

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

RNAV (GPS) - STANDARD
INSTRUMENT APPROACH PROCEDURE
FAR 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				MISSED APPROACH	
FROM	TO	COURSE AND DISTANCE	ALTITUDE		
PXR VORTAC	JEPES (FO)	257.07 / 14.53	4300	LPV: DA LNAV/VNAV: DA LNAV: RW07R	
BXK VORTAC	ALLIS (FB)	079.40 / 10.00	5000	CLIMB TO 5000 DIRECT NAVOQ AND VIA 110.12 TRACK TO IWA VORTAC AND HOLD.	
ALLIS (IAF)	JEPES (NOPT) (FB)	081.72 / 18.42	4300		
JEPES (IF/IAF)	OVNUY (FB)	077.90 / 6.01	3000		
				ADDITIONAL FLIGHT DATA: HOLD S, RT, 360.00 INBOUND. CHART FAS OBST: 1209 OL ON CRANE 332546N/1120241W CHART FAS OBST: 1330 BLDG 332643N/1120356W CHART 1602 BLDG 332703N/1120423W DISTANCE TO THLD FROM 274 HAT: 0.70 NM. CHART VDP AT 1.24 MILES TO RW07R* *LNAV ONLY. WAAS CHANNEL # 73011 REFERENCE PATH ID: W07B	
1. PT <u> </u> SIDE OF COURSE <u> </u> OUTBOUND <u> </u> FT WITHIN <u> </u> MILES OF <u> </u> (IAF) 2. HOLD W JEPES, RT, 077.90 INBOUND, 4300 FT. IN LIEU OF PT (IAF) 3. FAC: 077.97 FAF: OVNUY DIST FAF TO MAP: 5.66 THLD: 5.66 4. MIN. ALT: JEPES 4300, OVNUY 3000, ADWOT/2.10 NM TO RW07R 1840' 5. DIST TO THLD FROM OM: MM: IM: 150 HAT: 100 HAT: GS ANT: 6. MIN GS INCPT: 3000 GS ALT AT: OVNUY OM: MM: IM: 7. GS ANGLE: 3.00 TCH: 56.7 34:1 IS NOT CLEAR 8. MSA FROM: RW07R 6100					
				MAG VAR: 12E EPOCH YEAR: 2000	

MINIMUMS																
TAKEOFF:	STANDARD	X	SEE FAA FORM 8260-15A FOR THIS AIRPORT	ALTERNATE: N/A	STANDARD @											
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	
LPV DA	1390	3/4	274	1390	3/4	274	1390	3/4	274	1390	3/4	274				
LNAV/VNAV DA	1520	1	404	1520	1	404	1520	1	404	1520	1	404				
LNAV MDA	1580	3/4	464	1580	3/4	464	1580	3/4	464	1580	1	464				
CIRCLING	1740	1	605	1740	1	605	1740	1 3/4	605	1920	2 1/2	785				

NOTES:

CHART NOTE: FOR INOPERATIVE MALSR, INCREASE LNAV CAT A/B VISIBILITY TO 1 MILE.

@ CAT D 800-2 1/2

CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -17C (2F) OR ABOVE 46C (114F).

CHART NOTE: DME/DME RNP-0.3 NA.

CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA.

SEE 8260-10

CITY AND STATE PHOENIX, AZ	ELEVATION: 1135 TDZE: 1116 AIRPORT NAME: PHOENIX SKY HARBOR INTL	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) Y RWY 7R, AMDT 1 12 MAR 2009	SUP: RNAV (GPS) RWY 7R AMDT: ORIG DATED 05/10/2007
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TL09-06 Pub 3-12-09

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

RNAV (GPS) - STANDARD
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NOTES CONT.

CHART PROFILE NOTE: VGSi AND RNAV GLIDEPATH NOT COINCIDENT.

