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
GICGE (IAF)	COMGU (FB)	040.19 / 9.04	4300
COMGU	BOBRE (FB)	017.62 / 8.00	3400
BOBRE (IF)	OTRRR (FB)	302.66 / 6.00	3000
OTRRR (FAF)	ORIYE/1.90 NM TO RW30C (FB)	302.62 / 3.06	
ORIYE/1.90 NM TO RW30C	RW30C (MAP) (FO)	302.60 / 1.90	
RW30C (MAP)	2800 MSL	302.60	2800
2800 MSL	GICGE (FO)		5000

MISSED APPROACH

LPV: DA
LNAV/VNAV: DA
LNAV: RW30C

CLIMB TO 2800 THEN CLIMBING LEFT TURN TO 5000 DIRECT GICGE AND HOLD.

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. PROFILE STARTS AT BOBRE
3. FAC: 302.62 FAF: OTRRR DIST FAF TO MAP: 4.96 THLD: 4.96
4. MIN. ALT: BOBRE 3400, OTRRR 3000, ORIYE/1.90 NM TO RW30C 2020*
5. DIST TO THLD FROM OM: ____ MM: ____ IM: ____ 150 HAT: ____ 100 HAT: ____ GS ANT: ____
6. MIN GS INCPT: 3000 GS ALT AT: OTRRR 3000 OM: ____ MM: ____ IM: ____
7. GS ANGLE: 3.00 TCH: 41.5 34:1 IS CLEAR
8. MSA FROM: RW30C 8900

ADDITIONAL FLIGHT DATA:
HOLD SE, LT, 322.44 INBOUND.
CHART FAS OBST: 1489 POWERLINE 331640N/1113704W
CHART R-2310A/B/C.
DISTANCE TO THLD FROM 200 HATH: 0.50 NM.
CHART VDP AT 1.16 MILES TO RW30C*
*LNAV ONLY.
WAAS CHANNEL # 62911
REFERENCE PATH ID: W30A
LTP HAE: 391 M
1709 AAO 331457N/1113319W.

MAG VAR: 13E EPOCH YEAR: 1980

MINIMUMS

TAKEOFF: 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	1580	3/4	200	1580	3/4	200	1580	3/4	200	1580	3/4	200	1580	3/4	200
LNAV/VNAV DA	1630	7/8	250	1630	7/8	250	1630	7/8	250	1630	7/8	250	1630	7/8	250
LNAV MDA	1800	1	420	1800	1	420	1800	1 1/8	420	1800	1 1/8	420	1800	1 1/8	420
CIRCLING	1800	1	418	1840	1	458	1840	1 1/2	458	1940	2	558	2040	2 1/4	658

NOTES:
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -2C (29F) OR ABOVE 35C (95F).
CHART NOTE: DME/DME RNP-0.3 NA.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT GICGE ON V16 SOUTHEAST BOUND.
CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT.
(SEE FORM 8260-10)

@ CAT E 800-2 1/4
@ NA WHEN LOCAL WEATHER NOT AVAILABLE.

QUALITY 5 CHECKED

CITY AND STATE	ELEVATION: 1382 THRE: 1380	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP: RNAV (GPS) RWY 30C
PHOENIX, AZ	AIRPORT NAME: PHOENIX-MESA GATEWAY	RNAV	RNAV (GPS) Y RWY 30C, AMDT 1	AMDT: ORIG
				DATED 03/12/2009

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] ZAB, PHX APP CON, IWA ATCT, AMGR

FLIGHT CHECKED BY		
NAME:	FIFO	DATE:

DEVELOPED BY		
NAME: JACOB A. POWERS	FIFO AJV-354	DATE: 09/13/2011

APPROVED BY		
NAME: DEZ SILAGYI MANAGER	FIFO AJV-354	DATE:

CHANGES:

