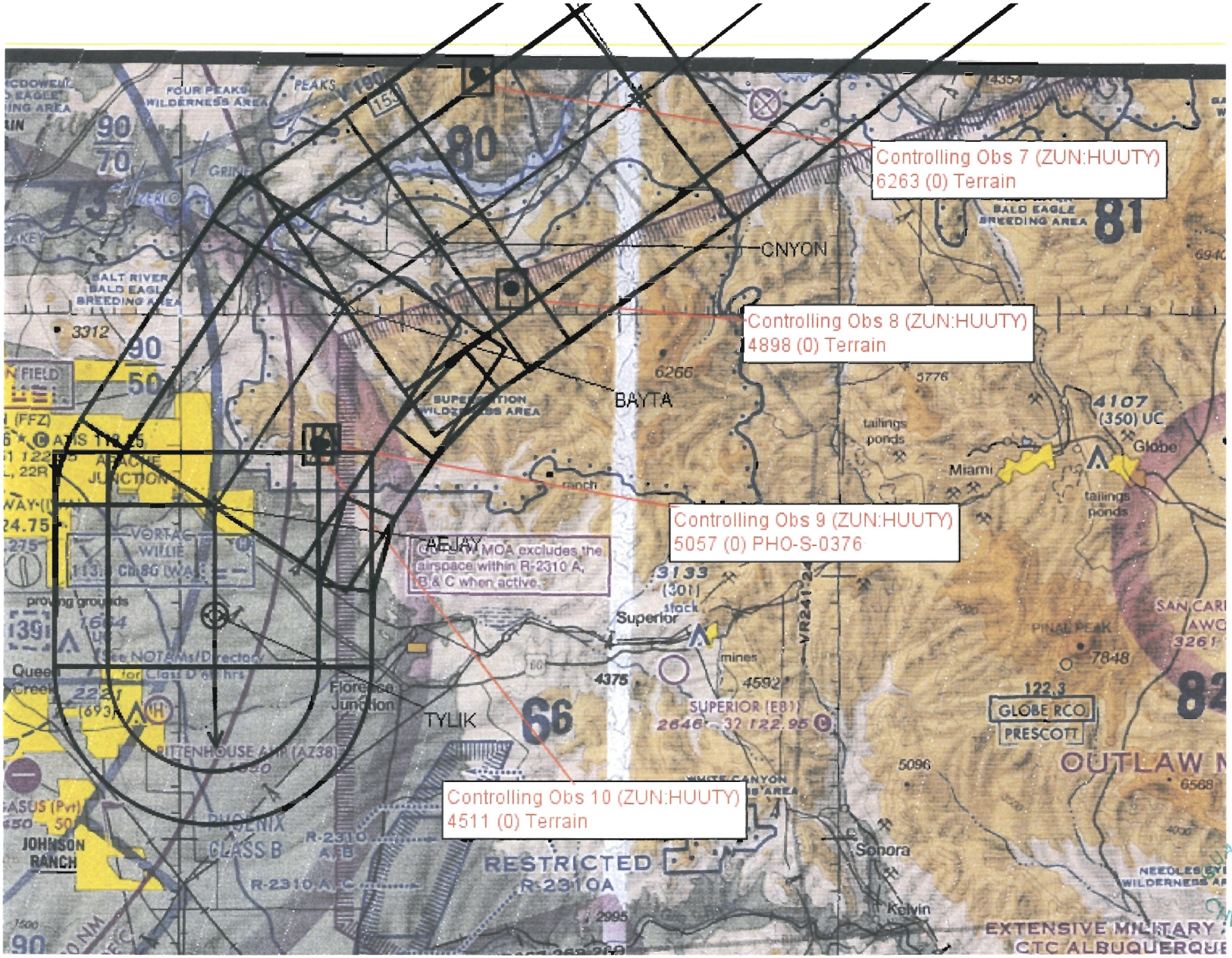
(19) Graphic Depiction (7 of 9)



(19) Graphic Depiction (8 of 9)



(19) Graphic Depiction (9 of 9)



US Department of Transportation
Federal Aviation Administration

RNAV STAR (Data Record)

(1) FIX/NAVAID	(2) LAT/LONG	(3) C	(4) FO/FB	(5) LEG	(6) TC	(7) DIST	(8) ALTITUDE	(9) SPEED	(10) REMARKS
En Route Transition									
INW VORTAC	350341.76 N/ 1104742.07 W	Y		IF					INW.HUUTY1
KENRY	344025.08 N/ 1104316.61 W	Y	FB	TF	171.08	23.52			
TYYNE	343018.10 N/ 1104121.34 W	Y	FB	TF	171.07	10.22	AT/BELOW FL230		
HUUTY	340938.50 N/ 1103730.49 W	Y	FB	TF	171.20	20.87	AT/BELOW FL200	AT 270K	
En Route Transition									
ZUN VORTAC	345756.71 N/ 1090916.23 W	Y		IF					ZUN.HUUTY1
CARZO	344316.90 N/ 1092753.74 W	Y	FB	TF	226.41	21.20			
MICHY	343724.65 N/ 1093937.05 W	Y	FB	TF	238.83	11.31			
PRRES	342256.12 N/ 1100819.66 W	Y	FB	TF	238.79	27.78	AT/BELOW FL280		
HUUTY	340938.50 N/ 1103730.49 W	Y	FB	TF	241.38	27.58	AT/BELOW FL200	AT 270K	
Common Route									
HUUTY	340938.50 N/ 1103730.49 W	Y		IF			AT/BELOW FL200	AT 270K	HUUTY.HUUTY1
CHEKR	335024.00 N/ 1105022.45 W	Y	FB	TF	209.17	21.99	AT/ABOVE 12000, AT/BELOW 14000	AT 270K	

(11) Arrival Name	(12) Number	(13) STAR Computer Code	(14) Superseded Nr.	(15) Dated	(16) Effective Date
HUUTY RNAV	ONE	HUUTY.HUUTY1	None		

FAA Form 7100-3 (9/02)

US Department of Transportation
Federal Aviation Administration

RNAV STAR (Data Record)

(1) FIX/NAVAID	(2) LAT/LONG	(3) C	(4) FO/FB	(5) LEG	(6) TC	(7) DIST	(8) ALTITUDE	(9) SPEED	(10) REMARKS
ROSEE	333806.63N/ 1110916.92W	Y	FB	TF	232.21	19.98	AT/ABOVE 10000, AT/BELOW 11000	AT 250K	
CNYON	333231.68N/ 1111830.49W	Y	FB	TF	234.18	09.51	AT 9000		
BAYTA	333004.76N/ 1112241.12W	Y	FB	TF	235.03	04.26	AT 8000		
AEJAY	332229.10N/ 1112835.38W	Y	FB	TF	213.12	09.05	AT 7000	AT 210K	
TYLIK	331819.63N/ 1112835.38W	Y	FO	TF	180.00	04.15	AT 5500		
				VM	180.00	05.00			

(11) Arrival Name	(12) Number	(13) STAR Computer Code	(14) Superseded Nr.	(15) Dated	(16) Effective Date
HUUTY RNAV	ONE	HUUTY.HUUTY1	None		

FAA Form 7100-3 (9/02)

US Department of Transportation
Federal Aviation Administration

STAR (Data Record)

