U.S. DEPARTMENT of TRANSPORTATION – FEDERAL AVIATION ADMINISTRATION

GRAPHIC DEPARTURE PROCEDURE (DP)

Bearings, headings, courses, tracks, and radials are magnetic. Elevation and altitudes are in feet MSL. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles. Visibilities are in statue miles or feet RVR unless otherwise indicated. Graphic depictions attached.

DP Name	Number	DP Computer Code	Superseded Number	Dated	Effective Date
MAXXO	TWO	MAXXO2.MAXXO	ONE	09/04/2003	

TYPE: SID

DP ROUTE DESCRIPTION:

TAKEOFF RWY 8: CLIMB HEADING 078.06 TO 1550, THEN CLIMBING RIGHT TURN HEADING 080.00, AT 4.00 DME EAST OF PXR VORTAC, CLIMBING RIGHT TURN HEADING 100.00. THENCE...
TAKEOFF RWY 7L: CLIMB HEADING 078.04 TO 1550, THEN CLIMBING LEFT TURN HEADING 075.00, AT 4.00 DME EAST OF PXR VORTAC, CLIMBING RIGHT TURN HEADING 100.00. THENCE...
TAKEOFF RWY 7R: CLIMB HEADING 078.03 TO 1550, THEN CLIMBING LEFT TURN HEADING 070.00, AT 4.00 DME EAST OF PXR VORTAC, CLIMBING RIGHT TURN HEADING 100.00. THENCE...
TAKEOFF RWY 25L: CLIMB HEADING 258.04 TO 1550, THEN CLIMBING LEFT TURN HEADING 240.00, AT 9.00 DME WEST OF PXR VORTAC, CLIMBING LEFT TURN HEADING 140.00. THENCE...
TAKEOFF RWY 25R: CLIMB HEADING 258.05 TO 1550, THEN CLIMBING LEFT TURN HEADING 240.00. AT 9.00 DME WEST OF PXR VORTAC, CLIMBING LEFT TURN HEADING 140.00.THENCE...
TAKEOFF RWY 26: CLIMB HEADING 258.08 TO 1550, THEN CLIMBING LEFT TURN HEADING 240.00. AT 9.00 DME WEST OF PXR VORTAC, CLIMBING LEFT TURN HEADING 140.00. THENCE...

... MAINTAIN 8000, EXPECT RADAR VECTORS TO PXR R-070 TO GILAA/PXR 54.66 DME, THEN PILOT NAV ON IWA R-055 TO ADYAN/IWA 95.00 DME, CROSS ADYAN AT OR ABOVE 14000 AND PROCEED ON RADAR VECTOR 055° TO JOIN SJN R-078/CNX R-259 TO MAXXO/CNX 50.61 DME; THEN VIA (TRANSITION). EXPECT FILED ALTITUDE 3 MINUTES AFTER DEPARTURE

TRANSITION ROUTES (GRAPHIC DEPICTION ONLY):

Transition Name	Transition Computer Codes	From FIX/NAVAID	To FIX/NAVAID	Course	Distance	MEA	MOCA	Crossing Altitudes/Fixes
ANTON CHICO	MAXXO2.ACH	MAXXO INT	ACH VORTAC	048.76 (ONM R-049, ACH R-231)	92.50	12500	12500	
CORONA	MAXXO2.CNX	MAXXO INT	CNX VORTAC	079.12 (CNX R-259)	50.61	9900	9900	

GRAPHIC DEPARTURE PROCEDURE (DP)

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DP Name	Number	DP Computer Code	Superseded Number	Dated	Effective Date
MAXXO	TWO	MAXXO2.MAXXO	ONE	09/04/2003	

PROCEDURAL DATA NOTES/TAKEOFF MINIMUMS:

TAKEOFF MINIMUMS: RWY 7L/7R/8: STANDARD WITH MINIMUM CLIMB OF 350' PER NM TO 8000.
RWY 25L/25R/26: STANDARD WITH MINIMUM CLIMB OF 350' PER NM TO 8000.

NOTE: RESTRICTED TO TURBOJET AND TURBOPROP AIRCRAFT ONLY.
NOTE: RADAR AND DME REQUIRED.
NOTE: AIRCRAFT FILING OVER ACH, CNX, IRW, LBL, ONM, PNH, TCC, AND TXO, USE MAXXO DEPARTURE.
NOTE: AIRCRAFT FILING OVER SJN, ABQ, AND GCK USE ST. JOHNS DEPARTURE.
NOTE: AIRCRAFT FILING OVER DEN, ALS AND POINTS NORTH OF ALS USE SILOW DEPARTURE.
NOTE: MRA CHOPR/PXR 40 DME 9100 TO RECEIVE PXR.
NOTE: MRA GILAA/PXR 55 DME 14000 TO RECEIVE PXR AND IWA.
NOTE: MRA ADYAN/IWA 95 DME FL240 TO RECEIVE IWA.

TAKEOFF OBSTACLES NOTES:

NOTE: RWY 7R, MULTIPLE TRANSMISSION TOWERS, 3202 FT FROM DER, 1122 FT LEFT OF CENTERLINE, UP TO 125 FT AGL/1260 FT MSL.
NOTE: RWY 8, MULTIPLE LT POLES, BEGINNING 2540 FT FROM DER, 900 FT LEFT OF CENTERLINE, UP TO 100 FT AGL/1234 FT MSL. LT POLE, 1640 FT FROM DER, 794 FT RIGHT OF CENTERLINE, 42 FT AGL/1177 FT MSL.
NOTE: RWY 25L, MULTIPLE LT POLES, BEGINNING 682 FT FROM DER, 521 FT LEFT OF CENTERLINE, UP TO 90 FT AGL/1201 FT MSL. SIGN, 902 FT FROM DER, 711 FT LEFT OF CENTERLINE, 59 FT AGL/1170 FT MSL.
NOTE; RWY 25R, TREE, 1036 FT FROM DER, 666 FT RIGHT OF CENTERLINE, 30 FT AGL/1140 FT MSL.
NOTE: RWY 26, MULTIPLE ELECTRICAL SYSTEMS, BEGINNING 43 FT FROM DER, 450 FT LEFT AND RIGHT OF CENTERLINE, UP TO 33 FT AGL/1142 FT MSL. MULTIPLE TREES, BEGINNING 118 FT FROM DER, 214 FT RIGHT OF CENTERLINE, UP TO 24 FT AGL/1133 FT MSL. OBSTACLE LT ON BLAST FENCE, 176 FT FROM DER, 547 FT LEFT OF CENTERLINE, 9 FT AGL/1120 FT MSL. SIGN, 520 FT FROM DER, 567 FT RIGHT OF CENTERLINE, 14 FT AGL/1125 FT MSL. POLE, 82 FT FROM DER, 64 FT RIGHT OF CENTERLINE, 18 FT AGL/1127 FT MSL. MULTIPLE LT POLES, BEGINNING 315 FT FROM DER, BEGINNING 318 FT LEFT OF CENTERLINE, UP TO 60 FT AGL/1170 FT MSL. MULTIPLE LT POLES, BEGINNING 2302 FT FROM DER, BEGINNING 193 FT RIGHT OF CENTERLINE, UP TO 60 FT AGL/1171 FT MSL.

CONTROLLING OBSTACLES:

LOST COMMUNICATIONS PROCEDURES:

EXPECT FILED ALTITUDE 3 MINUTES AFTER DEPARTURE.

ADDITIONAL FLIGHT DATA:

CHART: J142, J74

AIRPORTS SERVED:

PHOENIX SKY HARBOR INTL	PHOENIX, AZ

QUALITY CHECKED

COMMUNICATIONS:

GRAPHIC DEPARTURE PROCEDURE (DP)

Bearings, headings, courses, tracks, and radials are magnetic. Elevation and altitudes are in feet MSL. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles. Visibilities are in statue miles or feet RVR unless otherwise indicated. Graphic depictions attached.

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MAXXO	TWO	MAXXO2.MAXXO	ONE	09/04/2003	

ATIS, CLNC DEL, GND CON (NORTH)(SOUTH), PHOENIX TOWER, PHOENIX DEP CON.

FIXES AND/OR NAVAIDS:

BAYTA, CHOPR, IWA VORTAC, DRYHT INT.

REMARKS:

QUALITY CHECKED

U.S. DEPARTMENT of TRANSPORTATION – FEDERAL AVIATION ADMINISTRATION

GRAPHIC DEPARTURE PROCEDURE (DP)

Bearings, headings, courses, tracks, and radials are magnetic. Elevation and altitudes are in feet MSL. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles. Visibilities are in statue miles or feet RVR unless otherwise indicated. Graphic depictions attached.

DP Name	Number	DP Computer Code	Superseded Number	Dated	Effective Date
MAXXO	TWO	MAXXO2.MAXXO	ONE	09/04/2003	

FLIGHT INSPECTED BY:

REQUIRED EFFECTIVE DATE:

ROUTINE

DEVELOPED BY:

JOHN WALKER AJV-354 03/05/2012

APPROVED BY:

DEZ SILAGYI AJV-354

COORDINATED WITH:

ATA, ALPA, APA, AOPA, NBAA, ZAB, PHX TRACON, APT MGR, AZ ST AERO DIR.

CHANGES:

1. CHANGED CLIMB TO ALTITUDE FROM 7000 TO 8000.
2. CHANGED MEA FROM MAXXO INT TO ACH VORTAC FROM 11500 TO 12500.
3. ADDED MOCA ALTITUDES TO ANTON CHICO AND CORONA TRANSITIONS.

REASONS:

1, ATC REQUEST.
2. NEW OBSTACLE
3. 8260-46D, SECTION

THIS IS A CORRECTED COPY OF THE FORM DEVELOPED ON 03/05/12.

1. CHANGED NOTE: "AIRCRAFT FILING OVER ACH, CNX, GAG, IRW, LBL, ONM, PNH, TCC, AND TXO, USE MAXXO DEPARTURE." TO "AIRCRAFT FILING OVER ACH, CNX, IRW, LBL, ONM, PNH, TCC, AND TXO, USE MAXXO DEPARTURE."
2. CHANGED NOTE: "AIRCRAFT FILING OVER FMN, DEN, ALS AND POINTS NORTH OF ALS USE SILOW DEPARTURE." TO "AIRCRAFT FILING OVER DEN, ALS AND POINTS NORTH OF ALS USE SILOW DEPARTURE."

DEPARTURE (DATA RECORD)

DP Name	Number	DP Computer Code	Superseded Number	Dated	Effective Date
MAXXO	TWO	MAXXO2.MAXXO	ONE	09/04/2003	