1. GICGE TO COMGU TERMINAL ROUTE COURSE/DISTANCE CHANGED FROM 032.49/8.69 TO 040.19/9.04.
2. COMGU TO BOBRE TERMINAL ROUTE COURSE CHANGED FROM 032.56 TO 017.62.
3. SNOWL REPLACED WITH OTRRR AS FAF.
4. INTERMEDIATE COURSE CHANGED FROM 302.67 TO 302.66, ALTITUDE LOWERED FROM 3300 TO 3000.
5. MISSED APPROACH CHANGED FROM SERIES OF TF LEGS TO CLIMB TO 2800 THEN CLIMBING LEFT TURN TO 5000 DIRECT GICGE.
6. MISSED APPROACH HOLDING COURSE INBOUND CHANGED FROM 322.58 TO 322.44.
7. DISTANCE TO THLD FROM 250 HAT REPLACED WITH DISTANCE TO THLD FROM 200 HATH.
8. FAC CHANGED FROM 302.63 TO 302.62.
9. MIN GS INCPT CHANGED FROM 3300 TO 3000.
10. TCH CHANGED FROM 41.4 TO 41.5.
11. LPV DA LOWERED FROM 1630 TO 1580 FOR ALL CATS.
12. LPV ALL CATS VISIBILITY LOWERED FROM 1 TO 3/4.
13. LNAV/VNAV DA LOWERED FROM 1680 TO 1630.
14. LNAV/VNAV ALL CATS VISIBLITY LOWERED FROM 1 TO 7/8.

SEE 8260-10

REASONS:

1. COMGU MOVED TO ACCOMODATE LEG LENGTH REQUIREMENTS.
2. COMGU AND BOBRE MOVED TO ACCOMODATE LEG LENGTH REQUIREMENTS.
3. ATC REQUEST, MATCHES RNAV (RNP) PROCEDURE TO SAME RUNWAY.
4. FAF MOVED DUE TO ATC REQUEST TO LOWER FAF ALTITUDE, MATCHES RNAV (RNP) PROCEDURE TO SAME RUNWAY.
5. LEG LENGTH REQUIREMENTS WOULD REQUIRE SUBSTANTIAL REDESIGN OF TF LEG BASED MISSED APPROACH.
6. ALIGNS WITH AIRWAY.
7. 200' HATH PUBLISHED.
8. UPDATED CALCULATION.
9. ATC REQUEST.
10. MATCHES ESTABLISHED ILS TCH.
11. 200' HATH NOW PERMITTED FOR LPV.
12. UPDATED VALUE FROM CRITIERIA BASED ON LOWERED DA.
13. OBSTACLE EVAL BASED ON UPDATED CRITIERIA.
14. UPDATED VALUE FROM CRITERIA BASED ON LOWERED DA.

SEE 8260-10

QUALITY 5 CHECKED

NOTES, (CONT.):
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE PHOENIX SKY HARBOR INTL ALTIMETER SETTING AND INCREASE ALL DA AND MDA 80 FEET, INCREASE LPV ALL CATS VISIBILITY 1/8 MILE AND LNAV/VNAV ALL CATS, LNAV CATS C, D, AND E, AND CIRCLING CAT E 1/4 MILE.
CHART NOTE: VDP AND BARO-VNAV NA WITH PHOENIX SKY HARBOR INTL ALTIMETER SETTING.

QUALITY 5 CHECKED

CITY AND STATE	ELEVATION: 1382 THRE: 1380 AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP: RNAV (GPS) RWY 30C
PHOENIX, AZ	PHOENIX-MESA GATEWAY	RNAV	RNAV (GPS) Y RWY 30C, AMDT 1	AMDT: ORIG
				DATED: 03/12/2009

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:

CHANGES CONT.
15. LNAV CATS C AND D VISIBILITY LOWERED FROM 1 1/4 TO 1 1/8, CAT E LOWERED FROM 1 1/2 TO 1 1/8. 16. CIRCLING CAT E MDA INCREASED FROM 1980 TO 2040. 17. CIRCLING CAT E VISIBILITY INCREASED FROM 2 TO 2 1/4. 18. BARO-VNAV CRITICAL TEMPERATURES CHANGED FROM -17C(2F)/46C(114F) TO -2C(29F)/35C(95F). 19. ADDED PROCEDURE NA FOR ARRIVAL AT GICGE PLANVIEW NOTE. 20. ADDED CAT E EXCEPTION TO ALTERNATE MINS. 21. MODIFIED VISIBILITY INCREASES IN BACK UP ALTIMETER SETTING NOTE. 22. NAME CHANGED FROM RNAV (GPS) RWY 30C TO RNAV (GPS) Y RWY 30C.