*RNAV ONLY

CITY AND STATE

PHOENIX, AZ

ELEVATION: 1135 TDZE: 1116

AIRPORT NAME:

PHOENIX SKY HARBOR INTL

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) Y RWY 7R, AMDT 1

12 MAR 2009

SUP: RNAV (GPS) RWY
7R

AMDT: ORIG

DATED: 05/10/2007

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICE - FAR PART 97.33

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FAS DATA BLOCK INFORMATION

DATA FIELD

DATA

OPERATION TYPE
SBAS SERVICE PROVIDER IDENTIFIER
AIRPORT IDENTIFIER
RUNWAY
APPROACH PERFORMANCE DESIGNATOR
ROUTE INDICATOR
REFERENCE PATH DATA SELECTOR
REFERENCE PATH IDENTIFIER (APPROACH ID)
LTP/FTP LATITUDE
LTP/FTP LONGITUDE
LTP/FTP ELLIPSOIDAL HEIGHT
FPAP LATITUDE
FPAP LONGITUDE
THRESHOLD CROSSING HEIGHT (TCH)
TCH UNITS SELECTOR (METERS OR FEET USED)
GLIDEPATH ANGLE (GPA)
COURSE WIDTH AT THRESHOLD
LENGTH OFFSET
HORIZONTAL ALERT LIMIT (HAL)
VERTICAL ALERT LIMIT (VAL)

0
0
KPHX
RW07R
0
Y
0
W07B
332543.8910N
1120137.5670W
+03088
332543.8400N
1120005.5400W
00056.7
F
03.00
106.50
0000
40.0
50.0

CRC REMAINDER

5EE912F4

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE
LTP ORTHOMETRIC HEIGHT
FPAP ORTHOMETRIC HEIGHT

K2
+03386
+03386

CITY AND STATE

PHOENIX, AZ

ELEVATION: 1135 TDZE: 1116

AIRPORT NAME:

PHOENIX SKY HARBOR INTL

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) Y RWY 7R, AMDT 1

12 MAR 2009

SUP: RNAV (GPS) RWY
7R

AMDT: ORIG

DATED: 05/10/2007

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICE - FAR PART 97.33

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ARINC PACKET - 424-18 - RNAV (GPS)

NAVAID	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAD	BXK	K2011060VTL	N33271240W	112492850	N33271240W	112492850	E014001060			NARBUCKEYE			
SUSAD	IWA	K2011330VTL	N33181143W	111390519	N33181143W	111390519	E013001370			NARWILLIE			
SUSAD	PXR	K2011560VTHA	N33255887W	111581272	N33255887W	111581272	E012001182			NARPHOENIX			

[illegible][illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP KPHXK2FR07RY ABXK	010BXX	K2D 0V	IF							18000		A JS	
SUSAP KPHYK2FR07RY ABXK	020ALLISK2EA0E	A 020TF				07940100	+	05000				A JS	
SUSAP KPHXK2FR07RY ABXK	030JEPESK2EA0EE	010TF				08170184	+	04300				A JS	
SUSAP KPHXK2FR07RY APXR	010PXR	K2D 0V	IF							18000		A JS	
SUSAP KPHXK2FR07RY APXR	020JEPESK2EA0EY	A 020TF				25710145	+	04300				A JS	
SUSAP KPHXK2FR07RY APXR	030JEPESK2EA0EB	CR HF				07790050	+	04300				A JS	
SUSAP KPHXK2FR07RY R	010JEPESK2EA0E	I IF					+	04300		18000		A JS	
SUSAP KPHXK2FR07RY R	020OVNUYK2EA1E	F 051TF				07790060	+	03000			RW07R K2PGA	JS	
SUSAP KPHXK2FR07RY R	020OVNUYK2EA2WALPV			ALNAV/VNAV	ALNAV							JS	
SUSAP KPHXK2FR07RY R	021ADWOTK2EA0E	S 031TF				07800036	V	0184001840		-300		A JS	
SUSAP KPHXK2FR07RY R	030RW07RK2PG0GY	M 031TF				07800021		01168		-300		A JS	
SUSAP KPHXK2FR07RY R	040NAVOQK2EA0E	M 010DF										A JS	
SUSAP KPHXK2FR07RY R	050IWA	K2D 0VY 010TF				1101	+	05000				A JS	
SUSAP KPHXK2FR07RY R	060IWA	K2D 0VE HR020HM				36000050	+	05000				A JS	

CITY AND STATE

PHOENIX, AZ

ELEVATION: 1135 TDZE: 1116

AIRPORT NAME:

PHOENIX SKY HARBOR INTL

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) Y RWY 7R, AMDT 1

12 MAR 2009

SUP:	RNAV (GPS) RWY 7R
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AMDT:	ORIG
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DATED: 05/10/2007

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.

