US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

ILS - STANDARD
INSTRUMENT APPROACH PROCEDURE
TITLE 14 CFR PART 97.29

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
PDZ VORTAC	EXPAM INT/RADAR	323.63 / 3.58	3800
SLI VORTAC (IAF)	JASER INT (NOPT)	040.05 / 22.55	3000
POM VORTAC (IAF)	JASER INT (NOPT)	117.99 / 7.02	3000
PIRRO INT (IAF)	JASER INT (NOPT)	089.12 / 9.84 (I-RAL)	3000
JASER INT (IF)	EXPAM INT/RADAR	089.04 / 6.56 (I-RAL)	2500

MISSED APPROACH

ILS: DA
LOC: 5.33 MILES AFTER EXPAM INT/RADAR

CLIMB TO 2000 THEN CLIMBING RIGHT TURN TO 4200 ON PDZ VORTAC R-098 TO PDZ VORTAC THEN ON PDZ VORTAC R-256 TO WISUP INT/PDZ VORTAC 9.43 DME AND HOLD, OR AS DIRECTED BY ATC.

ALTERNATE MA: CLIMB TO 2000 THEN CLIMBING RIGHT TURN TO (SEE FORM 8260-10)

ADDITIONAL FLIGHT DATA:
HOLD W, RT, 076.38 INBOUND.
CHART IN PLANVIEW: ALTERNATE MA HOLDING, HOLD SE HDF VOR, RT, 315.37 INBOUND.
CHART FAS OBST: 1079 TREE 335720N/1172953W
CHART IN PLANVIEW: HDF VOR.

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. HOLD W EXPAM, RT, 089.04 INBOUND, 2800 FT. IN LIEU OF PT (IAF)
3. FAC: 089.04 FAF: EXPAM INT/RADAR DIST FAF TO MAP: 5.33 THLD: 5.33
4. MIN. ALT: EXPAM 2500
5. DIST TO THLD FROM OM: - MM: - IM: - 150 HAT: - 100 HAT: - GS ANT: 700
6. MIN GS INCPT: 2500 GS ALT AT: EXPAM 2500 OM: - MM: - IM: -
7. GS ANGLE: 3.00 TCH: 40.9
8. MSA FROM: RAL VOR 005-095 11900, 095-275 7000, 275-005 11300

MAG VAR: 14E EPOCH YEAR: 2000

MINIMUMS

TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT | ALTERNATE: N A | ILS: STANDARD # | LOC: 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
S-ILS 9 *	960	1/2	200	960	1/2	200	960	1/2	200	960	1/2	200			
S-ILS 9	1096	5/8	336	1096	5/8	336	1096	5/8	336	1096	5/8	336			
S-LOC 9 *	1280	1/2	520	1280	1/2	520	1280	1	520	1280	1	520			
S-LOC 9	1360	1/2	600	1360	1/2	600	1360	1 1/4	600	1360	1 1/4	600			
CIRCLING	1360	1	541	1360	1	541	1620	2 1/4	801	1620	2 1/2	801			

NOTES:
CHART NOTE: CIRCLING TO RWY 16 NA AT NIGHT.
CHART NOTE: WHEN VGSI INOP, CIRCLING RWY 34 NA AT NIGHT.
CHART NOTE: CIRCLING NA N OF RWY 9-27 FOR CAT D.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS ON POM VORTAC AIRWAY RADIALS 073 CW 164. (SEE FORM 8260-10)

CAT C 900-2 1/4, CAT D 900-2 1/2
@ CAT C 900-2 1/4, CAT D 900-2 1/2
# @ NA WHEN LOCAL WEATHER NOT AVAILABLE.
#@ NA WHEN CONTROL TOWER CLOSED.