REASONS:

REASONS CONT.
15. UPDATED VALUE FROM CRITIERIA.
16. APPLICATION OF AAO IN CIRCLING OUTSIDE OF 20,000' AAO EXEMPT AREA.
17. UPDATED VALUE FROM CRITERIA BASED ON INCREASED MDA.
18. CALCULATIONS BASED ON UPDATED CRITIERIA AND USE OF ACUTAL COLD TEMPERATURE.
19. TURNS GREATER THAN 90 DEGREES NOT PERMITTED.
20. CAT E CIRCLING VISIBLITY IS GREATER THAN 2.
21. UPDATED VALUES FROM CRITERIA.
22. RNAV (RNP) PROCEDURE PUBLISHED.

CHANGES TO FORM MADE OUTSIDE OF IFP-SIAP:
1. REMOVED NA FROM LINE 1 OF 8260-3.
2. REMOVED RNP VALUE FROM HM LEG ON ARINC RECORD AND FLIGHT INSPECTION SUMMARY.

QUALITY CHECKED 5

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FAS DATA BLOCK INFORMATION

DATA FIELD	DATA
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KIWA
RUNWAY	RW30C
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	Y
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W30A
LTP/FTP LATITUDE	331751.3350N
LTP/FTP LONGITUDE	1113833.1880W
LTP/FTP ELLIPSOIDAL HEIGHT	+03910
FPAP LATITUDE	331903.4100N
FPAP LONGITUDE	1113957.3200W
THRESHOLD CROSSING HEIGHT (TCH)	00041.5
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0000
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	35.0
CRC REMAINDER	02A5CB77

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K2
LTP ORTHOMETRIC HEIGHT	+04206
FPAP ORTHOMETRIC HEIGHT	+04206

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.

ARINC PACKET - 424-18 - RNAV (GPS)

```
                1         2         3         4         5         6         7         8         9         0         1         2         3
WP      123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAEAENRT   BOBRE K20    W     N33100057W111292504                      E0107     NAR           BOBRE
        SUSAEAENRT   COMGU K20    W     N33030678W111341626                      E0107     NAR           COMGU
        SUSAEAENRT   GICGE K20    C   L N32574137W111425302                      E0107     NAR           GICGE
        SUSAEAENRT   ORIYE K20    C     N33162974W111365802                      E0108     NAR           ORIYE
        SUSAEAENRT   OTRRR K20    W     N33141845W111342501                      E0107     NAR           OTRRR
                1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KIWAK2AIWA     0     104YHN33182820W111391970E013001382         1800018000C    MNAR    PHOENIX-MESA GATEWAY
                1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KIWAK2FR30CY AGICGE 010GICGEK2EA0E  A    IF                                                18000 .                A JS
        SUSAP KIWAK2FR30CY AGICGE 020COMGUK2EA0E    010TF                    04020090    + 04300                              A JS
        SUSAP KIWAK2FR30CY AGICGE 030BOBREK2EA0EE B 010TF                    01760080    + 03400                              A JS
        SUSAP KIWAK2FR30CY R      010BOBREK2EA0E  I    IF                                + 03400     18000                    A JS
        SUSAP KIWAK2FR30CY R      020OTRRRK2EA1E  F 051TF                    30270060    + 03000                  RW30C K2PGA JS
        SUSAP KIWAK2FR30CY R      020OTRRRK2EA2WALPV       ALNAV/VNAV ALNAV                                                     JS
        SUSAP KIWAK2FR30CY R      021ORIYEK2EA0E S  031TF                    30260031    V 0202002027        -300             A JS
        SUSAP KIWAK2FR30CY R      030RW30CK2PG0GY M 031TF                    30260019      01421             -300             A JS
        SUSAP KIWAK2FR30CY R      040         0  M     CA                    3026        + 02800                              A JS
        SUSAP KIWAK2FR30CY R      050GICGEK2EA0EY  L   DF                                + 05000                              A JS
        SUSAP KIWAK2FR30CY R      060GICGEK2EA0EE  L   HM                    32240050    + 05000                              A JS
                1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY  123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KIWAK2GRW30C   0102013026 N33175134W111383319-0300    +0391001380000041150I
                1         2         3         4         5         6         7         8         9         0         1         2         3
PP      123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KIWAK2PR30CY RW30C001Y0000W30A0N3317513350W11138331880+039100300N3319034100W1113957320010675000000415F40035002A5CB77
        SUSAP KIWAK2PR30CY RW30C002E      +04206+04206LPV       62911
```