SUSAP KPHXK2GRW07R 0078000780 N33254389W112013757+0200 +0308801111000057150R

SUSAP KPHXK2PR07RY RW07R001Y0000W07B0N3325438910W11201375670+030880300N3325438400W11200055400106500000000567F4005005EE912F4
SUSAP KPHXK2PR07RY RW07R002E +03386+03386LPV 73011 000

SUSAP KPHXK2SRW07RK2PG	0	18018006125	M
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U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICE - FAR PART 97.33

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ARINC FLIGHT INSPECTION SUMMARY - VERSION 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
BKK		BKK	010		IF		FB				
BKK		ALLIS	020	IAF	TF		FB	2.0	079.4 (091T)	010.0	05000
BKK		JEPES	030		TF		FB	1.0	081.7 (094T)	018.4	04300
PXR		PXR	010		IF		FB				
PXR		JEPES	020	IAF	TF		FO	2.0	257.1 (269T)	014.5	04300
PXR		JEPES	030		HF	R	FO		077.9 (090T)	005.0	04300
		JEPES	010	FACF	IF		FB				04300
		OVNUY	020	FAF	TF		FB	0.5	077.9 (090T)	006.0	03000
		ADWOT	021	SDF	TF		FB	0.3	078.0 (090T)	003.6	0184001840
		RW07R	030	MAP	TF		FO	0.3	078.0 (090T)	002.1	01168

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	NAVOQ	040		DF		FB	1.0			
	IWA	050		TF		FO	1.0	110.1 (122T)		05000
	IWA	060		HM	R	FO	2.0	360.0 (012T)	005.0	05000

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	BKK	N332712.40	W1124928.50	N3327.207	W11249.475
	IWA	N331811.43	W1113905.19	N3318.191	W11139.087
	PXR	N332558.87	W1115812.72	N3325.981	W11158.212
	ADWOT	N332543.93	W1120408.12	N3325.732	W11204.135
	ALLIS	N332657.18	W1123731.64	N3326.953	W11237.527
	JEPES	N332543.47	W1121534.21	N3325.725	W11215.570
	NAVOQ	N332543.42	W1115321.01	N3325.724	W11153.350
	OVNUY	N332543.88	W1120823.69	N3325.731	W11208.395
	RW07R	N332543.89	W1120137.57	N3325.732	W11201.626

