US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

RNAV - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.33

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

TERMINAL ROUTES

FROM	TO	COURSE AND DISTANCE	ALTITUDE
EED VORTAC (IF/IAF)	PEYON (FB)	148.92 / 6.06	3100
PEYON (FAF)	RACOG/5.10 NM TO RW14 (FB)	133.60 / 1.30	
RACOG/5.10 NM TO RW14	RW14 (MAP) (FO)	133.61 / 5.10	
RW14 (MAP)	2600 MSL	133.61	2600
2600 MSL	EED VORTAC (FO)		6000

MISSED APPROACH

LP: RW14
LNAV: RW14

CLIMB TO 2600 THEN CLIMBING RIGHT TURN TO 6000 DIRECT EED VORTAC AND HOLD, CONTINUE CLIMB-IN-HOLD TO 6000.

ADDITIONAL FLIGHT DATA:

FAS OBST: 2052 AAO 343936N/1142459W
FAS OBST: 1879 AAO 343747N/1142428W
WAAS CHANNEL # 53330
REFERENCE PATH ID: W14A
PEYON TO RW14: 3.40/40
LTP HAE: 197.7 M

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. HOLD NW EED VORTAC, RT, 153.92 INBOUND, 5000 FT. IN LIEU OF PT (IAF)
3. FAC: 133.60 FAF: PEYON DIST FAF TO MAP: 6.40 THLD: 6.40
4. MIN. ALT: EED VORTAC 5000, PEYON 3100, RACOG/5.10 NM TO RW14 2620
5. DIST TO THLD FROM OM: ____ MM: ____ IM: ____ 150 HAT: ____ 100 HAT: ____ GS ANT: ____
6. MIN GS INCPT: ____ GS ALT AT: ____ OM: ____ MM: ____ IM: ____
7. GS ANGLE: ____ TCH: 34:1 IS NOT CLEAR
8. MSA FROM: RW14 8300

MAG VAR: 13E EPOCH YEAR: 1985

MINIMUMS

TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT

ALTERNATE: N A X

CATEGORY =====>	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LP MDA	2140	1 1/4	1391	2140	1 1/2	1391	2140	3	1391	2140	3	1391			
LNAV MDA	2320	1 1/4	1571	2320	1 1/2	1571	2320	3	1571	2320	3	1571			
CIRCLING	2320	1 1/4	1537	2320	1 1/2	1537	2320	3	1537	2320	3	1537			

NOTES:
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE NEEDLES ALTIMETER SETTING AND INCREASE ALL MDA 80 FT.
CHART NOTE: CIRCLING NA NORTHEAST OF RWY 14-32.
CHART NOTE: DME/DME RNP-0.3 NA.
(SEE FORM 8260-10)

QUALITY CHECKED 3

CITY AND STATE	ELEVATION: 783 THRE: 749	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
LAKE HAVASU CITY, AZ	AIRPORT NAME: LAKE HAVASU CITY	RNAV	RNAV (GPS) RWY 14, ORIG	AMDT: NONE
				DATED

ALL AFFECTED PROCEDURES REVIEWED?	COORDINATES OF FACILITIES	REQUIRED EFFECTIVE DATE
[ ] YES [X] NO		**ROUTINE**

COORDINATED WITH:

ATA	AAT	ALPA	APA	AOPA	NBAA	OTHER (specify)
[X]	[ ]	[X]	[X]	[X]	[X]	[X] **ZLA, AMGR**

FLIGHT CHECKED BY		
NAME:	FIFO	DATE:
DEVELOPED BY		
NAME: **ADOLFO URRUTIA (THERON CYRUS)**	FIFO **AJV-354**	DATE: **03/30/2012**
APPROVED BY		
NAME: **DEZ SILAGYI** **MANAGER**	FIFO **AJV-354**	DATE:

CHANGES:

REASONS:

PDF EDITS:
1. ADDED (FAF) TO PEYON IN TERMINAL ROUTES ON -3.
2. REMOVED 020 FROM LINE 8 UNDER SEGMENT ON -10.
3. REMOVED 2.0 FROM LINE 3 UNDER MISSED APPROACH (RNP) ON -10.