ARINC PACKET - 424-18 - SID

```
                 1         2         3         4         5         6         7         8         9         0         1         2         3
NAVAID  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAD         ACH    K2011780VTH  N35064219W105022379    N35064219W105022379E0120054452      NARANTON CHICO
        SUSAD         CNX    K2011550VTHA N34220126W105404082    N34220126W105404082E0130064122      NARCORONA
        SUSAD         PXR    K2011560VTHW N33255887W111581272    N33255887W111581272E0120011822      NARPHOENIX

                 1         2         3         4         5         6         7         8         9         0         1         2         3
WP      12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAEAENRT    ADYAN K20    C     N33524515W109530746                    E0102     NAR           ADYAN
        SUSAEAENRT    BAYTA K20    C   H N33300476W111224112                    E0107     NAR           BAYTA
        SUSAEAENRT    CHOPR K20    C   H N33312446W111104985                    E0106     NAR           CHOPR
        SUSAEAENRT    DRYHT K20    R   H N34250323W108081044                    E0097     NAR           DRYHT
        SUSAEAENRT    GILAA K20    C     N33331929W110532626                    E0105     NAR           GILAA
        SUSAEAENRT    MAXXO K20    C   H N34233832W106414778                    E0091     NAR           MAXXO

                 1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KPHXK2APHX      0     114YHN33260340W112004170E012001135         1800018000C     MNAR     PHOENIX SKY HARBOR INTL

                 1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KPHXK2DMAXXO21RW07L 010          0        VA                      0780        + 01550     18000
        SUSAP KPHXK2DMAXXO21RW07L 020          0        VD PXR K2               07500040D
        SUSAP KPHXK2DMAXXO21RW07L 030          0        VM                      1000
        SUSAP KPHXK2DMAXXO21RW07L 040BAYTAK2EA0E        CF PXR K2       0700030007000260D
        SUSAP KPHXK2DMAXXO21RW07L 050CHOPRK2EA0E        TF                      0700
        SUSAP KPHXK2DMAXXO21RW07L 060GILAAK2EA0EE       TF                      0700
        SUSAP KPHXK2DMAXXO21RW07R 010          0        VA                      0780        + 01550     18000
        SUSAP KPHXK2DMAXXO21RW07R 020          0        VD PXR K2               07000040D
        SUSAP KPHXK2DMAXXO21RW07R 030          0        VM                      1000
        SUSAP KPHXK2DMAXXO21RW07R 040BAYTAK2EA0E        CF PXR K2       0700030007000260D
        SUSAP KPHXK2DMAXXO21RW07R 050CHOPRK2EA0E        TF                      0700
        SUSAP KPHXK2DMAXXO21RW07R 060GILAAK2EA0EE       TF                      0700
        SUSAP KPHXK2DMAXXO21RW08  010          0        VA                      0781        + 01550     18000
        SUSAP KPHXK2DMAXXO21RW08  020          0        VD PXR K2               08000040D
        SUSAP KPHXK2DMAXXO21RW08  030          0        VM                      1000
        SUSAP KPHXK2DMAXXO21RW08  040BAYTAK2EA0E        CF PXR K2       0700030007000260D
        SUSAP KPHXK2DMAXXO21RW08  050CHOPRK2EA0E        TF                      0700
        SUSAP KPHXK2DMAXXO21RW08  060GILAAK2EA0EE       TF                      0700
        SUSAP KPHXK2DMAXXO21RW25L 010          0        VA                      2580        + 01550     18000
```

QUALITY 1 CHECKED

DEPARTURE (DATA RECORD)

DP Name	Number	DP Computer Code	Superseded Number	Dated	Effective Date
MAXXO	TWO	MAXXO2.MAXXO	ONE	09/04/2003	

```
SUSAP KPHXK2DMAXXO21RW25L 020         0       VD PXR K2            24000090D
SUSAP KPHXK2DMAXXO21RW25L 030         0    L  VMY                  1400
SUSAP KPHXK2DMAXXO21RW25L 040BAYTAK2EA0E      CF PXR K2      0700030007000300D
SUSAP KPHXK2DMAXXO21RW25L 050CHOPRK2EA0E      TF                   0700
SUSAP KPHXK2DMAXXO21RW25L 060GILAAK2EA0EE     TF                   0700
SUSAP KPHXK2DMAXXO21RW25R 010         0       VA                   2581       + 01550     18000
SUSAP KPHXK2DMAXXO21RW25R 020         0       VD PXR K2            24000090D
SUSAP KPHXK2DMAXXO21RW25R 030         0    L  VMY                  1400
SUSAP KPHXK2DMAXXO21RW25R 040BAYTAK2EA0E      CF PXR K2      0700030007000300D
SUSAP KPHXK2DMAXXO21RW25R 050CHOPRK2EA0E      TF                   0700
SUSAP KPHXK2DMAXXO21RW25R 060GILAAK2EA0EE     TF                   0700
SUSAP KPHXK2DMAXXO21RW26  010         0       VA                   2581       + 01550     18000
SUSAP KPHXK2DMAXXO21RW26  020         0       VD PXR K2            24000090D
SUSAP KPHXK2DMAXXO21RW26  030         0    L  VMY                  1400
SUSAP KPHXK2DMAXXO21RW26  040BAYTAK2EA0E      CF PXR K2      0700030007000300D
SUSAP KPHXK2DMAXXO21RW26  050CHOPRK2EA0E      TF                   0700
SUSAP KPHXK2DMAXXO21RW26  060GILAAK2EA0EE     TF                   0700
SUSAP KPHXK2DMAXXO22      010GILAAK2EA0E      IF                                        18000
SUSAP KPHXK2DMAXXO22      020ADYANK2EA0E      TF                   0550       + 14000
SUSAP KPHXK2DMAXXO22      030DRYHTK2EA0E      TF                   0550
SUSAP KPHXK2DMAXXO22      040MAXXOK2EA0EE     TF                   0780
SUSAP KPHXK2DMAXXO23ACH   010MAXXOK2EA0E      IF                                        18000
SUSAP KPHXK2DMAXXO23ACH   020ACH  K2D 0VE     TF                04880925
SUSAP KPHXK2DMAXXO23CNX   010MAXXOK2EA0E      IF                                        18000
SUSAP KPHXK2DMAXXO23CNX   020CNX  K2D 0VE     TF                07910506
```

```
                1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------
SUSAP KPHXK2GRW07L   0103000780 N33255181W112013756+0200    +0308501110000057150IIPHX1
SUSAP KPHXK2GRW07R   0078000780 N33254389W112013757+0200    +0308801111000057150IIAHA1
SUSAP KPHXK2GRW08    0114890781 N33262709W112013666+0200    +0309301113089854150IISYQ1
SUSAP KPHXK2GRW25L   0078002580 N33254384W112000554-0200    +0313501126000044150IIRJG1
SUSAP KPHXK2GRW25R   0103002581 N33255173W111593605-0200    +0315901134000055150R
SUSAP KPHXK2GRW26    0114892581 N33262696W111593169-0200    +0316101135000054150IICWJ1
```

DEPARTURE (DATA RECORD)