CITY AND STATE	ELEVATION: 1382 THRE: 1380	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP: RNAV (GPS) RWY 30C
PHOENIX, AZ	AIRPORT NAME: PHOENIX-MESA GATEWAY	RNAV	RNAV (GPS) Y RWY 30C, AMDT 1	AMDT: ORIG
				DATED: 03/12/2009

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:

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```
                1         2         3         4         5         6         7         8         9         0         1         2         3
MSA     12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KIWAK2SRW30CK2PG                0   18018008925                                                                M
```

4

CITY AND STATE	ELEVATION: 1382 THRE: 1380	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP: RNAV (GPS) RWY 30C
PHOENIX, AZ	AIRPORT NAME: PHOENIX-MESA GATEWAY	RNAV	RNAV (GPS) Y RWY 30C, AMDT 1	AMDT: ORIG
				DATED: 03/12/2009

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 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 aiport 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
	GICGE	GICGE	010	IAF	IF						
	GICGE	COMGU	020		TF		FB	1.0	040.2(053.2T)	009.0	04300
	GICGE	BOBRE	030	IF	TF		FB	1.0	017.6(030.6T)	008.0	03400
		BOBRE	010	FACF	IF						03400
		OTRRR	020	FAF	TF		FB	0.5	302.7(315.7T)	006.0	03000
		ORIYE	021	SDF	TF		FB	0.3	302.6(315.6T)	003.1	0202002027
		RW30C	030	MAP	TF		FO	0.3	302.6(315.6T)	001.9	01421

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE
		040		CA				302.6(315.6T)		02800
	GICGE	050		DF	L	FO				05000
	GICGE	060		HM	L	FO		322.4(335.4T)	005.0	05000

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	BOBRE	N331000.57	W1112925.04	N3310.010	W11129.417
	COMGU	N330306.78	W1113416.26	N3303.113	W11134.271
	GICGE	N325741.37	W1114253.02	N3257.690	W11142.884
	ORIYE	N331629.74	W1113658.02	N3316.496	W11136.967
	OTRRR	N331418.45	W1113425.01	N3314.308	W11134.417
	RW30C	N331751.34	W1113833.19	N3317.856	W11138.553

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW30C	01380	41

4

CITY AND STATE	ELEVATION: 1382 THRE: 1380	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP: RNAV (GPS) RWY 30C
PHOENIX, AZ	AIRPORT NAME: PHOENIX-MESA GATEWAY	RNAV	RNAV (GPS) Y RWY 30C, AMDT 1	AMDT: ORIG
				DATED: 03/12/2009

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:

STANDARD INSTRUMENT APPROACH PROCEDURE DATA RECORD

PART - A OBSTRUCTION DATA

1. APP SEGMENT	FROM	TO	OBSTRUCTION	COORDINATES	ELEV. MSL	ROC	ALT. ADJUSTMENTS	MIN. ALT.
INITIAL	GICGE	COMGU	1. AAO	330022.90N/1114019.80W	2955 (6C)	1000		4000
			2. TERRAIN	330022.90N/1114019.80W	2755 (2800)		AS1500	4300
INITIAL: STEPDOWN	COMGU	BOBRE	3. AAO	330357.00N/1113057.00W	2064 (4E)	1000		3100
			4. TERRAIN	330357.00N/1113057.00W	1864 (1900)		AS1500	3400
INTERMEDIATE	BOBRE	OTRRR	5. TOWER (04-000500)	331450.19N/1113151.46W	2221 (5D)	500	AT279	3000
			6. TERRAIN	331030.00N/1112745.00W	1592 (1600)		AS1000	2600
FINAL: LPV	OTRRR	RW30C				ASC		1580/200
FINAL: LNAV/VNAV	OTRRR	RW30C				ASC		1630/250
FINAL: LNAV	OTRRR	ORIYE/1.90 NM TO RW30C	7. AAO	331521.32N/1113448.59W	1679 (2C)	250	RA80	2020
FINAL: LNAV STEPDOWN	ORIYE/1.90 NM TO RW30C	RW30C	8. POWERLINE	331639.50N/1113703.60W	1489 (4D)	250	AC50	1800
2. PROCEDURE TURN	NA							