RUNWAY DATA	THRESHOLD	ELEVATION	TCH
RWY			
RW07R	01111		57

CITY AND STATE
 PHOENIX, AZ

ELEVATION: 1135 TDZE: 1116
 AIRPORT NAME:
 PHOENIX SKY HARBOR INTL

FACILITY
 IDENTIFIER:
 RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
 RNAV (GPS) Y RWY 7R, AMDT 1
 12 MAR 2009

SUP:	RNAV (GPS) RWY 7R
AMDT:	ORIG
DATED:	05/10/2007

RNAV (GPS) - STANDARD INSTRUMENT APPROACH PROCEDURE FAR 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				MISSED APPROACH								
FROM	TO	COURSE AND DISTANCE	ALTITUDE	LPV: DA LNAV/VNAV: DA LNAV: RW07R CLIMB TO 5000 DIRECT NAVOQ AND VIA 110.12 TRACK TO IWA VORTAC AND HOLD. ADDITIONAL FLIGHT DATA: HOLD S, RT, 360.00 INBOUND. CHART FAS OBST: 1209 OL ON CRANE 332546N/1120241W CHART FAS OBST: 1330 BLDG 332643N/1120356W CHART 1602 BLDG 332703N/1120423W DISTANCE TO THLD FROM 274 HAT: 0.70 NM. CHART VDP AT 1.24 MILES TO RW07R* *LNAV ONLY. WAAS CHANNEL # 73011 REFERENCE PATH ID: W07B								
PXR VORTAC	JEPES (FO)	257.07 / 14.53	4300									
BXK VORTAC	ALLIS (FB)	079.40 / 10.00	5000									
ALLIS (IAF)	JEPES (NOPT) (FB)	081.72 / 18.42	4300									
JEPES (IF/IAF)	OVNUY (FB)	077.90 / 6.01	3000									
1. PT <u> </u> SIDE OF COURSE <u> </u> OUTBOUND <u> </u> FT WITHIN <u> </u> MILES OF <u> </u> (IAF) 2. HOLD W JEPES, RT, 077.90 INBOUND, 4300 FT. IN LIEU OF PT (IAF) 3. FAC: <u>077.97</u> FAF: <u>OVNUY</u> DIST FAF TO MAP: <u>5.66</u> THLD: <u>5.66</u> 4. MIN. ALT: <u>JEPES 4300, OVNUY 3000, ADWOT/2.10 NM TO RW07R 1840*</u> 5. DIST TO THLD FROM OM: <u> </u> MM: <u> </u> IM: <u> </u> 150 HAT: <u> </u> 100 HAT: <u> </u> GS ANT: <u> </u> 6. MIN GS INCPT: <u>3000</u> GS ALT AT: <u>OVNUY</u> OM: <u> </u> MM: <u> </u> IM: <u> </u> 7. GS ANGLE: <u>3.00</u> TCH: <u>56.7</u> 34:1 IS NOT CLEAR 8. MSA FROM: <u>RW07R 6100</u>				MAG VAR: 12E EPOCH YEAR: 2000								
MINIMUMS												
TAKEOFF:	STANDARD	X	SEE FAA FORM 8260-15A FOR THIS AIRPORT	ALTERNATE: N/A	STANDARD @							
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
LPV DA	1390	3/4	274	1390	3/4	274	1390	3/4	274	1390	3/4	274
LNAV/VNAV DA	1520	1	404	1520	1	404	1520	1	404	1520	1	404
LNAV MDA	1580	3/4	464	1580	3/4	464	1580	3/4	464	1580	1	464
CIRCLING	1740	1	605	1740	1	605	1740	1 3/4	605	1920	2 1/2	785
NOTES: CHART NOTE: FOR INOPERATIVE MALSR, INCREASE LNAV CAT A/B VISIBILITY TO 1 MILE. @ CAT D 800-2 1/2 CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -17C (2F) OR ABOVE 46C (114F). CHART NOTE: DME/DME RNP-0.3 NA. CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA. SEE 8260-10												
CITY AND STATE		ELEVATION: 1135 TDZE: 1116		FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:			SUP: RNAV (GPS) RWY 7R			
PHOENIX, AZ		AIRPORT NAME: PHOENIX SKY HARBOR INTL				RNAV (GPS) Y RWY 7R, AMDT 1			AMDT: ORIG			
									DATED 05/10/2007			

 2
 CHECKED

ALL AFFECTED PROCEDURES REVIEWED? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO		COORDINATES OF FACILITIES		REQUIRED EFFECTIVE DATE ROUTINE	
COORDINATED WITH:					
ATA <input checked="" type="checkbox"/>	AAT <input type="checkbox"/>	ALPA <input checked="" type="checkbox"/>	APA <input checked="" type="checkbox"/>	AOPA <input checked="" type="checkbox"/>	NBAA <input checked="" type="checkbox"/>
				OTHER (specify) <u>ZAB, PHX APCH, PHX ATCT, AZ AERO, AMGR</u>	
FLIGHT CHECKED BY					
NAME: <i>for Thomas H. Gano</i>				FIFO AVN	DATE: 12-29-08
DEVELOPED BY					
NAME: <i>DION E. LANCIA</i>				FIFO AVN-130	DATE: 10/28/2008
APPROVED BY					
ME: <i>RICK A. WEBB</i> RICK A. WEBB				FIFO AVN-130	DATE: JAN 08 2009
CHANGES:					
1. CHANGED B XK FROM AN IAF TO A FEEDER, ADDED ALLIS AS AN IAF, CHANGED IF/IAF FROM AVONA TO JEPES, MOVED HOLD-IN-LIEU FROM AVONA TO JEPES, MOVED OVNUY 3673.23' WEST RAISING MINIMUM ALTITUDE AT FAF FROM 2800' TO 3000', CHANGED MISSED APPROACH INSTRUCTIONS FROM "CLIMB TO 5000 VIA 078 COURSE TO NAVOQ WP THEN VIA 165 COURSE TO SACAT WP AND HOLD" TO "CLIMB TO 5000 DIRECT NAVOQ AND VIA 110.12 TRACK TO IWA VORTAC AND HOLD". 2. ADDED LPV MINIMUMS. 3. ADDED A SDF AT 2.1 NM FROM RWY THLD REDUCING LNAV MINIMUMS FROM MDA 1820/HAT 704 TO MDA 1580/HAT 464 AND REDUCING CAT C VIS FROM 1 1/2 TO 3/4 AND CAT D VIS FROM 1 3/4 TO 1 MILE. 4. ADDED MAXIMUM AUTHORIZED TEMPERATURE TO BARO-VNAV NOTE. 5. DELETED NOTE: GPS OR RNP-0.3 REQUIRED. 6. CHANGED NAME FROM RNAV (GPS) RWY 7R, ORIG TO RNAV (GPS) Y RWY 7R, AMDT 1.					
ASONS:					
1. PROCEDURE DESIGN CHANGED TO ALLOW FOR THE ILS TO BE MARRIED TO IT NEXT TIME THE ILS IS REVISED AND TO STANDARDIZE ALL PROCEDURES FROM THE WEST. 2. WST FPO REQUEST. 3. PREVIOUS CRITERIA WOULD NOT ALLOW PUBLICATION OF A SDF ON CHARTS WITH APV PROCEDURES, CURRENT CRITERIA NO LONGER RESTRICTS SDF PUBLICATION WITH APV PROCEDURES. 4. 8260.19C, PARA 497. 5. NOTE NO LONGER REQUIRED. 6. CREATED RNAV (RNP) Z RWY 7R, ORIG.					