DP Name	Number	DP Computer Code	Superseded Number	Dated	Effective Date
MAXXO	TWO	MAXXO2.MAXXO	ONE	09/04/2003	

ARINC SUMMARY - 424-18 - SID

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
	RW07L		010		VA		FB		078.0()		AA 01550	
	RW07L		020		VD		FB		075.0()	004.0		
	RW07L		030		VM		FB		100.0()			
	RW07L	BAYTA	040		CF		FB		070.0()	026.0		
	RW07L	CHOPR	050		TF		FB		070.0()			
	RW07L	GILAA	060		TF		FB		070.0()			
	RW07R		010		VA		FB		078.0()		AA 01550	
	RW07R		020		VD		FB		070.0()	004.0		
	RW07R		030		VM		FB		100.0()			
	RW07R	BAYTA	040		CF		FB		070.0()	026.0		
	RW07R	CHOPR	050		TF		FB		070.0()			
	RW07R	GILAA	060		TF		FB		070.0()			
	RW08		010		VA		FB		078.1()		AA 01550	
	RW08		020		VD		FB		080.0()	004.0		
	RW08		030		VM		FB		100.0()			
	RW08	BAYTA	040		CF		FB		070.0()	026.0		
	RW08	CHOPR	050		TF		FB		070.0()			
	RW08	GILAA	060		TF		FB		070.0()			
	RW25L		010		VA		FB		258.0()		AA 01550	
	RW25L		020		VD		FB		240.0()	009.0		
	RW25L		030		VM	L	FB		140.0()			
	RW25L	BAYTA	040		CF		FB		070.0()	030.0		
	RW25L	CHOPR	050		TF		FB		070.0()			
	RW25L	GILAA	060		TF		FB		070.0()			
	RW25R		010		VA		FB		258.1()		AA 01550	
	RW25R		020		VD		FB		240.0()	009.0		
	RW25R		030		VM	L	FB		140.0()			
	RW25R	BAYTA	040		CF		FB		070.0()	030.0		
	RW25R	CHOPR	050		TF		FB		070.0()			
	RW25R	GILAA	060		TF		FB		070.0()			
	RW26		010		VA		FB		258.1()		AA 01550	
	RW26		020		VD		FB		240.0()	009.0		
	RW26		030		VM	L	FB		140.0()			
	RW26	BAYTA	040		CF		FB		070.0()	030.0		
	RW26	CHOPR	050		TF		FB		070.0()			
	RW26	GILAA	060		TF		FB		070.0()			
		GILAA	010		IF		FB					
		ADYAN	020		TF		FB		055.0()		AA 14000	
		DRYHT	030		TF		FB		055.0()			
		MAXXO	040		TF		FB		078.0()			
	ACH	MAXXO	010		IF		FB					
	ACH	ACH	020		TF		FB		048.8()	092.5		

QUALITY CHECKED

DEPARTURE (DATA RECORD)

DP Name	Number	DP Computer Code	Superseded Number	Dated	Effective Date
MAXXO	TWO	MAXXO2.MAXXO	ONE	09/04/2003	

	CNX	MAXXO	010	IF	FB		
	CNX	CNX	020	TF	FB	079.1()	050.6

POINT DATA

WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
ACH	N350642.19	W1050223.79	N3506.703	W10502.397
CNX	N342201.26	W1054040.82	N3422.021	W10540.680
PXR	N332558.87	W1115812.72	N3325.981	W11158.212
ADYAN	N335245.15	W1095307.46	N3352.753	W10953.124
BAYTA	N333004.76	W1112241.12	N3330.079	W11122.685
CHOPR	N333124.46	W1111049.85	N3331.408	W11110.831
DRYHT	N342503.23	W1080810.44	N3425.054	W10808.174
GILAA	N333319.29	W1105326.26	N3333.322	W11053.438
MAXXO	N342338.32	W1064147.78	N3423.639	W10641.796
RW07L	N332551.81	W1120137.56	N3325.864	W11201.626
RW07R	N332543.89	W1120137.57	N3325.732	W11201.626
RW08	N332627.09	W1120136.66	N3326.452	W11201.611
RW25L	N332543.84	W1120005.54	N3325.731	W11200.092
RW25R	N332551.73	W1115936.05	N3325.862	W11159.601
RW26	N332626.96	W1115931.69	N3326.449	W11159.528

RUNWAY DATA

RWY	THRESHOLD ELEVATION	TCH
RW07L	01110	57
RW07R	01111	57
RW08	01113	54
RW25L	01126	44
RW25R	01134	55
RW26	01135	54

RADIO FIX AND HOLDING DATA RECORD

NAME: ADYAN **STATE:** AZ **COUNTRY:** US

LATITUDE/LONGITUDE: 335245.15N/1095307.46W **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	WILLIE	IWA	VORTAC	L	055.22	068.22	95.00	95.00		24000	33000

EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
IWA	VORTAC	R-055	95	24000	33000

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

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	MAXXO	1		KPHX	PHOENIX	AZ (US)

REQUIRED CHARTING: DP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 2 **DATE OF REVISION:** 07/26/2012

REASON FOR REVISION:
UPDATED FIX USE.
ADDED ESV DATA.
ADDED FAC1 DIST FROM FACILITY.
CHANGED FPO FROM LOS ANGELES INTERNATIONAL TO WESTERN.

DEVELOPED BY: **DATE:** 03/14/2012 **OFFICE:** AJV-354 **NAME:** JOHN WALKER

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

SIGNATURE:

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

RADIO FIX AND HOLDING DATA RECORD

NAME: MAXXO **STATE:** NM **COUNTRY:** US

LATITUDE/LONGITUDE: 342338.32N/1064147.78W **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	CORONA	CNX	VORTAC	H	259.12	272.12	50.61	50.61		14500	45000
2	SOCORRO	ONM	VORTAC	H	048.76	061.76	6.98	6.98		10000	45000

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

REMARKS:
CORONA (FAC1) AND SOCORRO (FAC2) USED TO ESTABLISH FIX COORDINATES.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	MAXXO	1, 2		KPHX	PHOENIX	AZ (US)
EN ROUTE	J142	2				(US)
EN ROUTE	J74	1				(US)

REQUIRED CHARTING: DP, CONTROLLER, EN ROUTE HIGH

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1 **DATE OF REVISION:** 07/26/2012

REASON FOR REVISION:
UPDATE FIX USE.
ADD FAC1 AND FAC2 DIST FROM FACILITY.
CHANGED FPO FROM LOS ANGELES INTERNATIONAL TO WESTERN.