QUALITY CHECKED 9

CITY AND STATE	ELEVATION: 819 THRE: 760	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
RIVERSIDE, CA	AIRPORT NAME: RIVERSIDE MUNI	I-RAL	ILS OR LOC RWY 9, AMDT 8	AMDT: 7C
				DATED 10/23/2008

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] ZLA, SOCAL APCH, RAL ATCT, RAL FSS, AMGR

FLIGHT CHECKED BY		
NAME:	FIFO	DATE:

DEVELOPED BY		
NAME: ADOLFO URRUTIA (MIKE MELSSEN)	FIFO AJV-354	DATE: 02/24/2012

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

CHANGES:

1. ADDED ALTIMETER SETTING NOTE.
2. ADDED NOTE: PROCEDURE NA FOR ARRIVALS AT PIRRO ON V186 WEST BOUND.
3. DECREASED ILS MINIMA FROM 994-1/2 (200) TO 960-1/2 (200) AND LOC MINIMA FROM 1300-1/2 (506) TO 1280-1/2.
4. ADDED CIRCLING RWY 16 NA AT NIGHT NOTE.
5. ADDED NOTE: WHEN VGSI INOP, CIRCLING RWY 34 NA AT NIGHT.
6. UPDATED PROCEDURE FROM TDZE TO THLD.
7. ADDED ALTERNATE MISSED APPROACH INSTRUCTIONS.
8. ADDED NOTE: PROCEDURE NA FOR ARRIVALS AT POM VORTAC AIRWAY RADIALS 073 CW 187.
9. REMOVED STEPDOWN FIX AGNES.
10. ADDED CLIMB GRADIENT MINIMUMS.

REASONS:

1. IAW 8260.19D PARA 855(F)4.
2. IAW 8260.19D PARA G(2) - EXCEEDS 90 DEGREE LIMITATION.
3. CHANGED PROCEDURE FROM TDZE TO THRE.
4. RWY 16 DOES NOT HAVE VGSI.
5. RWY 34 HAS 20:1 PENETRATIONS.
6. IAW 8260.19D PARA 854J(1).
7. ALTERNATE MISSED APPROACH INSTRUCTIONS REQUIRED.
8. IAW 8260.19D PARA G(2) - EXCEEDS 90 DEGREE LIMITATION.
9. FIX NOT APPLICABLE.
10. CLIMB GRADIENT REQUIRED TO ALLOW LOWEST MINIMUMS.

PDF EDITS:
ADDED REMOTE ALTIMETER ADJUSTMENT.
ADDED GS ALT AT EXPAM 2500.

QUALITY CHECKED

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MISSED APPROACH INSTRUCTIONS, (CONT.):
6000 DIRECT HDF VOR, CONTINUE CLIMB-IN-HOLD TO 6000.

NOTES, (CONT.):
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE CHINO ALTIMETER SETTING AND INCREASE ALL DA 46 FEET AND ALL MDA 60 FEET, INCREASE S-LOC 9 CAT C/D VISIBILITY 1/8 MILE.

CHART NOTE: FOR INOPERATIVE MALSR, INCREASE S-ILS 9 VISIBILITY TO 1 MILE.

CHART NOTE: *MISSED APPROACH REQUIRES MINIMUM CLIMB OF 270 FEET PER NM TO 2500.

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS ON SLI VORTAC AIRWAY RADIALS 075 CW 080.

QUALITY CHECKED

CITY AND STATE	ELEVATION: 819 THRE: 760	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
RIVERSIDE, CA	AIRPORT NAME: RIVERSIDE MUNI	I-RAL	ILS OR LOC RWY 9, AMDT 8	AMDT: 7C
				DATED: 10/23/2008

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:

QUALITY CHECKED

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

ILS STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - **FAR PART 97.29**

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ARINC PACKET - 424-18 - ILS

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                 1         2         3         4         5         6         7         8         9         0         1         2         3
NAVAID  123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ----------------------------------------------------------------------------------------------------------------------------------
        SUSAD        PDZ   K2011220VTH  N33550601W117314799    N33550685W117314642E0150014322     NARPARADISE
        SUSAD        POM   K2011040VTLW N34044219W117471346    N34044219W117471346E0150012661     NARPOMONA
        SUSAD        RAL   K2011240V TW N33571865W117265938                        E0140     0     NARRIVERSIDE
        SUSAD        RIV   K2011300 TLW                  RIV N33542328W117163013E0140015431     NARMARCH
        SUSAD        SLI   K2011570VTLA N33465987W118031712    N33465987W118031712E0150000231     NARSEAL BEACH