QUALITY CHECK

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NOTES, (CONT.):
CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA.
CHART PROFILE NOTE: VGSI AND DESCENT ANGLES NOT COINCIDENT.
CHART PLANVIEW NOTE: LIMIT MISSED APPROACH TO 240 KIAS.
CHART NOTE: WHEN VGSI INOP, PROCEDURE NA AT NIGHT.

QUALITY CHECKED 3

CITY AND STATE	ELEVATION: 783 THRE: 749	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
LAKE HAVASU CITY, AZ	AIRPORT NAME: LAKE HAVASU CITY	RNAV	RNAV (GPS) RWY 14, ORIG	AMDT: NONE
				DATED:

ALL AFFECTED PROCEDURES REVIEWED?	COORDINATES OF FACILITIES	REQUIRED EFFECTIVE DATE
☐ YES ☐ NO		

COORDINATED WITH:

ATA	AAT	ALPA	APA	AOPA	NBAA	OTHER (specify)
☐	☐	☐	☐	☐	☐	☐ _____

FLIGHT CHECKED BY		
NAME:	FIFO	DATE:
DEVELOPED BY		
NAME:	FIFO	DATE:
APPROVED BY		
NAME:	FIFO	DATE:

CHANGES:

REASONS:

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above aiport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

FAS DATA BLOCK INFORMATION

DATA FIELD	DATA
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KHII
RUNWAY	RW14
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W14A
LTP/FTP LATITUDE	343450.1790N
LTP/FTP LONGITUDE	1142153.9720W
LTP/FTP ELLIPSOIDAL HEIGHT	+01977
FPAP LATITUDE	343335.6300N
FPAP LONGITUDE	1142054.6500W
THRESHOLD CROSSING HEIGHT (TCH)	00040.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.40
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0000
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	0.0
CRC REMAINDER	19A059A9

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K2
LTP ORTHOMETRIC HEIGHT	+02283
FPAP ORTHOMETRIC HEIGHT	+02283

CITY AND STATE	ELEVATION: 783 THRE: 749	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
LAKE HAVASU CITY, AZ	AIRPORT NAME: LAKE HAVASU CITY	RNAV	RNAV (GPS) RWY 14, ORIG	AMDT: NONE
				DATED:

ALL AFFECTED PROCEDURES REVIEWED?	COORDINATES OF FACILITIES	REQUIRED EFFECTIVE DATE
☐ YES ☐ NO		

COORDINATED WITH:

ATA	AAT	ALPA	APA	AOPA	NBAA	OTHER (specify)
☐	☐	☐	☐	☐	☐	☐ _____

FLIGHT CHECKED BY		
NAME:	FIFO	DATE:
DEVELOPED BY		
NAME:	FIFO	DATE:
APPROVED BY		
NAME:	FIFO	DATE:

CHANGES:

REASONS:

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - **FAR PART 97.33**

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ARINC PACKET - 424-18 - RNAV (GPS)

```
                 1         2         3         4         5         6         7         8         9         0         1         2         3
NAVAID  123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAD        EED   K2011520VTHA N34455762W114282678    N34455762W114282678E0150006202     NARNEEDLES

                 1         2         3         4         5         6         7         8         9         0         1         2         3
WP      123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAEAENRT   PEYON K20    W     N34401142W114261002                      E0117     NAR           PEYON
        SUSAEAENRT   RACOG K20    W     N34390614W114251793                      E0117     NAR           RACOG

                 1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KHIIK2AHII     0     080YHN34341600W114212980E013000783         1800018000C    MNAR    LAKE HAVASU CITY

                 1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KHIIK2FR14   AEED   010EED  K2D 0VE AR   HF                      15390050    + 05000     18000                B JS
        SUSAP KHIIK2FR14   R      010EED  K2D 0V  I    IF                                  + 05000     18000                B JS
        SUSAP KHIIK2FR14   R      020PEYONK2EA1E  F 051TF                      14890061    + 03100                 RW14  K2PGB JS
        SUSAP KHIIK2FR14   R      020PEYONK2EA2WALP        N          ALNAV                                                   JS
        SUSAP KHIIK2FR14   R      021RACOGK2EA0E S  031TF                      13360013    V 0262002630        -340          B JS
        SUSAP KHIIK2FR14   R      030RW14 K2PG0GY M 031TF                      13360051      00789             -340          B JS
        SUSAP KHIIK2FR14   R      040         0  M     CA                      1336        + 02600                         B JS
        SUSAP KHIIK2FR14   R      050EED  K2D 0VY  R   DF                                  + 06000                         B JS
        SUSAP KHIIK2FR14   R      060EED  K2D 0VE  R   HM                      15390050    + 06000                         B JS

                 1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY  123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KHIIK2GRW14    0080011366 N34345018W114215397+0400    +0197700749000040100R

                 1         2         3         4         5         6         7         8         9         0         1         2         3
PP      123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KHIIK2PR14   RW14 001 0000W14A0N3434501790W11421539720+019770340N3433356300W1142054650010675000000400F40000019A059A9
        SUSAP KHIIK2PR14   RW14 002E      +02283+02283LP        53330

                 1         2         3         4         5         6         7         8         9         0         1         2         3
MSA     123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KHIIK2SRW14 K2PG               0   18018008325                                                                          M
```

CITY AND STATE	ELEVATION: **783** THRE: **749**	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
LAKE HAVASU CITY, AZ	AIRPORT NAME: **LAKE HAVASU CITY**	**RNAV**	**RNAV (GPS) RWY 14, ORIG**	AMDT: **NONE**
				DATED:

ALL AFFECTED PROCEDURES REVIEWED?	COORDINATES OF FACILITIES	REQUIRED EFFECTIVE DATE
☐ YES ☐ NO		

COORDINATED WITH:

ATA ☐ AAT ☐ ALPA ☐ APA ☐ AOPA ☐ NBAA ☐ OTHER (specify) ☐ _____

FLIGHT CHECKED BY		
NAME:	FIFO	DATE:
DEVELOPED BY		
NAME:	NFPG	DATE:
APPROVED BY		
NAME:	NFPG	DATE:

CHANGES:

REASONS:

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - **FAR PART 97.33**

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ARINC SUMMARY - 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
	EED	EED	010	IAF	HF	R	FO		153.9(166.9T)	005.0	AA 05000	
		EED	010	FACF	IF		FB				AA 05000	
		PEYON	020	FAF	TF		FB	0.5	148.9(161.9T)	006.1	AA 03100	
		RACOG	021	SDF	TF		FB	0.3	133.6(146.6T)	001.3	AA 02620 GS 02630	
		RW14	030	MAP	TF		FO	0.3	133.6(146.6T)	005.1	AT 00789	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		133.6(146.6T)		AA 02600	
	EED	050		DF	R	FO				AA 06000	
	EED	060		HM	R	FO		153.9(166.9T)	005.0	AA 06000	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	EED	N344557.62	W1142826.78	N3445.960	W11428.446
	PEYON	N344011.42	W1142610.02	N3440.190	W11426.167
	RACOG	N343906.14	W1142517.93	N3439.102	W11425.299
	RW14	N343450.18	W1142153.97	N3434.836	W11421.900

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW14	00749	40

CITY AND STATE	ELEVATION: **783**	**THRE: 749**	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
LAKE HAVASU CITY, AZ	AIRPORT NAME: **LAKE HAVASU CITY**		**RNAV**	**RNAV (GPS) RWY 14, ORIG**	AMDT: **NONE**
					DATED:

ALL AFFECTED PROCEDURES REVIEWED?	COORDINATES OF FACILITIES	REQUIRED EFFECTIVE DATE
☐ YES ☐ NO		

COORDINATED WITH:

ATA ☐ AAT ☐ ALPA ☐ APA ☐ AOPA ☐ NBAA ☐ OTHER (specify) ☐ _____

FLIGHT CHECKED BY		
NAME:	FIFO	DATE:
DEVELOPED BY		
NAME:	NFPG	DATE:
APPROVED BY		
NAME:	NFPG	DATE:

CHANGES:

REASONS:

STANDARD INSTRUMENT APPROACH PROCEDURE DATA RECORD

PART - A OBSTRUCTION DATA

1. APP SEGMENT	FROM	TO	OBSTRUCTION	COORDINATES	ELEV. MSL	ROC	ALT. ADJUSTMENTS	MIN. ALT.
INTERMEDIATE	EED VORTAC	PEYON	1. AAO	344021.00N/1142612.00W	1782 (4E)	500		2300
	(IF/IAF)		2. TERRAIN	344021.00N/1142612.00W	1582 (1600)		AS1500	3100
FINAL: LP	PEYON	RACOG/5.10 NM TO	3. AAO	343945.33N/1142505.29W	2274 (2C)	250	XL20 RA69	2620
		RW14						
FINAL: LP STEPDOWN	RACOG/5.10 NM TO	RW14	4. AAO	343746.65N/1142428.14W	1879 (2C)	250		2140
	RW14							
FINAL: LNAV	PEYON	RACOG/5.10 NM TO	3. AAO	343945.33N/1142505.29W	2274 (2C)	250	XL20 RA69	2620
		RW14						
FINAL: LNAV STEPDOWN	RACOG/5.10 NM TO	RW14	5. AAO	343936.42N/1142458.79W	2052 (2C)	250		2320
	RW14							
2. HOLD-IN-LIEU-OF-PT	EED VORTAC	P-6	6. AAO	344103.00N/1143230.00W	2874 (4E)	1000		3900
			7. TERRAIN	344103.00N/1143230.00W	2674 (2700)		AS1500	4200
3. MISSED APPROACH — MAP:	RW14 / RW14	EED VORTAC				ASC		6000
			8. AAO	343339.00N/1142954.00W	2937 (4E)	1000		4000
ELEV:	2040/2220		9. TERRAIN	343339.00N/1142954.00W	2737 (2700)		AS1500	4200
10. POLE (KHIIT067)				343313.27N/1142045.99W	868 (2C)	300	SI	2320
10. POLE (KHIIT067)				343313.27N/1142045.99W	868 (2C)	300	SI	2320
10. POLE (KHIIT067)				343313.27N/1142045.99W	868 (2C)	300	SI	2320
11. TREE				343144.87N/1141944.10W	964 (2C)	300	SI	2320

4. CIRCLING AREA	DISTANCE	HT. ABV. ARPT. REQUIRED	HT. ABV. ARPT. ACTUAL
CATEGORY A	1.3 NM	350	1537
CATEGORY B	1.5 NM	450	1537
CATEGORY C	1.7 NM	450	1537
CATEGORY D	2.3 NM	550	1537
CATEGORY E	4.5 NM	550	

5. MINIMUM SAFE ALTITUDES — PRIMARY NAVAID: RW14

SECTOR	OBSTRUCTION	BRG/DIST	ELEVATION (MSL)	M S A	SECTOR	OBSTRUCTION	BRG/DIST	ELEVATION (MSL)	M S A
360-360	AAO	053/ 27.9	7269 (6A)	8300					

CITY AND STATE	ELEVATION: 783 / AIRPORT NAME:	FACILITY	PROCEDURE AND AMENDMENT NO:	REGION
LAKE HAVASU CITY, AZ	LAKE HAVASU CITY	RNAV	RNAV (GPS) RWY 14, ORIG	AWP

QUALITY CHECKED

PART B - SUPPLEMENTAL DATA

1. COMMUNICATIONS WITH:	2. WEATHER SERVICE	3. ALTIMETER SETTING
ZLA ARTCC PRC FSS	N W S / F A A / A / C — OTHER: AWOS-3	SOURCE: KHII / KEED DISTANCE: 0 / 17.57 HOURS REMOTE OPERATION: 24 / BACKUP
SATISFACTORY ON: X VHF X UHF H F	LOCATION: KHII	ADJUSTMENT: 0 / 69