DEVELOPED BY: **DATE:** 03/14/2012 **OFFICE:** AJV-354 **NAME:** JOHN WALKER

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

SIGNATURE:

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

QUALITY CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: ANTON CHICO VORTAC **STATE:** NM **COUNTRY:** US

LATITUDE/LONGITUDE: 350642.19N/1050223.79W **TYPE:**

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

INFO ONLY

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	ANTON CHICO	ACH	VORTAC	H							17500

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

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	MAXXO			KPHX	PHOENIX	AZ (US)
DP	TAFOY			KSAF	SANTA FE	NM (US)
EN ROUTE	V12					(US)
EN ROUTE	V234					(US)
EN ROUTE	V62					(US)
IAP	RNAV (GPS) RWY 2			KLVS	LAS VEGAS	NM (US)
IAP	RNAV (GPS) RWY 32			KLVS	LAS VEGAS	NM (US)
STAR	MIERA			KABQ	ALBUQUERQUE	NM (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1 **DATE OF REVISION:** 11/21/2001

REASON FOR REVISION:
1. UPDATED FIX USE.
2. UPDATED FORM.

DEVELOPED BY: **DATE:** **OFFICE:** AVN-120 **NAME:** JOHN PANNELL (RONALD CHASTAIN)

APPROVED BY: **DATE:** 11/21/2001 **OFFICE:** AVN-120 **NAME:** CAREN SYCH

SIGNATURE:

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

QUALITY CHECKED

RADIO FIX AND HOLDING DATA RECORD

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

LATITUDE/LONGITUDE: 333004.76N/1112241.12W **TYPE:** WP, DME

INFO ONLY

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	CHOPR (RNAV)			KPHX	PHOENIX	AZ (US)
DP	MAXXO	1		KPHX	PHOENIX	AZ (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 2 **DATE OF REVISION:** 05/31/2012

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 CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: CHOPR **STATE:** AZ **COUNTRY:** US

LATITUDE/LONGITUDE: 333124.46N/1111049.85W **TYPE:** WP, DME

INFO ONLY

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	40.00	40.00		13400	17500

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

REMARKS:
MRA 13400 BASED ON FLIGHT INSPECTION

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	CHOPR (RNAV)			KPHX	PHOENIX	AZ (US)
DP	MAXXO	1		KPHX	PHOENIX	AZ (US)

REQUIRED CHARTING: DP, CONTROLLER, EN ROUTE HIGH

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 2 **DATE OF REVISION:** 07/26/2012

REASON FOR REVISION:
REMOVED FACILITY 2.
UPDATED FIX USE.

DEVELOPED BY: **DATE:** 11/24/2010 **OFFICE:** AVN-130 **NAME:** EDWIN SIZEMORE

APPROVED BY: **DATE:** **OFFICE:** AVN-130 **NAME:** DEZ SILAGYI

SIGNATURE:

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

RADIO FIX AND HOLDING DATA RECORD

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

INFO ONLY

LATITUDE/LONGITUDE: 342201.26N/1054040.82W **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	CORONA	CNX	VORTAC	H							45000

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

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	MAXXO			KPHX	PHOENIX	AZ (US)
DP	ST. JOHNS			KPHX	PHOENIX	AZ (US)
DP	CORONA			KALM	ALAMOGORDO	NM (US)
DP	ALBUQUERQUE			KABQ	ALBUQUERQUE	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	WORTH			KTKI	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			KHQZ	MESQUITE	TX (US)
EN ROUTE	J15					(US)
EN ROUTE	J74					(US)
EN ROUTE	Q20					(US)
EN ROUTE	V263					(US)
EN ROUTE	V264					(US)
EN ROUTE	V291					(US)
EN ROUTE	V68					(US)
EN ROUTE	V83					(US)
STAR	MIERA			KABQ	ALBUQUERQUE	NM (US)

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

COMPULSORY REPORTING POINT: BOTH

RECORD REVISION NUMBER: 6 **DATE OF REVISION:** 04/05/2012

REASON FOR REVISION:
UPDATED FIX USE.
REMOVED ESV ON FILE REMARK.

DEVELOPED BY: **DATE:** 06/15/2011 **OFFICE:** AJV-353 **NAME:** JOSE ALFONSO (DAVID DANNER)

APPROVED BY: **DATE:** **OFFICE:** AJV-353 **NAME:** GREGORY YAMAMOTO

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: CEN
ARTCC: ZAB
ATC FACILITY:
OTHER:

QUALITY CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: DRYHT **STATE:** NM **COUNTRY:** US

LATITUDE/LONGITUDE: 342503.23N/1080810.44W **TYPE:** DME

INFO ONLY

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	SAINT JOHNS	SJN	VORTAC	H	078.16	090.16	50.00	50.00		13400	45000

EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
SJN	VORTAC	R-078	50	13400	45000

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

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	MAXXO	1		KPHX	PHOENIX	AZ (US)
EN ROUTE	J-74	1				(US)

REQUIRED CHARTING: DP, CONTROLLER, EN ROUTE HIGH

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1 **DATE OF REVISION:** 07/26/2012

REASON FOR REVISION:
ADDED ESV DATA.
UPDATED FIX USE.