3. MISSED APPROACH MAP:	DA / DA / RW30C	GICGE				ASC		5000
			9. AAO	331027.65N/1114231.83W	3304 (2C)	1000		4400
ELEV:	1419/1469/1700		10. TERRAIN	331027.65N/1114231.83W	3104 (3100)		AS1500	4600
			11. ANT ATCT	331815.31N/1113952.87W	1496 (1A)	300		1800
			12. TANK (KIWA0068)	331937.96N/1113758.96W	1526 (1A)	300		1840
			12. TANK (KIWA0068)	331937.96N/1113758.96W	1526 (1A)	300		1840
			12. TANK (KIWA0068)	331937.96N/1113758.96W	1526 (1A)	300	HAA	1940
			13. AAO	332025.29N/1113357.33W	1729 (2C)	300		2040

4. CIRCLING AREA	DISTANCE	HT. ABV. ARPT. REQUIRED	HT. ABV. ARPT. ACTUAL
CATEGORY A	1.3 NM	350	416
CATEGORY B	1.5 NM	450	456
CATEGORY C	1.7 NM	450	456
CATEGORY D	2.3 NM	550	556
CATEGORY E	4.5 NM	550	656

5. MINIMUM SAFE ALTITUDES — PRIMARY NAVAID: RW30C

SECTOR	OBSTRUCTION	BRG/DIST	ELEVATION (MSL)	M S A	SECTOR	OBSTRUCTION	BRG/DIST	ELEVATION (MSL)	M S A
360-360	AAO	022/ 28.5	7857 (6C)	8900					5

CHECKED

CITY AND STATE	ELEVATION: 1382 / AIRPORT NAME:	FACILITY	PROCEDURE AND AMENDMENT NO:	REGION
PHOENIX, AZ	PHOENIX-MESA GATEWAY	RNAV	RNAV (GPS) Y RWY 30C, AMDT 1	AWP

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
GICGE (IAF)	COMGU (FB)	040.19 / 9.04	4300
COMGU	BOBRE (FB)	017.62 / 8.00	3400
BOBRE (IF)	OTRRR (FB)	302.66 / 6.00	3000
OTRRR (FAF)	ORIYE/1.90 NM TO RW30C (FB)	302.62 / 3.06	
ORIYE/1.90 NM TO RW30C	RW30C (MAP) (FO)	302.60 / 1.90	
RW30C (MAP)	2800 MSL	302.60	2800
2800 MSL	GICGE (FO)		5000

MISSED APPROACH

LPV: DA
LNAV/VNAV: DA
LNAV: RW30C

CLIMB TO 2800 THEN CLIMBING LEFT TURN TO 5000 DIRECT GICGE AND HOLD.

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. PROFILE STARTS AT BOBRE
3. FAC: 302.62 FAF: OTRRR DIST FAF TO MAP: 4.96 THLD: 4.96
4. MIN. ALT: BOBRE 3400, OTRRR 3000, ORIYE/1.90 NM TO RW30C 2020*
5. DIST TO THLD FROM OM: ____ MM: ____ IM: ____ 150 HAT: ____ 100 HAT: ____ GS ANT: ____
6. MIN GS INCPT: 3000 GS ALT AT: OTRRR 3000 OM: ____ MM: ____ IM: ____
7. GS ANGLE: 3.00 TCH: 41.5 34:1 IS CLEAR
8. MSA FROM: RW30C 8900

ADDITIONAL FLIGHT DATA:
HOLD SE, LT, 322.44 INBOUND.
CHART FAS OBST: 1489 POWERLINE 331640N/1113704W
CHART R-2310A/B/C.
DISTANCE TO THLD FROM 200 HATH: 0.50 NM.
CHART VDP AT 1.16 MILES TO RW30C*
*LNAV ONLY.
WAAS CHANNEL # 62911
REFERENCE PATH ID: W30A
LTP HAE: 391 M
1709 AAO 331457N/1113319W.

MAG VAR: 13E EPOCH YEAR: 1980

MINIMUMS

TAKEOFF: 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	1580	3/4	200	1580	3/4	200	1580	3/4	200	1580	3/4	200	1580	3/4	200
LNAV/VNAV DA	1630	7/8	250	1630	7/8	250	1630	7/8	250	1630	7/8	250	1630	7/8	250
LNAV MDA	1800	1	420	1800	1	420	1800	1 1/8	420	1800	1 1/8	420	1800	1 1/8	420
CIRCLING	1800	1	418	1840	1	458	1840	1 1/2	458	1940	2	558	2040	2 1/4	658

NOTES:
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -2C (29F) OR ABOVE 35C (95F).
CHART NOTE: DME/DME RNP-0.3 NA.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT GICGE ON V16 SOUTHEAST BOUND.
CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT.
(SEE FORM 8260-10)

@ CAT E 800-2 1/4
@ NA WHEN LOCAL WEATHER NOT AVAILABLE.

QUALITY 5 CHECKED

CITY AND STATE	ELEVATION: 1382 THRE: 1380	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP: RNAV (GPS) RWY 30C
PHOENIX, AZ	AIRPORT NAME: PHOENIX-MESA GATEWAY	RNAV	RNAV (GPS) Y RWY 30C, AMDT 1	AMDT: ORIG