4. MONITOR STATUS	PRIMARY NAVAID:	
	MONITOR POINT:	
	HRS OPTN: CAT 1	
	HRS OPTN: CAT 3	
5. APPROACH & RUNWAY LIGHTING		ALS
		(S) SALS
		MALS
		HIRL
	X	MIRL 14 (PCL), 32 (PCL)
	X	REIL 14, 32
		TDZ
		C/LINE
	X	OTHER (SPECIFY) PAPI-4L 14, 32
6. RUNWAY MARKINGS	BASIC	
	ALL WEATHER	
	INSTRUMENT	NPI-G 14, 32
7. RUNWAY VISUAL RANGE	APPROACH	
	MIDFIELD	
	ROLL OUT	
8. GLIDE PATH	GP ANGLE:	ELEV RWY THRESHOLD:
	DISTANCE FROM RWY:	ELEV GP ANTENNA:
		THRESHOLD CROSSING HEIGHT:
9. FINAL APPROACH COURSE AIMING	X	RUNWAY THRESHOLD — FT. FROM THRESHOLD
	X	ON CENTERLINE — FT. FROM CENTERLINE

10. WAIVERS: NONE

QUALITY CHECKED 3

PART D - PREPARED BY: ADOLFO URRUTIA (THERON CYRUS)	DATE: 03/30/2012
TITLE: AERONAUTICAL INFORMATION SPECIALIST	OFFICE: AJV-354

PART C - REMARKS:

VDP NOT ESTABLISHED - 20:1 PENETRATIONS.

PARA 251, 20:1 PENETRATION.

PARA 251, 34:1 PENETRATION.

PRECIPITOUS TERRAIN EVALUATION COMPLETED.

BLOCK2, WEATHER SERVICE:
OTHER: AWOS/ASOS
SERVICE A: N/Y
RASS PRESSURE PATTERN SAME.
KHII 783, KEED 983
RA =68.4

VGSI DATA: 3.00; TCH: 35
3.40/40 PER FPT.

SEE ATTACHED AIRSPACE LETTER.

CIRCLING OBS FROM CURRENT PUBLISHED PROCEDURES FOR KHII. USED IN ORDER FOR PROCEDURES TO SHARE COMMON CIRCLING OBS.
CIRCLING RESTRICTIONS MATCHES CURRENT PUBLISHED PROCEDURES.

TAA, LPV AND LNAV/VNAV NOT DEVELOPED PER FPT.

MISSED APPROACH EVALUATED USING IPDS.

MISSED APPROACH REQUIRES 25 DEGREE BANK ANGLE AND LIMITED AIRSPEED TO 240 KIAS DUE TO HIGH TERRAIN SOUTHWEST OF AIRPORT.

FINAL COURSE OFFSET 3.04 DEGRESS DUE TO HIGH TERRAIN NORTH OF AIRPORT.

INTERMEDIATE COURSE OFFSET 15.32 DEGREES FROM FINAL COURSE DUE TO HIGH TERRAIN WEST OF AIRPORT.

H-I-L OFFSET 5 DEGREES DUE TO HIGH TERRAIN NORTHWEST OF AIRPORT.