ARINC PACKET - 424-18 - STAR

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        SUSAD         ZUN   K2011340VTHA N34575671W109091623    N34575671W109091623E0140065502     NARZUNI

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        SUSAEAENRT   AEJAY K20    W     N33222910W111283538                    E0107     NAR          AEJAY
        SUSAEAENRT   BAYTA K20    C   H N33300476W111224112                    E0107     NAR          BAYTA
        SUSAEAENRT   CARZO K20    W     N34431690W109275374                    E0102     NAR          CARZO
        SUSAEAENRT   CHEKR K20    C   B N33502400W110502245                    E0106     NAR          CHEKR
        SUSAEAENRT   CNYON K20    W     N33323168W111183049                    E0107     NAR          CNYON
        SUSAEAENRT   HUUTY K20    W     N34093850W110373049                    E0106     NAR          HUUTY
        SUSAEAENRT   KENRY K20    W     N34402508W110431661                    E0107     NAR          KENRY
        SUSAEAENRT   MICHY K20    W     N34372465W109393705                    E0103     NAR          MICHY
        SUSAEAENRT   PRRES K20    W     N34225612W110081966                    E0104     NAR          PRRES
        SUSAEAENRT   ROSEE K20    W     N33380663W111091692                    E0106     NAR          ROSEE
        SUSAEAENRT   TYLIK K20    W     N33181963W111283538                    E0107     NAR          TYLIK
        SUSAEAENRT   TYYNE K20    W     N34301810W110412134                    E0106     NAR          TYYNE

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        SUSAP KCHDK2EHUUTY14INW   030TYYNEK2EA0E    010TF                  15810102    - FL230
        SUSAP KCHDK2EHUUTY14INW   040HUUTYK2EA0EE   010TF                  15820209    - FL200        270
        SUSAP KCHDK2EHUUTY14ZUN   010ZUN  K2D 0V  H    IF                                             18000
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        SUSAP KCHDK2EHUUTY14ZUN   040PRRESK2EA0E    010TF                  22580278    - FL280
        SUSAP KCHDK2EHUUTY14ZUN   050HUUTYK2EA0EE   010TF                  22840276    - FL200        270
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QUALITY 1 CHECKED

(11) Arrival Name	(12) Number	(13) STAR Computer Code	(14) Superseded Nr.	(15) Dated	(16) Effective Date
HUUTY RNAV	ONE	HUUTY.HUUTY1	NONE		

FAA Form 7100-3 (9/02)

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STAR (Data Record)

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QUALITY 1 CHECKED

(11) Arrival Name	(12) Number	(13) STAR Computer Code	(14) Superseded Nr.	(15) Dated	(16) Effective Date
HUUTY RNAV	ONE	HUUTY.HUUTY1	NONE		

FAA Form 7100-3 (9/02)

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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
	INW	INW	010		IF		FB					
	INW	KENRY	020		TF		FB	1.0	158.1()	023.5		
	INW	TYYNE	030		TF		FB	1.0	158.1()	010.2	AB FL230	
	INW	HUUTY	040		TF		FB	1.0	158.2()	020.9	AB FL200	AT 270
	ZUN	ZUN	010		IF		FB					
	ZUN	CARZO	020		TF		FB	1.0	213.4()	021.2		
	ZUN	MICHY	030		TF		FB	1.0	225.8()	011.3		
	ZUN	PRRES	040		TF		FB	1.0	225.8()	027.8	AB FL280	
	ZUN	HUUTY	050		TF		FB	1.0	228.4()	027.6	AB FL200	AT 270
	ALL	HUUTY	010		IF		FB				AB FL200	AT 270
	ALL	CHEKR	020		TF		FB	1.0	196.2()	022.0	BT 1400012000	AT 270
	ALL	ROSEE	030		TF		FB	1.0	219.2()	020.0	BT 1100010000	AT 250
	ALL	CNYON	040		TF		FB	1.0	221.2()	009.5	AT 09000	
	ALL	BAYTA	050		TF		FB	1.0	222.0()	004.3	AT 08000	
	ALL	AEJAY	060		TF		FB	1.0	200.1()	009.1	AT 07000	AT 210
	ALL	TYLIK	070		TF		FO	1.0	167.0()	004.2	AT 05500	
	ALL	KCHD	080		VM		FB		167.0()			

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	INW	N350341.76	W1104742.07	N3503.696	W11047.701
	ZUN	N345756.71	W1090916.23	N3457.945	W10909.271
	AEJAY	N332229.10	W1112835.38	N3322.485	W11128.590
	BAYTA	N333004.76	W1112241.12	N3330.079	W11122.685
	CARZO	N344316.90	W1092753.74	N3443.282	W10927.896
	CHEKR	N335024.00	W1105022.45	N3350.400	W11050.374
	CNYON	N333231.68	W1111830.49	N3332.528	W11118.508
	HUUTY	N340938.50	W1103730.49	N3409.642	W11037.508
	KENRY	N344025.08	W1104316.61	N3440.418	W11043.277
	MICHY	N343724.65	W1093937.05	N3437.411	W10939.618
	PRRES	N342256.12	W1100819.66	N3422.935	W11008.328
	ROSEE	N333806.63	W1110916.92	N3338.111	W11109.282
	TYLIK	N331819.63	W1112835.38	N3318.327	W11128.590
	TYYNE	N343018.10	W1104121.34	N3430.302	W11041.356
	RW04L	N331550.81	W1114911.83	N3315.847	W11149.197
	RW04R	N331556.61	W1114850.99	N3315.944	W11148.850
	RW22L	N331627.81	W1114807.29	N3316.464	W11148.122
	RW22R	N331619.01	W1114832.35	N3316.317	W11148.539

QUALITY 1 CHECKED

(11) Arrival Name	(12) Number	(13) STAR Computer Code	(14) Superseded Nr.	(15) Dated	(16) Effective Date
HUUTY RNAV	ONE	HUUTY.HUUTY1	NONE		

FAA Form 7100-3 (9/02)

RUNWAY DATA

RWY	THRESHOLD ELEVATION	TCH
RW04L	01231	40
RW04R	01236	37
RW22L	01243	50
RW22R	01236	40

(11) Arrival Name	(12) Number	(13) STAR Computer Code	(14) Superseded Nr.	(15) Dated	(16) Effective Date
HUUTY RNAV	ONE	HUUTY.HUUTY1	NONE		

US Department of Transportation
Federal Aviation Administration

STAR (Data Record)

ARINC PACKET - 424-18 - STAR

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        ------------------------------------------------------------------------------------------------------------------------------
        SUSAD         INW   K2011260VTHA N35034176W110474207    N35034176W110474207E0140049132     NARWINSLOW
        SUSAD         ZUN   K2011340VTHA N34575671W109091623    N34575671W109091623E0140065502     NARZUNI