				DATED 03/12/2009

RADIO FIX AND HOLDING DATA RECORD

NAME: BOBRE **STATE:** AZ **COUNTRY:** US

LATITUDE/LONGITUDE: 331000.57N/1112925.04W **TYPE:** WP

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

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

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	RNAV (GPS) Y RWY 30C			KIWA	PHOENIX	AZ (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1 **DATE OF REVISION:** 02/09/2012

REASON FOR REVISION:
FIX MOVED 5185 FT NORTHWEST.
KIWA R30C REMOVED FROM FIX MAKE UP FACILITIES.

DEVELOPED BY: **DATE:** 09/12/2011 **OFFICE:** AJV-354 **NAME:** JACOB POWERS

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

SIGNATURE:

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

QUALITY 5 CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: COMGU **STATE:** AZ **COUNTRY:** US

LATITUDE/LONGITUDE: 330306.78N/1113416.26W **TYPE:** WP

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

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

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	RNAV (GPS) Y RWY 30C			KIWA	PHOENIX	AZ (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1 **DATE OF REVISION:** 02/09/2012

REASON FOR REVISION:
FIX MOVED 1.24 NM SOUTHEAST.
REMOVED SEZUW FROM FIX MAKE UP FACILITIES.
UPDATED FIX USE.

DEVELOPED BY: **DATE:** 09/12/2011 **OFFICE:** AJV-354 **NAME:** JACOB POWERS

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

SIGNATURE:

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

QUALITY 5 CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: GICGE **STATE:** AZ **COUNTRY:** US

LATITUDE/LONGITUDE: 325741.37N/1114253.02W **TYPE:** WP, DME

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

FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM FAC NM	DIST FROM FAC FEET	MRA	MAA
1	PHOENIX	PXR	VORTAC	H	143.44	155.44	31.03	31.03		5000	17500

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	SE		WP	142.44	322.44	L		5	5000	17500	6	21

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	AAO	330022.90N/1114019.80W	2955	6C
1	310	AAO	330022.90N/1114019.80W	2955	6C

REASON FOR NONSTANDARD HOLDING:
PAT 1 TERRAIN

HOLDING RESTRICTIONS:
HOLDING LIMITED TO ESTABLISHED PATTERN.

REMARKS:
PRECIPITOUS TERRAIN EVALUATION COMPLETED.
310K HOLDING EVALUATED FOR MILITARY USE.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
EN ROUTE	V16	1				(US)
IAP	RNAV (GPS) Y RWY 30C		1	KIWA	PHOENIX	AZ (US)
IAP	RNAV (RNP) Z RWY 30C		1	KIWA	PHOENIX	AZ (US)

REQUIRED CHARTING: IAP, CONTROLLER, EN ROUTE LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1 **DATE OF REVISION:** 02/09/2012

REASON FOR REVISION:
PXR VORTAC MAA CHANGED FROM 6000 TO 17500, DIST FROM FAC ADDED IN NM.
PAT 1 CRS INBOUND CHANGED FROM 322.58 TO 322.44.

DEVELOPED BY: **DATE:** 09/12/2011 **OFFICE:** AJV-354 **NAME:** JACOB POWERS

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

SIGNATURE:

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

QUALITY 5 CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: ORIYE **STATE:** AZ **COUNTRY:** US

LATITUDE/LONGITUDE: 331629.74N/1113658.02W **TYPE:** WP, DME

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

FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM FAC NM	DIST FROM FAC FEET	MRA	MAA
1	PHOENIX	I-IWA	LOC		122.58	135.58		3.80		1840	5800
2	WILLIE	IWA	VORTAC	L	120.59	133.59	2.45	2.45		1840	5800

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

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	ILS OR LOC RWY 30C	1, 2		KIWA	PHOENIX	AZ (US)
IAP	RNAV (GPS) Y RWY 30C			KIWA	PHOENIX	AZ (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1 **DATE OF REVISION:**

REASON FOR REVISION:
KIWA R30C REMOVED FROM FIX MAKE UP FACILITIES.
DIST FROM FAC IN NM ADDED FOR FAC 1 AND 2.

DEVELOPED BY: **DATE:** 09/13/2011 **OFFICE:** AJV-354 **NAME:** JACOB POWERS

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

SIGNATURE:

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

QUALITY 5 CHECK

RADIO FIX AND HOLDING DATA RECORD

NAME: OTRRR **STATE:** AZ **COUNTRY:** US

LATITUDE/LONGITUDE: 331418.45N/1113425.01W **TYPE:** WP

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

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	RNAV (GPS) Y RWY 30C			KIWA	PHOENIX	AZ (US)
IAP	RNAV (RNP) Z RWY 30C			KIWA	PHOENIX	AZ (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG **DATE OF REVISION:** 02/09/2012

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

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

SIGNATURE:

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

QUALITY 5 CHECKED

TERMINAL AIRSPACE DATA REQUIREMENTS

CITY: **PHOENIX** STATE: **AZ**

AIRPORT NAME: **PHOENIX-MESA GATEWAY** ID: **KIWA**

PROCEDURE: **RNAV (GPS) Y RWY 30C** AMDT: **1**

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 **THLD** to 1000' point **3.39**
   (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 **315.62**
4. High Terrain in **FINAL** segment containing 1000' point **1479**
5. Distance from **THLD** to 1500' point **10.36**
   (If 1500' point in PT maneuvering area or holding pattern note in remarks)
6. Width of **INTERMEDIATE** segment at 1500' point **4.00**
7. True Course of **INTERMEDIATE** segment containing 1500' point **315.66**
8. High Terrain in **INTERMEDIATE** segment containing 1500' point **1592**
9. Threshold Coordinates (if straight-in) ... **331751.34N** / **1113833.19W**
10. ARP Coordinates ..... **331828.20N** / **1113919.70W**
11. Runway Approach End and distance furthest from ARP.....RWY **12R**
    Distance **1.05** NM
12. FAF Coordinates ..... **331418.45N** / **1113425.01W**
    (Click to Select)

REMARKS: Approach/Drawing attached.

RADIO FIX AND HOLDING DATA RECORD

CANCELLED
9.15.11

NAME: IBIXE **STATE:** AZ **COUNTRY:** US

LATITUDE/LONGITUDE: 332224.96N/1114352.90W **TYPE:** WP

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

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	KIWA R30C					315.58	6.38				17500

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	PHOENIX-MESA GATEWAY- RNAV (GPS) RWY 30C			KIWA	PHOENIX	AZ (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG **DATE OF REVISION:** 03/12/2009

DEVELOPED BY: **DATE:** 09/12/2008 **OFFICE:** AVN-130 **NAME:** KEITH SHYKES

APPROVED BY: **DATE:** **OFFICE:** AVN-130 **NAME:** RICK WEBB

SIGNATURE:

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

QUALITY 5 CHECKED