DEVELOPED BY: **DATE:** 11/24/2010 **OFFICE:** AVN-130 **NAME:** EDWIN SIZEMORE

APPROVED BY: **DATE:** **OFFICE:** AVN-130 **NAME:** DEZ SILAGYI

SIGNATURE:

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

QUALITY CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: GILAA **STATE:** AZ **COUNTRY:** US

LATITUDE/LONGITUDE: 333319.29N/1105326.26W **TYPE:** WP, DME

INFO ONLY

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	54.66	54.66		14000	33000

EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
PXR	VORTAC	R-070	55	14000	15700

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

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	CHOPR (RNAV)			KPHX	PHOENIX	AZ (US)
DP	MAXXO	1		KPHX	PHOENIX	AZ (US)

REQUIRED CHARTING: DP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 2 **DATE OF REVISION:** 07/26/2012

REASON FOR REVISION:
REMOVED "BACK UP FACILITY" IWA VORTAC.
ADDED ESV DATA.
UPDATED FIX USE.

DEVELOPED BY: **DATE:** 11/24/2010 **OFFICE:** AVN-130 **NAME:** EDWIN SIZEMORE

APPROVED BY: **DATE:** **OFFICE:** AVN-130 **NAME:** DEZ SILAGYI

SIGNATURE:

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

QUALITY CHECKED

RADIO FIX AND HOLDING DATA RECORD

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

LATITUDE/LONGITUDE: 332558.87N/1115812.72W **TYPE:**

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

INFO ONLY

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							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	NE	PXR	VORTAC	054.00	234.00	R	1-1 1/2		4000	17500	4	16
2	S		WP	182.70	002.70	L		5	4200	17500	6	17
3	E	PXR	VORTAC	075.00	255.00	R	1-1 1/2		5000	17500	5	16
4	E		WP	075.00	255.00	R		5	5000	17500	6	17
5	S	PXR	VORTAC	163.00	343.00	L	1-1 1/2		4200	17500	5	16

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
UPN	200	TOWER (04-000299)	332003.00N/1120343.50W	3055	5D
UPN	265	AAO	332624.00N/1112657.00W	5082	4E
1	200	AAO	333112.60N/1115736.70W	2904	6A
2	200	TOWER (04-000299)	332003.00N/1120343.50W	3055	5D
3	200	AAO	333112.60N/1115736.70W	2904	4E
4	200	AAO	333112.60N/1115736.70W	2904	6A
5	200	TOWER (04-000299)	332003.00N/1120343.50W	3055	5D

REASON FOR NONSTANDARD HOLDING:
PAT 2 ATC REQUEST
PAT 5 ATC REQUEST

HOLDING RESTRICTIONS:
UNPLANNED HOLDING AUTHORIZED FOR 200K AND 230K AT OR ABOVE 5000.
UNPLANNED HOLDING AUTHORIZED FOR 265K AND 310K AT OR ABOVE 14000.

REMARKS:
PRECIPITOUS TERRAIN EVALUATION COMPLETED
HOLDING PATTERN 1 FOR ATC USE.
310K UNPLANNED HOLDING EVALUATED FOR MILITARY USE.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	MESA			KFFZ	MESA	AZ (US)
DP	TAKE-OFF MINIMUMS			KFFZ	MESA	AZ (US)
DP	DEERVALLEY			KDVT	PHOENIX	AZ (US)
DP	TAKE-OFF MINIMUMS			KDVT	PHOENIX	AZ (US)
DP	PHOENIX			KIWA	PHOENIX	AZ (US)
DP	BUCKEYE			KPHX	PHOENIX	AZ (US)
DP	CHILY			KPHX	PHOENIX	AZ (US)
DP	MAXXO			KPHX	PHOENIX	AZ (US)
DP	MOBIE			KPHX	PHOENIX	AZ (US)
DP	SILOW			KPHX	PHOENIX	AZ (US)
DP	ST JOHNS			KPHX	PHOENIX	AZ (US)
DP	STANFIELD			KPHX	PHOENIX	AZ (US)
DP	TAKEOFF MINIMUMS			KPHX	PHOENIX	AZ (US)
DP	JONHH			KSDL	SCOTTSDALE	AZ (US)
DP	MARICOPA			KSDL	SCOTTSDALE	AZ (US)
DP	SCOTTSDALE			KSDL	SCOTTSDALE	AZ (US)
DP	TAKE-OFF MINIMUMS			KSDL	SCOTTSDALE	AZ (US)
DP	TUCSON			KTUS	TUCSON	AZ (US)
EN ROUTE	J102					(US)
EN ROUTE	J11					(US)
EN ROUTE	J18					(US)
EN ROUTE	J19					(US)
EN ROUTE	J244					(US)
EN ROUTE	J44					(US)
EN ROUTE	J65					(US)
EN ROUTE	J92					(US)
EN ROUTE	T306					(US)
EN ROUTE	V105					(US)
EN ROUTE	V16					(US)
EN ROUTE	V190					(US)
EN ROUTE	V257					(US)
EN ROUTE	V327					(US)
EN ROUTE	V528					(US)
EN ROUTE	V562					(US)