                 1         2         3         4         5         6         7         8         9         0         1         2         3
WP      12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAEAENRT   AEJAY K20    W     N33222910W111283538                    E0107     NAR          AEJAY
        SUSAEAENRT   BAYTA K20    C   H N33300476W111224112                    E0107     NAR          BAYTA
        SUSAEAENRT   CARZO K20    W     N34431690W109275374                    E0102     NAR          CARZO
        SUSAEAENRT   CHEKR K20    C   B N33502400W110502245                    E0106     NAR          CHEKR
        SUSAEAENRT   CNYON K20    W     N33323168W111183049                    E0107     NAR          CNYON
        SUSAEAENRT   HUUTY K20    W     N34093850W110373049                    E0106     NAR          HUUTY
        SUSAEAENRT   KENRY K20    W     N34402508W110431661                    E0107     NAR          KENRY
        SUSAEAENRT   MICHY K20    W     N34372465W109393705                    E0103     NAR          MICHY
        SUSAEAENRT   PRRES K20    W     N34225612W110081966                    E0104     NAR          PRRES
        SUSAEAENRT   ROSEE K20    W     N33380663W111091692                    E0106     NAR          ROSEE
        SUSAEAENRT   TYLIK K20    W     N33181963W111283538                    E0107     NAR          TYLIK
        SUSAEAENRT   TYYNE K20    W     N34301810W110412134                    E0106     NAR          TYYNE

                 1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KFFZK2AFFZ     0     051YHN33273900W111434200E012001394          1800018000C    MNAR    FALCON FLD

                 1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KFFZK2EHUUTY14INW   010INW  K2D 0V  H    IF                                                  18000
        SUSAP KFFZK2EHUUTY14INW   020KENRYK2EA0E    010TF                  15810235
        SUSAP KFFZK2EHUUTY14INW   030TYYNEK2EA0E    010TF                  15810102    - FL230
        SUSAP KFFZK2EHUUTY14INW   040HUUTYK2EA0EE   010TF                  15820209    - FL200          270
        SUSAP KFFZK2EHUUTY14ZUN   010ZUN  K2D 0V  H    IF                                              18000
        SUSAP KFFZK2EHUUTY14ZUN   020CARZOK2EA0E    010TF                  21340212
        SUSAP KFFZK2EHUUTY14ZUN   030MICHYK2EA0E    010TF                  22580113
        SUSAP KFFZK2EHUUTY14ZUN   040PRRESK2EA0E    010TF                  22580278    - FL280
        SUSAP KFFZK2EHUUTY14ZUN   050HUUTYK2EA0EE   010TF                  22840276    - FL200          270
        SUSAP KFFZK2EHUUTY15ALL   010HUUTYK2EA0E      IF                               - FL200     18000270
```

QUALITY 1 CHECKED

(11) Arrival Name	(12) Number	(13) STAR Computer Code	(14) Superseded Nr.	(15) Dated	(16) Effective Date
HUUTY RNAV	ONE	HUUTY.HUUTY1	NONE		

FAA Form 7100-3 (9/02)

```
SUSAP KFFZK2EHUUTY15ALL   020CHEKRK2EA0E  H 010TF                  19620220    B 1400012000     270
SUSAP KFFZK2EHUUTY15ALL   030ROSEEK2EA0E  H 010TF                  21920200    B 1100010000     250
SUSAP KFFZK2EHUUTY15ALL   040CNYONK2EA0E    010TF                  22120095      09000
SUSAP KFFZK2EHUUTY15ALL   050BAYTAK2EA0E    010TF                  22200043      08000
SUSAP KFFZK2EHUUTY15ALL   060AEJAYK2EA0E    010TF                  20010091      07000          210
SUSAP KFFZK2EHUUTY15ALL   070TYLIKK2EA0EY   010TF                  16700042      05500
SUSAP KFFZK2EHUUTY15ALL   080KFFZ K2PA0AE     VM                   1670

                1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
SUSAP KFFZK2GRW04L   0037990392 N33272988W111440306+0500    +0386701366000039075R
SUSAP KFFZK2GRW04R   0051010392 N33272123W111440272+0600    +0386601365000041100R
SUSAP KFFZK2GRW22L   0051012192 N33275287W111431582-0600    +0395401394000050100V
SUSAP KFFZK2GRW22R   0037992192 N33275345W111432814-0500    +0392901386000046075V
```

QUALITY CHECKED

(11) Arrival Name	(12) Number	(13) STAR Computer Code	(14) Superseded Nr.	(15) Dated	(16) Effective Date
HUUTY RNAV	ONE	HUUTY.HUUTY1	NONE		

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
	INW	INW	010		IF		FB					
	INW	KENRY	020		TF		FB	1.0	158.1()	023.5		
	INW	TYYNE	030		TF		FB	1.0	158.1()	010.2	AB FL230	
	INW	HUUTY	040		TF		FB	1.0	158.2()	020.9	AB FL200	AT 270
	ZUN	ZUN	010		IF		FB					
	ZUN	CARZO	020		TF		FB	1.0	213.4()	021.2		
	ZUN	MICHY	030		TF		FB	1.0	225.8()	011.3		
	ZUN	PRRES	040		TF		FB	1.0	225.8()	027.8	AB FL280	
	ZUN	HUUTY	050		TF		FB	1.0	228.4()	027.6	AB FL200	AT 270
	ALL	HUUTY	010		IF		FB				AB FL200	AT 270
	ALL	CHEKR	020		TF		FB	1.0	196.2()	022.0	BT 1400012000	AT 270
	ALL	ROSEE	030		TF		FB	1.0	219.2()	020.0	BT 1100010000	AT 250
	ALL	CNYON	040		TF		FB	1.0	221.2()	009.5	AT 09000	
	ALL	BAYTA	050		TF		FB	1.0	222.0()	004.3	AT 08000	
	ALL	AEJAY	060		TF		FB	1.0	200.1()	009.1	AT 07000	AT 210
	ALL	TYLIK	070		TF		FO	1.0	167.0()	004.2	AT 05500	
	ALL	KFFZ	080		VM		FB		167.0()			

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	INW	N350341.76	W1104742.07	N3503.696	W11047.701
	ZUN	N345756.71	W1090916.23	N3457.945	W10909.271
	AEJAY	N332229.10	W1112835.38	N3322.485	W11128.590
	BAYTA	N333004.76	W1112241.12	N3330.079	W11122.685
	CARZO	N344316.90	W1092753.74	N3443.282	W10927.896
	CHEKR	N335024.00	W1105022.45	N3350.400	W11050.374
	CNYON	N333231.68	W1111830.49	N3332.528	W11118.508
	HUUTY	N340938.50	W1103730.49	N3409.642	W11037.508
	KENRY	N344025.08	W1104316.61	N3440.418	W11043.277
	MICHY	N343724.65	W1093937.05	N3437.411	W10939.618
	PRRES	N342256.12	W1100819.66	N3422.935	W11008.328
	ROSEE	N333806.63	W1110916.92	N3338.111	W11109.282
	TYLIK	N331819.63	W1112835.38	N3318.327	W11128.590
	TYYNE	N343018.10	W1104121.34	N3430.302	W11041.356
	RW04L	N332729.88	W1114403.06	N3327.498	W11144.051
	RW04R	N332721.23	W1114402.72	N3327.354	W11144.045
	RW22L	N332752.87	W1114315.82	N3327.881	W11143.264
	RW22R	N332753.45	W1114328.14	N3327.891	W11143.469

(11) Arrival Name	(12) Number	(13) STAR Computer Code	(14) Superseded Nr.	(15) Dated	(16) Effective Date
HUUTY RNAV	ONE	HUUTY.HUUTY1	NONE		

FAA Form 7100-3 (9/02)

RUNWAY DATA

RWY	THRESHOLD ELEVATION	TCH
RW04L	01366	39
RW04R	01365	41
RW22L	01394	50
RW22R	01386	46

(11) Arrival Name	(12) Number	(13) STAR Computer Code	(14) Superseded Nr.	(15) Dated	(16) Effective Date
HUUTY RNAV	ONE	HUUTY.HUUTY1	NONE		

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         INW   K2011260VTHA N35034176W110474207    N35034176W110474207E0140049132     NARWINSLOW
        SUSAD         ZUN   K2011340VTHA N34575671W109091623    N34575671W109091623E0140065502     NARZUNI

                1         2         3         4         5         6         7         8         9         0         1         2         3
WP      12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ----------------------------------------------------------------------------------------------------------------------------
        SUSAEAENRT   AEJAY K20    W     N33222910W111283538                    E0107    NAR          AEJAY
        SUSAEAENRT   BAYTA K20    C   H N33300476W111224112                    E0107    NAR          BAYTA
        SUSAEAENRT   CARZO K20    W     N34431690W109275374                    E0102    NAR          CARZO
        SUSAEAENRT   CHEKR K20    C   B N33502400W110502245                    E0106    NAR          CHEKR
        SUSAEAENRT   CNYON K20    W     N33323168W111183049                    E0107    NAR          CNYON
        SUSAEAENRT   HUUTY K20    W     N34093850W110373049                    E0106    NAR          HUUTY
        SUSAEAENRT   KENRY K20    W     N34402508W110431661                    E0107    NAR          KENRY
        SUSAEAENRT   MICHY K20    W     N34372465W109393705                    E0103    NAR          MICHY
        SUSAEAENRT   PRRES K20    W     N34225612W110081966                    E0104    NAR          PRRES
        SUSAEAENRT   ROSEE K20    W     N33380663W111091692                    E0106    NAR          ROSEE
        SUSAEAENRT   TYLIK K20    W     N33181963W111283538                    E0107    NAR          TYLIK
        SUSAEAENRT   TYYNE K20    W     N34301810W110412134                    E0106    NAR          TYYNE

                1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ----------------------------------------------------------------------------------------------------------------------------
        SUSAP KIWAK2AIWA     0     104YHN33182816W111391966E013001384         1800018000C    MNAR    PHOENIX-MESA GATEWAY

                1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ----------------------------------------------------------------------------------------------------------------------------
        SUSAP KIWAK2EHUUTY14INW   010INW  K2D 0V  H    IF                                                  18000
        SUSAP KIWAK2EHUUTY14INW   020KENRYK2EA0E    010TF                  15810235
        SUSAP KIWAK2EHUUTY14INW   030TYYNEK2EA0E    010TF                  15810102    - FL230
        SUSAP KIWAK2EHUUTY14INW   040HUUTYK2EA0EE   010TF                  15820209    - FL200        270
        SUSAP KIWAK2EHUUTY14ZUN   010ZUN  K2D 0V  H    IF                                             18000
        SUSAP KIWAK2EHUUTY14ZUN   020CARZOK2EA0E    010TF                  21340212
        SUSAP KIWAK2EHUUTY14ZUN   030MICHYK2EA0E    010TF                  22580113
        SUSAP KIWAK2EHUUTY14ZUN   040PRRESK2EA0E    010TF                  22580278    - FL280
        SUSAP KIWAK2EHUUTY14ZUN   050HUUTYK2EA0EE   010TF                  22840276    - FL200        270
        SUSAP KIWAK2EHUUTY15ALL   010HUUTYK2EA0E      IF                               - FL200    18000270
```