2

RNAV (GPS) - STANDARD
INSTRUMENT APPROACH PROCEDURE - FAR PART 97.33

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NOTES CONT.

CHART PROFILE NOTE: VGS1 AND RNAV GLIDEPATH NOT COINCIDENT.

*LNAV ONLY

CITY AND STATE

PHOENIX, AZ

ELEVATION: 1135 TDZE: 1116

AIRPORT NAME:

PHOENIX SKY HARBOR INTL

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) Y RWY 7R, AMDT 1

SUP: RNAV (GPS) RWY
7R

AMDT: ORIG

DATED: 05/10/2007

RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICE - FAR 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.

FAS DATA BLOCK INFORMATIONDATA FIELDDATA

OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KPHX
RUNWAY	RW07R
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	Y
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W07B
LTP/FTP LATITUDE	332543.8910N
LTP/FTP LONGITUDE	1120137.5670W
LTP/FTP ELLIPSOIDAL HEIGHT	+03088
FPAP LATITUDE	332543.8400N
FPAP LONGITUDE	1120005.5400W
THRESHOLD CROSSING HEIGHT (TCH)	00056.7
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.50
LENGTH OFFSET	0000
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0

CRC REMAINDER

5EE912F4

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K2
LTP ORTHOMETRIC HEIGHT	+03386
FPAP ORTHOMETRIC HEIGHT	+03386

CITY AND STATE

PHOENIX, AZ

ELEVATION: 1135 TDZE: 1116

AIRPORT NAME:

PHOENIX SKY HARBOR INTL

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) Y RWY 7R, AMDT 1

SUP: RNAV (GPS) RWY
7R

AMDT: ORIG

DATED: 05/10/2007

RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICE - FAR PART 97.33

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ARINC PACKET - 424-18 - RNAV (GPS)

[illegible][illegible][illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP KPHXK2FR07RY ABXK	010BXX	K2D 0V	IF							18000		A JS	
SUSAP KPHXK2FR07RY ABXK	020ALLISK2EA0E	A 020TF				07940100		+ 05000				A JS	
SUSAP KPHXK2FR07RY ABXK	030JEPEK2EA0EE	010TF				08170184		+ 04300				A JS	
SUSAP KPHXK2FR07RY APXR	010PXR	K2D 0V	IF							18000		A JS	
SUSAP KPHXK2FR07RY APXR	020JEPEK2EA0EY	A 020TF				25710145		+ 04300				A JS	
SUSAP KPHXK2FR07RY APXR	030JEPEK2EA0EB	CR HF				07790050		+ 04300				A JS	
SUSAP KPHXK2FR07RY R	010JEPEK2EA0E	I IF						+ 04300		18000		A JS	
SUSAP KPHXK2FR07RY R	020OVNUYK2EA1E	F 051TF				07790060		+ 03000			RW07R K2PGA	JS	
SUSAP KPHXK2FR07RY R	020OVNUYK2EA2WALPV		ALNAV/VNAV	ALNAV								JS	
SUSAP KPHXK2FR07RY R	021ADWOTK2EA0E	S 031TF				07800036		V 0184001840		-300		A JS	
SUSAP KPHXK2FR07RY R	030RW07RK2PG0GY	M 031TF				07800021		01168		-300		A JS	
SUSAP KPHXK2FR07RY R	040NAVOQK2EA0E	M 010DF										A JS	
SUSAP KPHXK2FR07RY R	050IWA	K2D 0VY	010TF			1101		+ 05000				A JS	
SUSAP KPHXK2FR07RY R	060IWA	K2D 0VE	HR020HM			36000050		+ 05000				A JS	

CITY AND STATE

PHOENIX, AZ

ELEVATION: 1135 TDZE: 1116

AIRPORT NAME:

PHOENIX SKY HARBOR INTL

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) Y RWY 7R, AMDT 1

SUP:	RNAV (GPS) RWY 7R
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AMDT:	ORIG
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DATED: 05/10/2007

RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICE - FAR 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.