                 1         2         3         4         5         6         7         8         9         0         1         2         3
WP      123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ----------------------------------------------------------------------------------------------------------------------------------
        SUSAEAENRT   EXPAM K20    C     N33582617W117332200                        E0123     NAR           EXPAM
        SUSAEAENRT   JASER K20    C     N33595446W117410304                        E0124     NAR           JASER
        SUSAEAENRT   PIRRO K20    C   L N34020761W117523480                        E0124     NAR           PIRRO
        SUSAEAENRT   WISUP K20    R   L N33551915W117430807                        E0124     NAR           WISUP

                 1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ----------------------------------------------------------------------------------------------------------------------------------
        SUSAP KRALK2ARAL     0     054YHN33570680W117264240E014000819         1800018000C    MNAR    RIVERSIDE MUNI

                 1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ----------------------------------------------------------------------------------------------------------------------------------
        SUSAP KRALK2FI09   APDZ   010PDZ  K2D 0V       IF                                                18000                 0 NS
        SUSAP KRALK2FI09   APDZ   020EXPAMK2EA0EY      TF                                        + 03800                       0 NS
        SUSAP KRALK2FI09   APDZ   030EXPAMK2EA0EE AR   HF RIV K2      272101460890T010D   + 02800                       0 NS
        SUSAP KRALK2FI09   APIRRO 010PIRROK2EA0E  A    FC RIV K2      2706031008910078D   + 03000     18000             0 NS
        SUSAP KRALK2FI09   APIRRO 020JASERK2EA0EE B    CF IRALK2      2691013008910020PI  + 03000                       0 NS
        SUSAP KRALK2FI09   APOM   010POM  K2D 0V  A    FC POM K2      0000000011800050D   + 03000     18000             0 NS
        SUSAP KRALK2FI09   APOM   020JASERK2EA0EE B    CF IRALK2      2691013011800020PI  + 03000                       0 NS
        SUSAP KRALK2FI09   ASLI   010SLI  K2D 0V  A    FC SLI K2      0000000004010206D   + 03000     18000             0 NS
        SUSAP KRALK2FI09   ASLI   020JASERK2EA0EE B    CF IRALK2      2691013004010020PI  + 03000                       0 NS
        SUSAP KRALK2FI09   I      010JASERK2EA0E  I    IF IRALK2      26910130        PI  J 030000250018000                 0 NS
        SUSAP KRALK2FI09   I      020EXPAMK2EA0E  F    CF IRALK2      2691006408900066PI  H 0250002500        -300RAL  AK2D 0 NS
        SUSAP KRALK2FI09   I      030RW09 K2PG0GY M    CF IRALK2      2691001108900053PI    00801             -300          0 NS
        SUSAP KRALK2FI09   I      040         0  M     CA                     0890     + 02000                       0 NS
        SUSAP KRALK2FI09   I      050         0    R   CIY                    2480                                    0 NS
        SUSAP KRALK2FI09   I      060PDZ  K2D 0V       CF PDZ K2      0000000027800070D   + 04200                       0 NS
        SUSAP KRALK2FI09   I      070WISUPK2EA0EY      TF                                        + 04200                       0 NS
        SUSAP KRALK2FI09   I      080WISUPK2EA0EE  R   HM                     0764T010    + 04200                       0 NS

                 1         2         3         4         5         6         7         8         9         0         1         2         3
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QUALITY CHECKED

CITY AND STATE	ELEVATION: 819 THRE: 760	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
RIVERSIDE, CA	AIRPORT NAME: RIVERSIDE MUNI	I-RAL	ILS OR LOC RWY 9, AMDT 8	AMDT: 7C
				DATED: 10/23/2008

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:

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RUNWAY  123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KRALK2GRW09    0054010890 N33571399W117270709+1100    +0198400760000041100IIRAL1