5 FT VEGETATION USED PER FPT/PREVIOUSLY PUBLISHED PROCEDURE.

ORDER 8260.3, VOLUME 1, VISUAL PORTION OF FINAL PENETRATIONS:
20:1
RWY 14:
1879 AAO 343746.65N/1142428.14W (40.92)
34:1
RWY 14:
1765 TERRAIN 343748.00N/1142427.00W (373.49)
1772 TERRAIN 343800.00N/1142412.00W (370.54)
1761 TERRAIN 343803.00N/1142409.00W (357.31)
1759 TERRAIN 343806.00N/1142409.00W (346.58)
1736 TERRAIN 343800.00N/1142409.00W (338.51)
1749 TERRAIN 343803.00N/1142415.00W (336.07)
1719 TERRAIN 343745.00N/1142430.00W (330.94)
1719 TERRAIN 343806.00N/1142406.00W (311.27)
1723 TERRAIN 343806.00N/1142412.00W (306.43)
1693 TERRAIN 343748.00N/1142424.00W (305.36)
1677 TERRAIN 343742.00N/1142430.00W (295.73)
1679 TERRAIN 343759.74N/1142406.33W (286.33)
1687 TERRAIN 343800.00N/1142415.00W (281.18)
1664 TERRAIN 343803.00N/1142406.00W (262.94)
1677 TERRAIN 343806.00N/1142415.00W (256.45)

CONT.

STANDARD INSTRUMENT APPROACH PROCEDURE DATA RECORD

PART - A OBSTRUCTION DATA

1. APP SEGMENT	FROM	TO	OBSTRUCTION	COORDINATES	ELEV. MSL	ROC	ALT. ADJUSTMENTS	MIN. ALT.
3. MISSED APPROACH	MAP:							
	ELEV:							

4. CIRCLING AREA	DISTANCE	HT. ABV. ARPT.		
CATEGORY A	1.3 NM	REQUIRED	350	ACTUAL
CATEGORY B	1.5 NM		450	
CATEGORY C	1.7 NM		450	
CATEGORY D	2.3 NM		550	
CATEGORY E	4.5 NM		550	

5. MINIMUM SAFE ALTITUDES

PRIMARY NAVAID:

SECTOR	OBSTRUCTION	BRG/DIST	ELEVATION (MSL)	M S A	SECTOR	OBSTRUCTION	BRG/DIST	ELEVATION (MSL)	M S A

CITY AND STATE		FACILITY	PROCEDURE AND AMENDMENT NO:	REGION
LAKE HAVASU CITY, AZ	ELEVATION: 783 AIRPORT NAME: LAKE HAVASU CITY	RNAV	RNAV (GPS) RWY 14, ORIG	AWP

QUALITY CHECKED

PART B - SUPPLEMENTAL DATA

1. COMMUNICATIONS WITH:	2. WEATHER SERVICE			3. ALTIMETER SETTING
SATISFACTORY ON:		N W S	OTHER:	SOURCE:
				DISTANCE:
		F A A		HOURS REMOTE OPERATION:
		A / C		
V H F / U H F / H F	LOCATION:			ADJUSTMENT:

4. MONITOR STATUS	PRIMARY NAVAID:	
	MONITOR POINT:	
	HRS OPTN: CAT 1	
	HRS OPTN: CAT 3	

5. APPROACH & RUNWAY LIGHTING		**ALS**
		(S) SALS
		MALS
		HIRL
		MIRL
		REIL
		TDZ
		C/LINE
		OTHER (SPECIFY)

6. RUNWAY MARKINGS	BASIC	
	ALL WEATHER	
	INSTRUMENT	
7. RUNWAY VISUAL RANGE	APPROACH	
	MIDFIELD	
	ROLL OUT	
8. GLIDE PATH	GP ANGLE:	ELEV RWY THRESHOLD:
	DISTANCE FROM RWY:	ELEV GP ANTENNA:
		THRESHOLD CROSSING HEIGHT:

9. FINAL APPROACH COURSE AIMING		RUNWAY THRESHOLD	FT. FROM THRESHOLD
		ON CENTERLINE	FT. FROM CENTERLINE

10. WAIVERS:

PART D - PREPARED BY:	DATE:
TITLE:	OFFICE:

PART C - REMARKS:

CONTINUED.
FPT NOTIFIED OF 20:1 PENETRATIONS.
RWY 14 HAS MULTIPLE 34:1 PENETRATIONS. THE FIRST 15 WITH THE HIGHEST PENETRATION LISTED.