QUALITY 9 CHECKED

EN ROUTE	V567				(US)
EN ROUTE	V95				(US)
IAP	NDB RWY 4R		KCHD	CHANDLER	AZ (US)
IAP	RNAV (GPS) RWY 4R		KCHD	CHANDLER	AZ (US)
IAP	VOR RWY 4R		KCHD	CHANDLER	AZ (US)
IAP	VOR OR GPS-A		KP19	CHANDLER	AZ (US)
IAP	RNAV (GPS) RWY 25L		KDVT	PHOENIX	AZ (US)
IAP	RNAV (GPS)-C		KDVT	PHOENIX	AZ (US)
IAP	ILS OR LOC RWY 30C		KIWA	PHOENIX	AZ (US)
IAP	RNAV (GPS) RWY 12C		KIWA	PHOENIX	AZ (US)
IAP	RNAV (GPS) RWY 12R		KIWA	PHOENIX	AZ (US)
IAP	RNAV (GPS) RWY 30L		KIWA	PHOENIX	AZ (US)
IAP	VOR OR TACAN RWY 30C		KIWA	PHOENIX	AZ (US)
IAP	FREEWAY VISUAL RWY 07L		KPHX	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 RWY 7R		KPHX	PHOENIX	AZ (US)
IAP	ILS OR LOC RWY 8		KPHX	PHOENIX	AZ (US)
IAP	ILS OR LOC/DME RWY 7L	3	KPHX	PHOENIX	AZ (US)
IAP	POWER PLANT VISUAL RWY 25R		KPHX	PHOENIX	AZ (US)
IAP	RIVER VISUAL RWY 25L		KPHX	PHOENIX	AZ (US)
IAP	RNAV (GPS) Y RWY 7L		KPHX	PHOENIX	AZ (US)
IAP	RNAV (GPS) Y RWY 7R		KPHX	PHOENIX	AZ (US)
IAP	RNAV (GPS) Y RWY 8		KPHX	PHOENIX	AZ (US)
IAP	RNAV (GPS)-D		KSDL	SCOTTSDALE	AZ (US)
IAP	RNAV (GPS)-E	2	KSDL	SCOTTSDALE	AZ (US)
IAP	VOR-C		KSDL	SCOTTSDALE	AZ (US)
IAP	VOR/DME-A	5	KSDL	SCOTTSDALE	AZ (US)
STAR	ARLIN		KCHD	CHANDLER	AZ (US)
STAR	BLYTHE		KCHD	CHANDLER	AZ (US)
STAR	JCOBS		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)
STAR	JCOBS		KGEU	GLENDALE	AZ (US)
STAR	SUNSS		KGEU	GLENDALE	AZ (US)
STAR	LENNI		KLUF	GLENDALE	AZ (US)
STAR	JCOBS		KGYR	GOODYEAR	AZ (US)
STAR	SUNSS		KGYR	GOODYEAR	AZ (US)
STAR	ARLIN		KFFZ	MESA	AZ (US)
STAR	BLYTHE		KFFZ	MESA	AZ (US)
STAR	JCOBS		KFFZ	MESA	AZ (US)
STAR	SUNSS		KFFZ	MESA	AZ (US)
STAR	ARLIN		KDVT	PHOENIX	AZ (US)
STAR	BLYTHE		KDVT	PHOENIX	AZ (US)
STAR	JCOBS		KDVT	PHOENIX	AZ (US)
STAR	SUNSS		KDVT	PHOENIX	AZ (US)
STAR	ARLIN		KIWA	PHOENIX	AZ (US)
STAR	BLYTHE		KIWA	PHOENIX	AZ (US)
STAR	JCOBS		KIWA	PHOENIX	AZ (US)
STAR	SUNSS		KIWA	PHOENIX	AZ (US)
STAR	ARLIN		KPHX	PHOENIX	AZ (US)
STAR	BLYTHE		KPHX	PHOENIX	AZ (US)
STAR	BUNTR		KPHX	PHOENIX	AZ (US)
STAR	COYOT		KPHX	PHOENIX	AZ (US)
STAR	EAGUL (RNAV)	4	KPHX	PHOENIX	AZ (US)
STAR	GEELA (RNAV)	4	KPHX	PHOENIX	AZ (US)
STAR	JESSE		KPHX	PHOENIX	AZ (US)
STAR	KOOLY (RNAV)		KPHX	PHOENIX	AZ (US)
STAR	MAIER (RNAV)	4	KPHX	PHOENIX	AZ (US)
STAR	SUNSS		KPHX	PHOENIX	AZ (US)
STAR	ARLIN		KSDL	SCOTTSDALE	AZ (US)
STAR	BLYTHE		KSDL	SCOTTSDALE	AZ (US)
STAR	JCOBS		KSDL	SCOTTSDALE	AZ (US)
STAR	SUNSS		KSDL	SCOTTSDALE	AZ (US)
STAR	DINGO		KTUS	TUCSON	AZ (US)

REQUIRED CHARTING: DP, STAR, 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 HOLDING PATTERN #5 (SAME AS PATTERN #2 PREVIOUSLY ON REV 6; REMOVED ON REV 7 FOR PROCEDURE CANCELLATION BUT THAT WAS RESCENDED). UPDATED OBSTACLES ON UPN HOLDING FOR 200KTS, AND PAT #2. UPDATED FIX USE.

DEVELOPED BY: **DATE:** 06/06/2011 **OFFICE:** AJV-354 **NAME:** ROY CURRIE

APPROVED BY: **DATE:** 02/21/2012 **OFFICE:** AJV-354 **NAME:** DEZ SILAGYI

QUALITY CHECKED 9

SIGNATURE:

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

INFO ONLY

QUALITY CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: SAINT JOHNS VORTAC **STATE:** AZ **COUNTRY:** US

LATITUDE/LONGITUDE: 342526.55N/1090836.71W **TYPE:**

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

INFO ONLY

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	SAINT JOHNS	SJN	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	NE	SJN	VORTAC	059.00	239.00	R	1-1 1/2		9000	17500	9	16
2	NE		WP	059.00	239.00	R		7	9000	17500	10	17

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	230	AAO	342106.00N/1090418.00W	7294	4E
1	310	AAO	343700.00N/1084548.00W	7750	4E
2	230	AAO	342043.00N/1090418.00W	7304	4E
2	310	AAO	343702.00N/1084548.00W	7750	4E

HOLDING RESTRICTIONS:
HOLDING LIMITED TO ESTABLISHED PATTERNS.