                 1         2         3         4         5         6         7         8         9         0         1         2         3
ILS     123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KRALK2IIRAL1   011090RW09 N33565946W1172551860890N33571532W1172658201105 07000600300E01404100761

                 1         2         3         4         5         6         7         8         9         0         1         2         3
MSA     123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KRALK2SRAL  K2D A              0   0951851132518527511925275095070 25                                                   M
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QUALITY CHECKED

CITY AND STATE	ELEVATION: 819 THRE: 760	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
RIVERSIDE, CA	AIRPORT NAME: RIVERSIDE MUNI	I-RAL	ILS OR LOC RWY 9, AMDT 8	AMDT: 7C
				DATED: 10/23/2008

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

ILS STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - **FAR PART 97.29**

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ARINC SUMMARY - 424-18 - ILS

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
	PDZ	PDZ	010		IF		FB					
	PDZ	EXPAM	020		TF		FO				AA 03800	
	PDZ	EXPAM	030	IAF	HF	R	FO		089.0()	T01.0	AA 02800	
	PIRRO	PIRRO	010	IAF	FC		FB		089.1()	007.8	AA 03000	
	PIRRO	JASER	020		CF		FB		089.1()	002.0	AA 03000	
	POM	POM	010	IAF	FC		FB		118.0()	005.0	AA 03000	
	POM	JASER	020		CF		FB		118.0()	002.0	AA 03000	
	SLI	SLI	010	IAF	FC		FB		040.1()	020.6	AA 03000	
	SLI	JASER	020		CF		FB		040.1()	002.0	AA 03000	
		JASER	010	FACF	IF		FB				AA 03000 GI 02500	
		EXPAM	020	FAF	CF		FB		089.0()	006.6	GI 02500 GS 02500	
		RW09	030	MAP	CF		FO		089.0()	005.3	AT 00801	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		089.0()		AA 02000	
		050		CI	R	FB		248.0()			
	PDZ	060		CF		FB		278.0()	007.0	AA 04200	
	WISUP	070		TF		FO				AA 04200	
	WISUP	080		HM	R	FO		076.4()	T01.0	AA 04200	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	PDZ	N335506.01	W1173147.99	N3355.100	W11731.800
	POM	N340442.19	W1174713.46	N3404.703	W11747.224
	RAL	N335718.65	W1172659.38	N3357.311	W11726.990
	RIV (DME)	N335423.28	W1171630.13	N3354.388	W11716.502
	SLI	N334659.87	W1180317.12	N3346.998	W11803.285
	EXPAM	N335826.17	W1173322.00	N3358.436	W11733.367
	JASER	N335954.46	W1174103.04	N3359.908	W11741.051
	PIRRO	N340207.61	W1175234.80	N3402.127	W11752.580
	WISUP	N335519.15	W1174308.07	N3355.319	W11743.135
	RW09	N335713.99	W1172707.09	N3357.233	W11727.118
	IRAL (LOC)	N335659.46	W1172551.86	N3356.991	W11725.864

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW09	00760	41

QUALITY CHECKED

CITY AND STATE	ELEVATION: 819 THRE: 760	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
RIVERSIDE, CA	AIRPORT NAME: RIVERSIDE MUNI	I-RAL	ILS OR LOC RWY 9, AMDT 8	AMDT: 7C
				DATED: 10/23/2008

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

LOC STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - **FAR PART 97.25**

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 PACKET - 424-18 - LOC

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                 1         2         3         4         5         6         7         8         9         0         1         2         3
NAVAID  123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAD        PDZ   K2011220VTH  N33550601W117314799    N33550685W117314642E0150014322     NARPARADISE
        SUSAD        POM   K2011040VTLW N34044219W117471346    N34044219W117471346E0150012661     NARPOMONA
        SUSAD        RAL   K2011240V TW N33571865W117265938                         E0140     0     NARRIVERSIDE
        SUSAD        RIV   K2011300 TLW                   RIV N33542328W117163013E0140015431     NARMARCH
        SUSAD        SLI   K2011570VTLA N33465987W118031712    N33465987W118031712E0150000231     NARSEAL BEACH