RADIO FIX AND HOLDING DATA RECORD

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

LATITUDE/LONGITUDE: 344557.62N/1142826.78W **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	NEEDLES	EED	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	E	EED	VORTAC	076.78	256.78	R	1-1 1/2		4000	17500	4	16
2	NW	EED	VORTAC	318.89	138.89	R	1-1 1/2		4000	6000	4	6
3	SE	EED	VORTAC	154.63	334.63	R	1-1 1/2		4000	17500	4	16
4	E		WP	076.78	256.78	R		4	4000	14000	5	11
5	NW		WP	318.89	138.89	R		4	4000	14000	5	11
6	NW		WP	333.92	153.92	R		5	5000	14000	6	11

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	AAO	344839.00N/1141718.00W	2238	4E
1	310	AAO	345245.00N/1141311.90W	3830	4E
2	200	AAO	344145.00N/1143106.00W	2241	4E
2	310	AAO	350057.00N/1144457.00W	3688	4E
3	200	AAO	344118.00N/1143130.00W	2569	4E
4	200	AAO	345224.00N/1141724.00W	3478	4E
5	200	AAO	344127.00N/1143127.00W	2369	4E
5	310	AAO	350057.00N/1144457.00W	3688	4E
6	200	AAO	344103.00N/1143230.00W	2874	4E
6	310	AAO	345854.00N/1142430.00W	3370	4E

PRECIPITOUS TERRAIN ADDITIONS:

PAT	SPEED	ADDITION
1	310	168
2	310	150
5	310	150
6	310	220

HOLDING RESTRICTIONS:
HOLDING LIMITED TO ESTABLISHED PATTERNS

PROCEDURES REQUIRING CLIMB-IN-HOLD:

PAT	PROCEDURE TITLE	AIRPORT IDENT	CITY	STATE
1	TEXTUAL DEPARTURE	KIFP	BULLHEAD CITY	AZ (US)
1	TEXTUAL DEPARTURE	KHII	LAKE HAVASU CITY	AZ (US)
2	VOR/DME OR GPS-A	KHII	LAKE HAVASU CITY	AZ (US)
6	RNAV (GPS) RWY 14	KHII	LAKE HAVASU CITY	AZ (US)

REMARKS:
PRIOR COORDINATION REQUIRED WITH ZLA FOR HOLDING OVER TURTLE MOA.
PRECIPITOUS TERRAIN EVALUATION COMPLETED
PAT 4 200 AIRSPEED HOLDING OBSTACLE LOCATED 1.97NM INTO SECONDARY AREA WITH A PRIMARY EQUIVALENT OF 2490 FEET

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	TEXTUAL DEPARTURE		1	KIFP	BULLHEAD CITY	AZ (US)
DP	TEXTUAL DEPARTURE		1	KHII	LAKE HAVASU CITY	AZ (US)
DP	CHILY			KPHX	PHOENIX	AZ (US)
DP	JONHH			KSDL	SCOTTSDALE	AZ (US)
DP	TEXTUAL DEPARTURE			KEED	NEEDLES	CA (US)
DP	PALLY (RNAV)			KHND	LAS VEGAS	NV (US)
EN ROUTE	J236					(US)
EN ROUTE	J6					(US)
EN ROUTE	J8					(US)
EN ROUTE	V12					(US)
EN ROUTE	V135					(US)
EN ROUTE	V208					(US)
EN ROUTE	V237					(US)
IAP	RNAV (GPS) RWY 16			KIFP	BULLHEAD CITY	AZ (US)
IAP	RNAV (GPS) RWY 34			KIFP	BULLHEAD CITY	AZ (US)
IAP	VOR/DME RWY 34		3	KIFP	BULLHEAD CITY	AZ (US)
IAP	RNAV (GPS) RWY 14		6	KHII	LAKE HAVASU CITY	AZ (US)
IAP	VOR/DME OR GPS-A		2, 5	KHII	LAKE HAVASU CITY	AZ (US)
IAP	RNAV (GPS) RWY 29		4	KEED	NEEDLES	CA (US)
IAP	VOR-A		1	KEED	NEEDLES	CA (US)
STAR	JANNY (RNAV)			KBUR	BURBANK	CA (US)