QUALITY 1 CHECKED

(11) Arrival Name	(12) Number	(13) STAR Computer Code	(14) Superseded Nr.	(15) Dated	(16) Effective Date
HUUTY RNAV	ONE	HUUTY.HUUTY1	NONE		

FAA Form 7100-3 (9/02)

```
SUSAP KIWAK2EHUUTY15ALL   020CHEKRK2EA0E  H 010TF                  19620220    B 1400012000     270
SUSAP KIWAK2EHUUTY15ALL   030ROSEEK2EA0E  H 010TF                  21920200    B 1100010000     250
SUSAP KIWAK2EHUUTY15ALL   040CNYONK2EA0E    010TF                  22120095      09000
SUSAP KIWAK2EHUUTY15ALL   050BAYTAK2EA0E    010TF                  22200043      08000
SUSAP KIWAK2EHUUTY15ALL   060AEJAYK2EA0E    010TF                  20010091      07000          210
SUSAP KIWAK2EHUUTY15ALL   070TYLIKK2EA0EY   010TF                  16700042      05500
SUSAP KIWAK2EHUUTY15ALL   080KIWA K2PA0AE     VM                   1670
```

```
          1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY    12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
SUSAP KIWAK2GRW12C   0102011226 N33190340W111395732+0300    +0381001348000050150R
SUSAP KIWAK2GRW12L   0093001226 N33190332W111394072+0300    +0383701356000074150V
SUSAP KIWAK2GRW12R   0104011226 N33190361W111402233+0300    +0378701340000045150R
SUSAP KIWAK2GRW30C   0102013026 N33175133W111383319-0300    +0390901380000041150IIIWA1
SUSAP KIWAK2GRW30L   0104013026 N33175015W111385653-0300    +0388901373000055150R
SUSAP KIWAK2GRW30R   0093003026 N33175762W111382403-0300    +0392101384000075150V
```

(11) Arrival Name	(12) Number	(13) STAR Computer Code	(14) Superseded Nr.	(15) Dated	(16) Effective Date
HUUTY RNAV	ONE	HUUTY.HUUTY1	NONE		

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
	INW	INW	010		IF		FB					
	INW	KENRY	020		TF		FB	1.0	158.1()	023.5		
	INW	TYYNE	030		TF		FB	1.0	158.1()	010.2	AB FL230	
	INW	HUUTY	040		TF		FB	1.0	158.2()	020.9	AB FL200	AT 270
	ZUN	ZUN	010		IF		FB					
	ZUN	CARZO	020		TF		FB	1.0	213.4()	021.2		
	ZUN	MICHY	030		TF		FB	1.0	225.8()	011.3		
	ZUN	PRRES	040		TF		FB	1.0	225.8()	027.8	AB FL280	
	ZUN	HUUTY	050		TF		FB	1.0	228.4()	027.6	AB FL200	AT 270
	ALL	HUUTY	010		IF		FB				AB FL200	AT 270
	ALL	CHEKR	020		TF		FB	1.0	196.2()	022.0	BT 1400012000	AT 270
	ALL	ROSEE	030		TF		FB	1.0	219.2()	020.0	BT 1100010000	AT 250
	ALL	CNYON	040		TF		FB	1.0	221.2()	009.5	AT 09000	
	ALL	BAYTA	050		TF		FB	1.0	222.0()	004.3	AT 08000	
	ALL	AEJAY	060		TF		FB	1.0	200.1()	009.1	AT 07000	AT 210
	ALL	TYLIK	070		TF		FO	1.0	167.0()	004.2	AT 05500	
	ALL	KIWA	080		VM		FB		167.0()			