SUSAP KPHXK2GRW07R 0078000780 N33254389W112013757+0200 +0308801111000057150R

SUSAP KPHXK2PR07RY RW07R001Y0000W07B0N3325438910W11201375670+030880300N3325438400W11200055400106500000000567F4005005EE912F4
SUSAP KPHXK2PR07RY RW07R002E +03386+03386LPV 73011 000

SUSAP KPHXK2SRW07RK2PG 0 18018006125 M

SUP:	RNAV (GPS) RWY 7R
AMDT:	ORIG
DATED:	05/10/2007

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICE - FAR 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.

ARINC FLIGHT INSPECTION SUMMARY - VERSION 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
BXK		BXK	010		IF		FB				
BXK		ALLIS	020	IAF	TF		FB	2.0	079.4 (091T)	010.0	05000
BXK		JEPES	030		TF		FB	1.0	081.7 (094T)	018.4	04300
PXR		PXR	010		IF		FB				
PXR		JEPES	020	IAF	TF		FO	2.0	257.1 (269T)	014.5	04300
PXR		JEPES	030		HF	R	FO		077.9 (090T)	005.0	04300
		JEPES	010	FACF	IF		FB				04300
		OVNUY	020	FAF	TF		FB	0.5	077.9 (090T)	006.0	03000
		ADWOT	021	SDF	TF		FB	0.3	078.0 (090T)	003.6	0184001840
		RW07R	030	MAP	TF		FO	0.3	078.0 (090T)	002.1	01168

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	NAVOQ	040		DF		FB	1.0			
	IWA	050		TF		FO	1.0	110.1 (122T)		05000
	IWA	060		HM	R	FO	2.0	360.0 (012T)	005.0	05000

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	BXK	N332712.40	W1124928.50	N3327.207	W11249.475
	IWA	N331811.43	W1113905.19	N3318.191	W11139.087
	PXR	N332558.87	W1115812.72	N3325.981	W11158.212
	ADWOT	N332543.93	W1120408.12	N3325.732	W11204.135
	ALLIS	N332657.18	W1123731.64	N3326.953	W11237.527
	JEPES	N332543.47	W1121534.21	N3325.725	W11215.570
	NAVOQ	N332543.42	W1115321.01	N3325.724	W11153.350
	OVNUY	N332543.88	W1120823.69	N3325.731	W11208.395
	RW07R	N332543.89	W1120137.57	N3325.732	W11201.626

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW07R	01111	57

CITY AND STATE
PHOENIX, AZ

ELEVATION: 1135 TDZE: 1116
AIRPORT NAME:
PHOENIX SKY HARBOR INTL

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:
RNAV (GPS) Y RWY 7R, AMDT 1