QUALITY 3 CHECKED

STAR	CLOWD	KPSP	PALM SPRINGS	CA (US)
STAR	SBONO	KPSP	PALM SPRINGS	CA (US)
STAR	BARET	KSAN	SAN DIEGO	CA (US)
STAR	LYNDI (RNAV)	KSAN	SAN DIEGO	CA (US)
STAR	KEFFR (RNAV)	KSNA	SANTA ANA	CA (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 12 **DATE OF REVISION:** 09/20/2012

REASON FOR REVISION:
UPDATED FIX USE
ADDED PAT 6.
UPDATE FAC LAT/LONG TO MATCH NASR/AVNIS.

DEVELOPED BY: **DATE:** 05/23/2012 **OFFICE:** AJV-354 **NAME:** ADOLFO URRUTIA (THERON CYRUS)

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

SIGNATURE:

DISTRIBUTION: **NFDC**
FPO: WST
ARTCC: ZLA
ATC FACILITY: PSP
OTHER:

QUALITY 3 CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: PEYON **STATE:** CA **COUNTRY:** US

LATITUDE/LONGITUDE: 344011.42N/1142610.02W **TYPE:** WP

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

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	RNAV (GPS) RWY 14			KHII	LAKE HAVASU CITY	AZ (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG **DATE OF REVISION:** 09/20/2012

DEVELOPED BY: **DATE:** 03/28/2012 **OFFICE:** AJV-354 **NAME:** ADOLFO URRUTIA (THERON CYRUS)

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

SIGNATURE:

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

QUALITY 3 CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: RACOG **STATE:** AZ **COUNTRY:** US

LATITUDE/LONGITUDE: 343906.14N/1142517.93W **TYPE:** WP

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

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	RNAV (GPS) RWY 14			KHII	LAKE HAVASU CITY	AZ (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG **DATE OF REVISION:** 09/20/2012

DEVELOPED BY: **DATE:** 03/28/2012 **OFFICE:** AJV-354 **NAME:** ADOLFO URRUTIA (THERON CYRUS)

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

SIGNATURE:

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

QUALITY CHECKED 3

TERMINAL AIRSPACE DATA REQUIREMENTS

CITY: **LAKE HAVASU CITY** STATE: **AZ**

AIRPORT NAME: **LAKE HAVASU CITY** ID: **KHII**

PROCEDURE: **RNAV (GPS) RWY 14** AMDT: **ORIG**

DOCKET # :
(96-AXX-X/Required/Not Required)

ALL DIST TO 1/100 NM; ELEV TO NEAREST FT; COORD TO 1/100 SEC; DEG TO 1/100 DG.

1. Distance from **MAP** to 1000' point **4.34**
   (Enter THLD, FAF, ARP, FACILITY, as appropriate)
2. Width of **FINAL** segment at 1000' point **1.20**
   (Enter appropriate segment , final, intermediate, etc.)
3. True Course of **FINAL** segment containing 1000' point **134.94**
4. High Terrain in **FINAL** segment containing 1000' point **1679**
5. Distance from **MAP** to 1500' point **6.01**
   (If 1500' point in PT maneuvering area or holding pattern note in remarks)
6. Width of **FINAL** segment at 1500' point **2.13**
7. True Course of **FINAL** segment containing 1500' point **134.94**
8. High Terrain in **FINAL** segment containing 1500' point **1679**
9. Threshold Coordinates (if straight-in) ... **343450.18N** / **1142153.97W**
10. ARP Coordinates ..... **343416.00N** / **1142129.80W**
11. Runway Approach End and distance furthest from ARP.....RWY **14**
    Distance **0.66** NM
12. FAF Coordinates ..... **344030.09N** / **1142905.50W**
    (Click to Select)

REMARKS: Approach/Drawing attached.
MAP: CIGRO 343515.82N/1142212.14W