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	INW	N350341.76	W1104742.07	N3503.696	W11047.701
	ZUN	N345756.71	W1090916.23	N3457.945	W10909.271
	AEJAY	N332229.10	W1112835.38	N3322.485	W11128.590
	BAYTA	N333004.76	W1112241.12	N3330.079	W11122.685
	CARZO	N344316.90	W1092753.74	N3443.282	W10927.896
	CHEKR	N335024.00	W1105022.45	N3350.400	W11050.374
	CNYON	N333231.68	W1111830.49	N3332.528	W11118.508
	HUUTY	N340938.50	W1103730.49	N3409.642	W11037.508
	KENRY	N344025.08	W1104316.61	N3440.418	W11043.277
	MICHY	N343724.65	W1093937.05	N3437.411	W10939.618
	PRRES	N342256.12	W1100819.66	N3422.935	W11008.328
	ROSEE	N333806.63	W1110916.92	N3338.111	W11109.282
	TYLIK	N331819.63	W1112835.38	N3318.327	W11128.590
	TYYNE	N343018.10	W1104121.34	N3430.302	W11041.356
	RW12C	N331903.40	W1113957.32	N3319.057	W11139.955
	RW12L	N331903.32	W1113940.72	N3319.055	W11139.679
	RW12R	N331903.61	W1114022.33	N3319.060	W11140.372
	RW30C	N331751.33	W1113833.19	N3317.856	W11138.553

QUALITY 1 CHECKED

(11) Arrival Name	(12) Number	(13) STAR Computer Code	(14) Superseded Nr.	(15) Dated	(16) Effective Date
HUUTY RNAV	ONE	HUUTY.HUUTY1	NONE		

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RW30L	N331750.15	W1113856.53	N3317.836	W11138.942
RW30R	N331757.62	W1113824.03	N3317.960	W11138.401

RUNWAY DATA

RWY	THRESHOLD ELEVATION	TCH
RW12C	01348	50
RW12L	01356	74
RW12R	01340	45
RW30C	01380	41
RW30L	01373	55
RW30R	01384	75

QUALITY CHECKED

(11) Arrival Name	(12) Number	(13) STAR Computer Code	(14) Superseded Nr.	(15) Dated	(16) Effective Date
HUUTY RNAV	ONE	HUUTY.HUUTY1	NONE		

RADIO FIX AND HOLDING DATA RECORD

NAME: AEJAY **STATE:** AZ **COUNTRY:** US

LATITUDE/LONGITUDE: 332229.10N/1112835.38W **TYPE:** WP

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

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
STAR	HUUTY (RNAV)			KCHD	CHANDLER	AZ (US)
STAR	HUUTY (RNAV)			KFFZ	MESA	AZ (US)
STAR	HUUTY (RNAV)			KIWA	PHOENIX	AZ (US)

REQUIRED CHARTING: STAR

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG **DATE OF REVISION:** 05/31/2012

DEVELOPED BY: **DATE:** 10/25/2011 **OFFICE:** AJV-354 **NAME:** DAVID DOWLING

APPROVED BY: **DATE:** **OFFICE:** AJV-354 **NAME:** DEZ SILAGYI

SIGNATURE:

DISTRIBUTION: **NFDC**
FPO: WST
ARTCC: ZAB
ATC FACILITY: PHX APP CON
OTHER: PHX ATCT

QUALITY 5 CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: BAYTA **STATE:** AZ **COUNTRY:** US

LATITUDE/LONGITUDE: 333004.76N/1112241.12W **TYPE:** WP, 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	PHOENIX	PXR	VORTAC	H	070.00	082.00	30.00	30.00		6300	45000

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

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	CHEZZ (RNAV)			KPHX	PHOENIX	AZ (US)
DP	CHOPR (RNAV)			KPHX	PHOENIX	AZ (US)
DP	DSERT (RNAV)			KPHX	PHOENIX	AZ (US)
DP	MAXXO	1		KPHX	PHOENIX	AZ (US)
STAR	HUUTY (RNAV)			KCHD	CHANDLER	AZ (US)
STAR	HUUTY (RNAV)			KFFZ	MESA	AZ (US)
STAR	HUUTY (RNAV)			KIWA	PHOENIX	AZ (US)

REQUIRED CHARTING: DP, STAR, AREA, CONTROLLER, EN ROUTE HIGH

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 2 **DATE OF REVISION:** 04/05/2012

REASON FOR REVISION:
RAISED FAC 1 MAA FROM 17500 TO 45000.
REMOVED FAC 2.
ADDED STAR CHARTING.
UPDATED FIX USE.

DEVELOPED BY: **DATE:** 10/27/2011 **OFFICE:** AJV-354 **NAME:** DAVID DOWLING

APPROVED BY: **DATE:** **OFFICE:** AJV-354 **NAME:** DEZ SILAGYI

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: WST
ARTCC: ZAB
ATC FACILITY: PHX APP CON
OTHER: PHX ATCT

QUALITY 5 CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: CARZO **STATE:** AZ **COUNTRY:** US

LATITUDE/LONGITUDE: 344316.90N/1092753.74W **TYPE:** WP

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

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
STAR	HUUTY (RNAV)			KCHD	CHANDLER	AZ (US)
STAR	HUUTY (RNAV)			KFFZ	MESA	AZ (US)
STAR	HUUTY (RNAV)			KIWA	PHOENIX	AZ (US)

REQUIRED CHARTING: STAR

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG **DATE OF REVISION:** 04/05/2012

DEVELOPED BY: **DATE:** 10/13/2011 **OFFICE:** AJV-354 **NAME:** DAVID DOWLING

APPROVED BY: **DATE:** **OFFICE:** AJV-354 **NAME:** DEZ SILAGYI

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: WST
ARTCC: ZAN
ATC FACILITY: PHX APP CON
OTHER: PHX ATCT

QUALITY 5 CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: CHEKR **STATE:** AZ **COUNTRY:** US

LATITUDE/LONGITUDE: 335024.00N/1105022.45W **TYPE:** WP, 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	PHOENIX	PXR	VORTAC	H	054.40	066.40	61.66	61.66		12000	45000

EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
PXR	VORTAC	R-054	62	12000	45000

HOLDING: **HOLDING TYPE OF ACTION:** ESTABLISH

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		WP	016.16	196.16	L		7	12000	14000	10	11

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	230	AAO	334848.00N/1105430.00W	7966	4E

PRECIPITOUS TERRAIN ADDITIONS:

PAT	SPEED	ADDITION
1	230	344

REASON FOR NONSTANDARD HOLDING:
PAT 1 ATC REQUEST.

HOLDING RESTRICTIONS:
HOLDING LIMITED TO ESTABLISHED PATTERN.

REMARKS:
PRECIPITOUS TERRAIN EVALUATION COMPLETED.
PREFERRED ARRIVAL ROUTE (PAR) INTO PHOENIX AIRSPACE.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
EN ROUTE	J18-102	1				(US)
EN ROUTE	V190	1				(US)
STAR	HUUTY (RNAV)			KCHD	CHANDLER	AZ (US)
STAR	HUUTY (RNAV)			KFFZ	MESA	AZ (US)
STAR	HUUTY (RNAV)		1	KIWA	PHOENIX	AZ (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1 **DATE OF REVISION:** 05/31/2012

REASON FOR REVISION:
ADDED NM DISTANCE FROM FAC 1.
ADDED ESV INFORMATION.
ADDED PAT 1.
UPDATED FIX USE.
ADDED STAR CHARTING.