SUP: RNAV (GPS) RWY
7R
AMDT: ORIG
DATED: 05/10/2007

STANDARD INSTRUMENT APPROACH PROCEDURE DATA RECORD

PART - A OBSTRUCTION DATA

1. APP SEGMENT	FROM	TO	OBSTRUCTION	COORDINATES	ELEV. MSL	ROC	ALT. ADJUSTMENTS	MIN. ALT.		
FEEDER	PXR VORTAC	JEPES	1. TOWER (04-000299)	332003.00N/1120343.50W	3141 (5D)	2000	AT119 SA-960	4300		
			2. TERRAIN	332203.00N/1120018.00W	1733 (1700)		AS1500	3200		
FEEDER	BXK VORTAC	ALLIS	3. AAO	332945.00N/1123800.00W	1788 (4E)	2000	AT1212	5000		
			4. TERRAIN	332945.00N/1123800.00W	1588 (1600)		AS1500	3100		
INITIAL	ALLIS	JEPES	5. AAO	333030.00N/1123421.00W	3216 (4E)	1000		4300		
			6. TERRAIN	333030.00N/1123421.00W	3016 (3000)		AS1000	4000		
INTERMEDIATE	JEPES (IF/IAF)	OVNUY	7. TOWER (04-000543)	332704.00N/1121231.00W	1294 (5D)	500	DG1206	3000		
			8. TERRAIN	332509.00N/1120951.00W	1063 (1100)		AS1500	2600		
FINAL: LPV	OVNUY	DA	9. LT POLE (KPHX0010)	332544.72N/1120212.47W	1172 (1A)	27.03:1		1390/274		
FINAL: LNAV/VNAV	OVNUY	DA	10. CRANE	332546.21N/1120240.76W	1209 (1A)	23.4:1	MA38	1520/404		
FINAL: LNAV	OVNUY	ADWOT/2.10 NM TO RW07R	11. TOWER (04-000064)	332610.00N/1120637.00W	1535 (1D)	250	AC50	1840		
FINAL: LNAV STEPDOWN	ADWOT/2.10 NM TO RW07R	RW07R	12. BLDG (04-000657)	332643.48N/1120356.39W	1330 (1A)	250	MA100 SA-104	1580		
2. HOLD-IN-LIEU-OF-PT	JEPES	P-6	13. AAO	331945.00N/1122040.00W	3055 (4E)	1000	AT245	4300		
			14. TERRAIN	331945.00N/1122040.00W	2855 (2900)		AS1000	3900		
3. MISSED APPROACH	MAP: DA/DA/RW07R	IWA VORTAC	15. TOWER (04-000297)	332656.22N/1120206.83W	1276 (1A)	ASC		0		
	ELEV: 1172/1241/1330		16. CRANE (04-000704)	332531.26N/1115633.03W	1579 (4D)	1000		2600		
			17. TERRAIN	332812.00N/1115724.00W	1503 (1500)		AS1500	3000		
4. CIRCLING AREA	DISTANCE	HT. ABV. ARPT.								
CATEGORY A	1.3 NM	REQUIRED	350	ACTUAL	605	18. TOWER (04-000804)	332607.14N/1120021.15W	1428 (1A)	300	1740
CATEGORY B	1.5 NM		450		605	18. TOWER (04-000804)	332607.14N/1120021.15W	1428 (1A)	300	1740
CATEGORY C	1.7 NM		450		605	18. TOWER (04-000804)	332607.14N/1120021.15W	1428 (1A)	300	1740
CATEGORY D	2.3 NM		550		785	19. ANT (KPHX0131)	332702.66N/1120423.44W	1602 (1A)	300	1920
CATEGORY E	4.5 NM		550							
5. MINIMUM SAFE ALTITUDES	PRIMARY NAVAID: RW07R									
SECTOR	OBSTRUCTION	BRG/DIST	ELEVATION (MSL)	M S A	SECTOR	OBSTRUCTION	BRG/DIST	ELEVATION (MSL)	M S A	
360-360	AAO	076/ 29.0	5017 (4E)	6100						
CITY AND STATE	AIRPORT & ELEVATION		1135	FACILITY		PROCEDURE AND AMENDMENT NO:		REGION		
PHOENIX, AZ	PHOENIX SKY HARBOR INTL			RNAV		RNAV (GPS) Y RWY 7R, AMDT 1		AWP		

NOTES / EXPLANATIONS FROM OPPOSITE SIDE OF FORM:
SEE ATTACHED AIRSPACE LETTER.

LPV, LNAV/VNAV AND LNAV: INTERMEDIATE CONTROLLING
OBSTACLE AND HIGH TERRAIN THE SAME.

TAA NOT USED PER WST FPO.

LPV: INNER SURFACE 27.03:1, OUTER SURFACE 34:1.
LNAV/VNAV: INNER SURFACE 23.4:1, OUTER SURFACE 34:1.

MISSED APPROACH: LNAV/VNAV HIGH TERRAIN DOCUMENTED ON
FRONT OF FORM

LNAV HIGH TERRAIN 1464 AT 332754.00N/1115757.03W

LPV HIGH TERRAIN 1372 AT 332121.00N/1114042.00W

ALL 3 BASED ON HIGH DTED WITHIN MISSED APPROACH AREA.

OBS 9 PENETRATES LPV W SURFACE 13.12'. KPHX, LT POLE
332549.30N/1120215.17W ALSO PENETRATES THE LPV SURFACE
25.24'.

OBS 10 PENETRATES LNAV/VNAV INNER SURFACE 26.94'. KPHX
CRANE 332550.22N/1120245.42 ALSO PENETRATES THE
VNAV INNER SURFACE 7.06'.