PROCEDURES REQUIRING CLIMB-IN-HOLD:

PAT	PROCEDURE TITLE	AIRPORT IDENT	CITY	STATE
1	VOR/DME-A	KSJN	ST JOHNS	AZ (US)
1	TEXTUAL DEPARTURE	KSJN	ST JOHNS	AZ (US)

REMARKS:
ADDITIONAL CONTROLLED AIRSPACE REQUIRED TO ENCOMPASS HOLDING (P-16).
PRECIPITOUS TERRAIN EVALUATION COMPLETED

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	MAXXO			KPHX	PHOENIX	AZ (US)
DP	ST JOHNS			KPHX	PHOENIX	AZ (US)
DP	SID SCOTTSDALE			KSDL	SCOTTSDALE	AZ (US)
DP	TEXTUAL DEPARTURE		1	KSJN	ST JOHNS	AZ (US)
DP	CAMBA			KTYL	TAYLOR	AZ (US)
DP	ALBUQUERQUE			KABQ	ALBUQUERQUE	NM (US)
EN ROUTE	J108					(US)
EN ROUTE	J18					(US)
EN ROUTE	J231					(US)
EN ROUTE	J74					(US)
EN ROUTE	V190					(US)
EN ROUTE	V234					(US)
EN ROUTE	V264					(US)
EN ROUTE	V528					(US)
IAP	RNAV (GPS) RWY 24			KSOW	SHOW LOW	AZ (US)
IAP	RNAV (GPS) RWY 21			KD68	SPRINGERVILLE	AZ (US)
IAP	RNAV (GPS) RWY 14		2	KSJN	ST JOHNS	AZ (US)
IAP	RNAV (GPS) RWY 32		2	KSJN	ST JOHNS	AZ (US)
IAP	VOR/DME-A		1	KSJN	ST JOHNS	AZ (US)
IAP	GPS RWY 21			KTYL	TAYLOR	AZ (US)
IAP	HI-ILS OR LOC RWY 8			KABQ	ALBUQUERQUE	NM (US)
IAP	HI-TACAN RWY 8			KABQ	ALBUQUERQUE	NM (US)
STAR	BUNTR			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:** 05/05/2011

REASON FOR REVISION:
UPDATED FIX USE.

DEVELOPED BY: **DATE:** 11/19/2010 **OFFICE:** AVN-130 **NAME:** TOBY HUFF (VINNY WILLIS)

QUALITY CHECKED

APPROVED BY: **DATE:** 02/24/2011 **OFFICE:** AVN-130 **NAME:** DEZ SILAGYI

SIGNATURE:

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

QUALITY 9 CHECKED

RADIO FIX AND HOLDING DATA RECORD

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

LATITUDE/LONGITUDE: 342020.04N/1064913.69W **TYPE:**

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

INFO ONLY

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	SOCORRO	ONM	VORTAC	H							45000

FIX RESTRICTIONS:
MCA V264 10000 WESTBOUND

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	ONM	VORTAC	002.00	182.00	R	1-1 1/2		8000	17500	8	16
2	S	ONM	VORTAC	165.00	345.00	L	1-1 1/2		8000	17500	8	16
3	N		WP	006.00	186.00	R		7	8000	14000	9	11
4	N	ONM	VORTAC	002.00	182.00	R	1		10000	14000	9	10

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	230	AAO	341903.00N/1064333.00W	5676	4E
2	230	AAO	341100.00N/1065945.00W	7641	4E
3	230	AAO	341903.00N/1064330.00W	5719	2C
4	230	AAO	341903.00N/1064333.00W	5676	4E
4	310	AAO	342552.00N/1070514.40W	9410	6A

REASON FOR NONSTANDARD HOLDING:
PAT 2 AVOID R-5107C

HOLDING RESTRICTIONS:
HOLDING LIMITED TO ESTABLISHED PATTERNS.

PROCEDURES REQUIRING CLIMB-IN-HOLD:

PAT	PROCEDURE TITLE	AIRPORT IDENT	CITY	STATE
4	T/O MINS AND DP	KONM	SOCORRO	NM (US)

REMARKS:
PRECIPITOUS TERRAIN EVALUATION COMPLETED.
PATTERN 2 CONTROLLING OBSTRUCTION LOCATED 4260' INTO SECONDARY.
PATTERN 4 CLIMB IN HOLD OBSTACLE LOCATED 4032' INTO SECONDARY.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	MAXXO			KPHX	PHOENIX	AZ (US)
DP	SCOTTSDALE			KSDL	SCOTTSDALE	AZ (US)
DP	ALBUQUERQUE			KABQ	ALBUQUERQUE	NM (US)
DP	T/O MINS AND DP		4	KONM	SOCORRO	NM (US)
EN ROUTE	J104					(US)
EN ROUTE	J142					(US)
EN ROUTE	J57					(US)
EN ROUTE	V187					(US)
EN ROUTE	V264					(US)
EN ROUTE	V611					(US)
IAP	HI-ILS OR LOC RWY 8			KABQ	ALBUQUERQUE	NM (US)
IAP	HI-TACAN RWY 8			KABQ	ALBUQUERQUE	NM (US)
IAP	VOR OR TACAN RWY 8			KABQ	ALBUQUERQUE	NM (US)
IAP	VOR/DME-A		2	KE80	BELEN	NM (US)
IAP	RNAV (GPS) RWY 33		3	KONM	SOCORRO	NM (US)
IAP	VOR/DME-A		1	KONM	SOCORRO	NM (US)
STAR	LAVAN			KABQ	ALBUQUERQUE	NM (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 2 **DATE OF REVISION:** 05/31/2012

REASON FOR REVISION:
CHANGED NAVAID FROM HISTORY TO ACTIVE STATUS.

QUALITY CHECKED

DEVELOPED BY:	**DATE:** 09/21/2011	**OFFICE:** AJV-353	**NAME:** JOSE ALFONSO (DAVID JENNER)
APPROVED BY:	**DATE:** 03/08/2012	**OFFICE:** AJV-353	**NAME:** GREGORY YAMAMOTO
	SIGNATURE:		

DISTRIBUTION:
NFDC
FPO: CEN
ARTCC: ZAB
ATC FACILITY:
OTHER:

QUALITY 9 CHECKED

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

INFO ONLY

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	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 07L			KPHX	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 MISSED)	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)
IAP	VOR/DME-A			KSDL	SCOTTSDALE	AZ (US)
STAR	ARLIN			KCHD	CHANDLER	AZ (US)
STAR	BLYTHE			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 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	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	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:** 05/31/2012

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:

QUALITY CHECKED