DEVELOPED BY: **DATE:** 10/14/2011 **OFFICE:** AJV-354 **NAME:** DAVID DOWLING

APPROVED BY: **DATE:** **OFFICE:** AJV-354 **NAME:** DEZ SILAGYI

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: WST
ARTCC: ZAB
ATC FACILITY: PHX APP CON
OTHER: PHX ATCT

QUALITY 1 CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: CNYON **STATE:** AZ **COUNTRY:** US

LATITUDE/LONGITUDE: 333231.68N/1111830.49W **TYPE:** WP

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

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
STAR	HUUTY (RNAV)			KCHD	CHANDLER	AZ (US)
STAR	HUUTY (RNAV)			KFFZ	MESA	AZ (US)
STAR	HUUTY (RNAV)			KIWA	PHOENIX	AZ (US)

REQUIRED CHARTING: STAR

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG **DATE OF REVISION:** 04/05/2012

DEVELOPED BY: **DATE:** 10/25/2011 **OFFICE:** AJV-354 **NAME:** DAVID DOWLING

APPROVED BY: **DATE:** **OFFICE:** AJV-354 **NAME:** DEZ SILAGYI

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: WST
ARTCC: ZAB
ATC FACILITY: PHX APP CON
OTHER: PHX ATCT

QUALITY 5 CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: HUUTY **STATE:** AZ **COUNTRY:** US

LATITUDE/LONGITUDE: 340938.50N/1103730.49W **TYPE:** WP

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

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
STAR	HUUTY (RNAV)			KCHD	CHANDLER	AZ (US)
STAR	HUUTY (RNAV)			KFFZ	MESA	AZ (US)
STAR	HUUTY (RNAV)			KIWA	PHOENIX	AZ (US)

REQUIRED CHARTING: STAR

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG **DATE OF REVISION:** 05/31/2012

DEVELOPED BY: **DATE:** 10/14/2011 **OFFICE:** AJV-354 **NAME:** DAVID DOWLING

APPROVED BY: **DATE:** **OFFICE:** AJV-354 **NAME:** DEZ SILAGYI

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: WST
ARTCC: ZAB
ATC FACILITY: PHX APP CON
OTHER: PHX ATCT

QUALITY 5 CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: KENRY **STATE:** AZ **COUNTRY:** US

LATITUDE/LONGITUDE: 344025.08N/1104316.61W **TYPE:** WP

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

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
STAR	HUUTY (RNAV)			KCHD	CHANDLER	AZ (US)
STAR	HUUTY (RNAV)			KFFZ	MESA	AZ (US)
STAR	HUUTY (RNAV)			KIWA	PHOENIX	AZ (US)

REQUIRED CHARTING: STAR

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG **DATE OF REVISION:** 04/05/2012

DEVELOPED BY: **DATE:** 10/25/2011 **OFFICE:** AJV-354 **NAME:** DAVID DOWLING

APPROVED BY: **DATE:** **OFFICE:** AJV-354 **NAME:** DEZ SILAGYI

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: WST
ARTCC: ZAB
ATC FACILITY: PHX APP CON
OTHER: PHX ATCT

RADIO FIX AND HOLDING DATA RECORD

NAME: MICHY **STATE:** AZ **COUNTRY:** US

LATITUDE/LONGITUDE: 343724.65N/1093937.05W **TYPE:** WP

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

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
STAR	HUUTY (RNAV)			KCHD	CHANDLER	AZ (US)
STAR	HUUTY (RNAV)			KFFZ	MESA	AZ (US)
STAR	HUUTY (RNAV)			KIWA	PHOENIX	AZ (US)

REQUIRED CHARTING: STAR

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG **DATE OF REVISION:** 04/05/2012

DEVELOPED BY: **DATE:** 10/14/2011 **OFFICE:** AJV-354 **NAME:** DAVID DOWLING

APPROVED BY: **DATE:** **OFFICE:** AJV-354 **NAME:** DEZ SILAGYI

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: WST
ARTCC: ZAB
ATC FACILITY: PHX APP CON
OTHER: PHX ATCT

RADIO FIX AND HOLDING DATA RECORD

NAME: PRRES **STATE:** AZ **COUNTRY:** US

LATITUDE/LONGITUDE: 342256.12N/1100819.66W **TYPE:** WP

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

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
STAR	HUUTY (RNAV)			KCHD	CHANDLER	AZ (US)
STAR	HUUTY (RNAV)			KFFZ	MESA	AZ (US)
STAR	HUTTY (RNAV)			KIWA	PHOENIX	AZ (US)

REQUIRED CHARTING: STAR

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG **DATE OF REVISION:** 04/05/2012

DEVELOPED BY: **DATE:** 10/14/2011 **OFFICE:** AJV-354 **NAME:** DAVID DOWLING

APPROVED BY: **DATE:** **OFFICE:** AJV-354 **NAME:** DEZ SILAGYI

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: WST
ARTCC: ZAB
ATC FACILITY: PHX APP CON
OTHER: PHX ATCT

QUALITY 5 CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: ROSEE **STATE:** AZ **COUNTRY:** US

LATITUDE/LONGITUDE: 333806.63N/1110916.92W **TYPE:** WP

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

HOLDING: **HOLDING TYPE OF ACTION:** ESTABLISH

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	NE		WP	039.21	219.21	R		7	10000	14000	10	11

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	230	AAO	334848.00N/1105430.00W	7966	4E

PRECIPITOUS TERRAIN ADDITIONS:

PAT	SPEED	ADDITION
1	230	375

HOLDING RESTRICTIONS:
HOLDING LIMITED TO ESTABLISHED PATTERN.

REMARKS:
PRECIPITOUS TERRAIN EVALUATION COMPLETE.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
STAR	HUUTY (RNAV)		1	KCHD	CHANDLER	AZ (US)
STAR	HUUTY (RNAV)		1	KFFZ	MESA	AZ (US)
STAR	HUUTY (RNAV)		1	KIWA	PHOENIX	AZ (US)

REQUIRED CHARTING: STAR

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG **DATE OF REVISION:** 04/05/2012

DEVELOPED BY: **DATE:** 10/25/2011 **OFFICE:** AJV-354 **NAME:** DAVID DOWLING

APPROVED BY: **DATE:** **OFFICE:** AJV-354 **NAME:** DEZ SILAGYI

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: WST
ARTCC: ZAB
ATC FACILITY: PHX APP CON
OTHER: PHX ATCT

RADIO FIX AND HOLDING DATA RECORD

NAME: TYLIK **STATE:** AZ **COUNTRY:** US

LATITUDE/LONGITUDE: 331819.63N/1112835.38W **TYPE:** WP

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

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	RNAV (RNP) Z RWY 30C			KIWA	PHOENIX	AZ (US)
STAR	HUUTY (RNAV)			KCHD	CHANDLER	AZ (US)
STAR	HUUTY (RNAV)			KFFZ	MESA	AZ (US)
STAR	HUUTY (RNAV)			KIWA	PHOENIX	AZ (US)

REQUIRED CHARTING: IAP, STAR

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG **DATE OF REVISION:** 05/31/2012

DEVELOPED BY: **DATE:** 09/09/2011 **OFFICE:** AJV-354 **NAME:** JACOB POWERS

APPROVED BY: **DATE:** **OFFICE:** AJV-354 **NAME:** DEZ SILAGYI

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: WST
ARTCC: ZAB
ATC FACILITY: PHX TRACON
OTHER:

QUALITY CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: TYYNE **STATE:** AZ **COUNTRY:** US

LATITUDE/LONGITUDE: 343018.10N/1104121.34W **TYPE:** WP

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

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
STAR	HUUTY (RNAV)			KCHD	CHANDLER	AZ (US)
STAR	HUUTY (RNAV)			KFFZ	MESA	AZ (US)
STAR	HUUTY (RNAV)			KIWA	PHOENIX	AZ (US)

REQUIRED CHARTING: STAR

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG **DATE OF REVISION:** 04/05/2012

DEVELOPED BY: **DATE:** 10/25/2011 **OFFICE:** AJV-354 **NAME:** DAVID DOWLING

APPROVED BY: **DATE:** **OFFICE:** AJV-354 **NAME:** DEZ SILAGYI

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: WST
ARTCC: ZAB
ATC FACILITY: PHX APP CON
OTHER: PHX ATCT

RADIO FIX AND HOLDING DATA RECORD

NAME: WILLIE VORTAC **STATE:** AZ **COUNTRY:** US

LATITUDE/LONGITUDE: 331811.36N/1113905.15W **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	WILLIE	IWA	VORTAC	L							45000

FIX RESTRICTIONS:
SPECIAL PHOENIX, KIWA, PHOENIX, AZ

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	S	IWA	VORTAC	180.00	360.00	R	1-1 1/2		5000	17500	5	16
2	S		WP	180.00	360.00	R		5	5000	8000	6	9
3	NE		WP	035.20	215.20	L		7	7000	10000	9	10

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	AAO	331027.80N/1114231.78W	3304	2A
1	310	AAO	331027.80N/1114231.78W	3304	2A
2	200	AAO	331027.80N/1114231.78W	3304	2A
3	230	AAO	332451.70N/1112328.80W	5257	4E

PRECIPITOUS TERRAIN ADDITIONS:

PAT	SPEED	ADDITION
3	230	98

REASON FOR NONSTANDARD HOLDING:
PAT 3 ATC REQUEST.

HOLDING RESTRICTIONS:
HOLDING LIMITED TO ESTABLISHED PATTERNS.

PROCEDURES REQUIRING CLIMB-IN-HOLD:

PAT	PROCEDURE TITLE	AIRPORT IDENT	CITY	STATE
1	ILS OR LOC RWY 30C	KIWA	PHOENIX	AZ (US)
1	VOR OR TACAN RWY 30C	KIWA	PHOENIX	AZ (US)

REMARKS:
PRECIPITOUS TERRAIN EVALUATION COMPLETED.
PRIOR COORDINATION WITH R-2310B/C CONTROLLING AGENCY REQUIRED FOR 310K HOLDING AT OR ABOVE 16,000 MSL.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	PHOENIX			KIWA	PHOENIX	AZ (US)
DP	MAXXO			KPHX	PHOENIX	AZ (US)
DP	WLDKT (RNAV)			KTUS	TUCSON	AZ (US)
IAP	VOR RWY 4R			KCHD	CHANDLER	AZ (US)
IAP	VOR OR GPS-A			KP19	CHANDLER	AZ (US)
IAP	NDB OR GPS-A			KFFZ	MESA	AZ (US)
IAP	ILS OR LOC RWY 30C		1	KIWA	PHOENIX	AZ (US)
IAP	VOR OR TACAN RWY 30C		1	KIWA	PHOENIX	AZ (US)
IAP	ILS OR LOC RWY 25L			KPHX	PHOENIX	AZ (US)
IAP	ILS OR LOC RWY 26			KPHX	PHOENIX	AZ (US)
IAP	ILS OR LOC/DME RWY 7L (ALT MISSSED)	1	1	KPHX	PHOENIX	AZ (US)
IAP	RNAV (GPS) Y RWY 25L			KPHX	PHOENIX	AZ (US)
IAP	RNAV (GPS) Y RWY 25R			KPHX	PHOENIX	AZ (US)
IAP	RNAV (GPS) Y RWY 26			KPHX	PHOENIX	AZ (US)
IAP	RNAV (GPS) Y RWY 7L		2	KPHX	PHOENIX	AZ (US)
IAP	RNAV (GPS) Y RWY 7R		2	KPHX	PHOENIX	AZ (US)
IAP	RNAV (GPS) Y RWY 8		2	KPHX	PHOENIX	AZ (US)
IAP	RNAV (RNP) Z RWY 7L		2	KPHX	PHOENIX	AZ (US)
IAP	RNAV (RNP) Z RWY 7R		2	KPHX	PHOENIX	AZ (US)
IAP	RNAV (RNP) Z RWY 8		2	KPHX	PHOENIX	AZ (US)
IAP	VOR-C			KSDL	SCOTTSDALE	AZ (US)
STAR	ARLIN			KCHD	CHANDLER	AZ (US)
STAR	BLYTHE			KCHD	CHANDLER	AZ (US)
STAR	HUUTY (RNAV)		3	KCHD	CHANDLER	AZ (US)
STAR	SUNSS			KCHD	CHANDLER	AZ (US)
STAR	ARLIN			KP19	CHANDLER	AZ (US)
STAR	BLYTHE			KP19	CHANDLER	AZ (US)
STAR	SUNSS			KP19	CHANDLER	AZ (US)

QUALITY 5 CHECKED

STAR	SUNSS		KGEU	GLENDALE	AZ (US)
STAR	SUNSS		KGYR	GOODYEAR	AZ (US)
STAR	ARLIN		KFFZ	MESA	AZ (US)
STAR	BLYTHE		KFFZ	MESA	AZ (US)
STAR	HUUTY (RNAV)	3	KFFZ	MESA	AZ (US)
STAR	SUNSS		KFFZ	MESA	AZ (US)
STAR	ARLIN		KDVT	PHOENIX	AZ (US)
STAR	BLYTHE		KDVT	PHOENIX	AZ (US)
STAR	SUNSS		KDVT	PHOENIX	AZ (US)
STAR	ARLIN		KIWA	PHOENIX	AZ (US)
STAR	BLYTHE		KIWA	PHOENIX	AZ (US)
STAR	HUUTY (RNAV)	3	KIWA	PHOENIX	AZ (US)
STAR	SUNSS		KIWA	PHOENIX	AZ (US)
STAR	ARLIN		KPHX	PHOENIX	AZ (US)
STAR	BLYTHE		KPHX	PHOENIX	AZ (US)
STAR	EAGUL (RNAV)		KPHX	PHOENIX	AZ (US)
STAR	MAIER (RNAV)		KPHX	PHOENIX	AZ (US)
STAR	SUNSS		KPHX	PHOENIX	AZ (US)
STAR	ARLIN		KSDL	SCOTTSDALE	AZ (US)
STAR	BLYTHE		KSDL	SCOTTSDALE	AZ (US)
STAR	SUNSS		KSDL	SCOTTSDALE	AZ (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 8 **DATE OF REVISION:** 04/05/2012

REASON FOR REVISION:
ADDED PAT 3.
UPDATED REMARKS.
UPDATED FIX USE.