MISSED APPROACH ADJUSTMENTS:

OBS 15 PENETRATES LNAV/VNAV MISSED APCH SURFACE PRIOR
TO ADJUSTMENT.

OBS 18 PENETRATES LNAV MISSED APPROACH SURFACE PRIOR TO
ADJUSTMENT.

34:1 VISI PENETRATIONS:

KPHX0035 OL ON LT POLE 332537.98N/1120204.58W 1182',
9.69' PENETRATION.

KPHX0032 OL LIGHT POLE 332538.60N/1120155.50 1163',
13.31' PENETRATION.

60' TREES USED PER WST FPO.

FINAL STEP DOWN OBS 12 1703' INTO THE SECONDARY AREA.
FEEDER OBS 1 11024' INTO SECONDARY AREA.

PXR VORTAC: 3325.981N/11158.212W

BXK VORTAC: 3327.207N/11249.475W

ALLIS: 3326.953N/11237.527W

JESES: 3325.725N/11215.570W

OVNUY: 3325.731N/11208.395W

ADWOT: 3325.732N/11204.135W

WOTR: 3325.732N/11201.626W

WQ: 3325.724N/11153.350W

WORTAC: 3318.191N/11139.087W

FLIGHT CHECK VERIFICATION REQUIRED FOR 4D ACCURACY OF
OBS 16, CRANE 04-000704, 332531.26N/1115633.03W, 420
AGL/1579 MSL.

PART B - SUPPLEMENTAL DATA					
1. COMMUNICATIONS WITH:		2. WEATHER SERVICE		3. ALTIMETER SETTING	
ZAB ARTCC PHX APP CON PHX TOWER		N W S		SOURCE: DISTANCE: HOURS REMOTE OPERATION: ADJUSTMENT:	
		F A A			
		A / C			
SATISFACTORY ON:		LOCATION:			
<input checked="" type="checkbox"/> V H F <input checked="" type="checkbox"/> U H F <input type="checkbox"/> H F		KPHX			
		HRS OPTN:			
4. MONITOR STATUS	PRIMARY			SECONDARY	
	NAVAID:			NAVAID:	
	MONITOR POINT:			MONITOR POINT:	
	HRS OPTN:	CAT 1		HRS OPTN:	CAT 1
5. AIRSPACE		FLOOR OF CONTROLLED AIRSPACE UNDER FAC		CONTROL AREA	
		CONTROL ZONE:		HOURS OPTN	TRANSITION AREA
6. APPROACH & RUNWAY LIGHTING	ALS		X	REIL 25R, 26	
	(S) SALS			TDZ	
	X	MALSR 07R, 25L, 07L MALSF 08			C/LINE
	X	HIRL 25R, 07R, 25L, 08, 07L, 26		X	OTHER (SPECIFY) PAPI-4L 25R, 07R, 25L, 08, 07L, 26
		MIRL			
7. RUNWAY MARKINGS					
ALL WEATHER PIR-G 25R, 07R, 25L, 08, 07L, 26					
INSTRUMENT					
9. GLIDE SLOPE		G S ANGLE: 3.00		ELEV RWY THRESHOLD: 1110.9	
		DISTANCE FROM RWY:		ELEV GS ANTENNA:	
				THRESHOLD CROSSING HEIGHT: 56.7	
10. FINAL APPROACH		X	RUNWAY THRESHOLD		FT. FROM THRESHOLD
COURSE AIMING		X	ON CENTERLINE		FT. FROM CENTERLINE
11. WAIVERS OF STANDARDS		NUMBER OF WAIVERS ON FILE NONE		DATES OF APPROVAL	
PART C - REMARKS: PARA 251, 34:1 PENETRATION. TERPS PARAGRAPH 289 APPLIED TO 1602 BLDG 332702.66N/1120423.44W. PRECIPITOUS TERRAIN EVALUATION COMPLETED. BLOCK 2: LOCATION: ON AIRPORT, HRS OPTN: 24. BLOCK 3: SOURCE KPHX. NO BACK-UP ALTIMETER, MULTIPLE REDUNDANT SOURCES ON AIRPORT. VGSI DATA: 3.00/75 TCH					
PART D - PREPARED BY: DION E. LANCIA				DATE: 10/28/2008	
TITLE: AERONAUTICAL INFORMATION SPECIALIST				OFFICE: AVN-130	

QUALITY
2
CHECKED