DEVELOPED BY: **DATE:** 12/18/2011 **OFFICE:** AJV-354 **NAME:** DAVID DOWLING

APPROVED BY: **DATE:** **OFFICE:** AJV-354 **NAME:** DEZ SILAGYI

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: WST
ARTCC: ZAB
ATC FACILITY: PHX
OTHER:

RADIO FIX AND HOLDING DATA RECORD

NAME: WINSLOW VORTAC **STATE:** AZ **COUNTRY:** US

LATITUDE/LONGITUDE: 350341.76N/1104742.07W **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	WINSLOW	INW	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	W	INW	VORTAC	278.00	098.00	L	1-1 1/2		7000	17500	8	16
2	NE	INW	VORTAC	061.00	241.00	L	1-1 1/2		8000	17500	8	16
3	N		WP	338.07	158.07	R		11	20000	45000	18	30

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
UPN	265	AAO	344116.10N/1105022.70W	7145	1C
1	230	AAO	350436.00N/1110151.00W	5657	4E
2	210	AAO	350754.00N/1103012.00W	5591	4E

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

HOLDING RESTRICTIONS:
UNPLANNED HOLDING AUTHORIZED AT OR ABOVE 14500.
PAT 2 CHART 210K ICON.
HOLDING LIMITED TO ESTABLISHED PATTERNS.

REMARKS:
PRECIPITOUS TERRAIN EVALUATION COMPLETED.
PAT 3 IN HIGH ALTITUDE STRATUM--OBSTACLE EVALUATION NOT CONDUCTED.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	RIMMM (RNAV)			KPHX	PHOENIX	AZ (US)
DP	SILOW			KPHX	PHOENIX	AZ (US)
DP	VANZZ (RNAV)			KPHX	PHOENIX	AZ (US)
DP	JONHH			KSDL	SCOTTSDALE	AZ (US)
DP	FLAMZ (RNAV)			KHND	LAS VEGAS	NV (US)
DP	COWBY (RNAV)			KLAS	LAS VEGAS	NV (US)
EN ROUTE	J108					(US)
EN ROUTE	J44					(US)
EN ROUTE	J86					(US)
EN ROUTE	V12					(US)
EN ROUTE	V264					(US)
EN ROUTE	V291					(US)
EN ROUTE	V567					(US)
EN ROUTE	V572					(US)
EN ROUTE	V95					(US)
EN ROUTE	V12-264					AZ (US)
IAP	VOR OR GPS RWY 11		1	KINW	WINSLOW	AZ (US)
STAR	HUUTY (RNAV)			KCHD	CHANDLER	AZ (US)
STAR	HUUTY (RNAV)			KFFZ	MESA	AZ (US)
STAR	HUUTY (RNAV)			KIWA	PHOENIX	AZ (US)
STAR	BUNTR			KPHX	PHOENIX	AZ (US)
STAR	EAGUL (RNAV)			KPHX	PHOENIX	AZ (US)
STAR	JESSE		2	KPHX	PHOENIX	AZ (US)
STAR	JCOBS			KSDL	SCOTTSDALE	AZ (US)

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

COMPULSORY REPORTING POINT: LOW

RECORD REVISION NUMBER: 13 **DATE OF REVISION:** 05/31/2012

REASON FOR REVISION:
ADDED PAT 3.
UPDATED HOLDING RESTRICTIONS AND REMARKS.
CHANGED UPN ACCURACY CODE FROM 6A TO 1C.
UPDATED FIX USE.

QUALITY 5 CHECKED

DEVELOPED BY:	**DATE:** 10/25/2011	**OFFICE:** AJV-354	**NAME:** DAVID DOWLING
APPROVED BY:	**DATE:**	**OFFICE:** AJV-354	**NAME:** DEZ SILAGYI
	SIGNATURE:		

DISTRIBUTION:
NFDC
FPO: WST
ARTCC: ZAB
ATC FACILITY: PHX APP CON
OTHER: PHX ATCT

QUALITY CHECKED 5

RADIO FIX AND HOLDING DATA RECORD

NAME: ZUNI VORTAC **STATE:** NM **COUNTRY:** US

LATITUDE/LONGITUDE: 345756.71N/1090916.23W **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	ZUNI	ZUN	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	SW	ZUN	VORTAC	233.33	053.33	R	1		9000	14000	9	10
2	SW		WP	237.33	057.33	R		6	9000	12000	10	10
3	E	ZUN	VORTAC	073.01	253.01	L	1 1/2		18000	39000	16	27
4	E		WP	073.01	253.01	L		10	18000	39000	18	29
5	NE		WP	033.41	213.41	L		11	20000	45000	18	30

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	230	AAO	350051.70N/1090746.40W	6908	6A
2	230	AAO	345939.00N/1092209.00W	6920	4E
3	265	AAO	345503.00N/1084245.00W	7635	4E
4	265	AAO	345436.00N/1083900.00W	7809	4E

REASON FOR NONSTANDARD HOLDING:
PAT 4 ATC REQUEST
PAT 3 ATC REQUEST
PAT 5 ATC REQUEST

HOLDING RESTRICTIONS:
HOLDING LIMITED TO ESTABLISHED PATTERNS.

REMARKS:
CHART 210KT ICON ON JESSE STAR HOLDING PATTERN.
PRECIPITOUS TERRAIN EVALUATION COMPLETED.
KPHX MAG VAR: 12E
KIWA MAG VAR USED FOR PAT 5: 13E.
PAT 5 OBSTACLE EVALUATION NOT CONDUCTED DUE TO HIGH ALTITUDE HOLDING.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	DIVERSE DEP			KABQ	ALBUQUERQUE	NM (US)
DP	BLACK ROCK			KZUN	ZUNI PUEBLO	NM (US)
DP	DIVERSE DEP			KZUN	ZUNI PUEBLO	NM (US)
EN ROUTE	J102					NM (US)
EN ROUTE	J19					NM (US)
EN ROUTE	J244					NM (US)
EN ROUTE	J6		3			NM (US)
EN ROUTE	J78		3			NM (US)
EN ROUTE	V12					NM (US)
EN ROUTE	V421					NM (US)
IAP	HUUTY (RNAV)		5	KCHD	CHANDLER	AZ (US)
IAP	RNAV (GPS) RWY 6		2	KZUN	ZUNI PUEBLO	NM (US)
IAP	VOR/DME RWY 6		1	KZUN	ZUNI PUEBLO	NM (US)
STAR	HUUTY (RNAV)		5	KCHD	CHANDLER	AZ (US)
STAR	HUUTY (RNAV)		5	KFFZ	MESA	AZ (US)
STAR	HUUTY (RNAV)		5	KIWA	PHOENIX	AZ (US)
STAR	BUNTR		3	KPHX	PHOENIX	AZ (US)
STAR	EAGUL (RNAV)		4	KPHX	PHOENIX	AZ (US)
STAR	JESSE		3	KPHX	PHOENIX	AZ (US)
STAR	LAVAN			KABQ	ALBUQUERQUE	NM (US)

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

COMPULSORY REPORTING POINT: LOW

RECORD REVISION NUMBER: 10 **DATE OF REVISION:** 04/05/2012

REASON FOR REVISION:
ADDED PAT 5.
ADDED KIWA MAG VAR AND OBSTACLE EVALUATION REMARKS.
UPDATED FIX USE.

QUALITY CHECKED

DEVELOPED BY:	**DATE:**	**OFFICE:** AJV-354	**NAME:** DAVID DOWLING
APPROVED BY:	**DATE:**	**OFFICE:** AJV-354	**NAME:** DEZ SILAGYI
	SIGNATURE:		

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