                 1         2         3         4         5         6         7         8         9         0         1         2         3
WP      123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAEAENRT   EXPAM K20    C     N33582617W117332200                      E0123     NAR           EXPAM
        SUSAEAENRT   JASER K20    C     N33595446W117410304                      E0124     NAR           JASER
        SUSAEAENRT   PIRRO K20    C   L N34020761W117523480                      E0124     NAR           PIRRO
        SUSAEAENRT   WISUP K20    R   L N33551915W117430807                      E0124     NAR           WISUP

                 1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KRALK2ARAL     0     054YHN33570680W117264240E014000819         1800018000C    MNAR    RIVERSIDE MUNI

                 1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KRALK2FL09   APDZ   010PDZ  K2D 0V       IF                                          18000                 0 NS
        SUSAP KRALK2FL09   APDZ   020EXPAMK2EA0EY      TF                                   + 03800                      0 NS
        SUSAP KRALK2FL09   APDZ   030EXPAMK2EA0EE AR   HF RIV K2      272101460890T010D   + 02800                      0 NS
        SUSAP KRALK2FL09   APIRRO 010PIRROK2EA0E  A    FC RIV K2      2706031008910078D   + 03000     18000            0 NS
        SUSAP KRALK2FL09   APIRRO 020JASERK2EA0EE B    CF IRALK2      2691013008910020PI  + 03000                      0 NS
        SUSAP KRALK2FL09   APOM   010POM  K2D 0V  A    FC POM K2      0000000011800050D   + 03000     18000            0 NS
        SUSAP KRALK2FL09   APOM   020JASERK2EA0EE B    CF IRALK2      2691013011800020PI  + 03000                      0 NS
        SUSAP KRALK2FL09   ASLI   010SLI  K2D 0V  A    FC SLI K2      0000000004010206D   + 03000     18000            0 NS
        SUSAP KRALK2FL09   ASLI   020JASERK2EA0EE B    CF IRALK2      2691013004010020PI  + 03000                      0 NS
        SUSAP KRALK2FL09   L      010JASERK2EA0E  I    IF IRALK2      26910130        PI  + 03000     18000            0 NS
        SUSAP KRALK2FL09   L      020EXPAMK2EA0E  F    CF IRALK2      2691006408900066PI  + 02500                 RAL  AK2D 0 NS
        SUSAP KRALK2FL09   L      030RW09 K2PG0GY M    CF IRALK2      2691001108900053PI    00801            -301         0 NS
        SUSAP KRALK2FL09   L      040         0  M     CA                     0890        + 02000                      0 NS
        SUSAP KRALK2FL09   L      050         0    R   CIY                    2480                                     0 NS
        SUSAP KRALK2FL09   L      060PDZ  K2D 0V       CF PDZ K2      0000000027800070D   + 04200                      0 NS
        SUSAP KRALK2FL09   L      070WISUPK2EA0EY      TF                                   + 04200                      0 NS
        SUSAP KRALK2FL09   L      080WISUPK2EA0EE  R   HM                     0764T010    + 04200                      0 NS

                 1         2         3         4         5         6         7         8         9         0         1         2         3
```

QUALITY CHECKED

CITY AND STATE	ELEVATION: 819 THRE: 760	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
RIVERSIDE, CA	AIRPORT NAME: RIVERSIDE MUNI	I-RAL	ILS OR LOC RWY 9, AMDT 8	AMDT: 7C
				DATED: 10/23/2008

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:

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.

```
RUNWAY  123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KRALK2GRW09    0054010890 N33571399W117270709+1100    +0198400760000041100IIRAL1

                 1         2         3         4         5         6         7         8         9         0         1         2         3
ILS     123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KRALK2IIRAL1   011090RW09 N33565946W1172551860890N33571532W1172658201105 07000600300E01404100761

                 1         2         3         4         5         6         7         8         9         0         1         2         3
MSA     123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KRALK2SRAL  K2D A              0   0951851132518527511925275095070 25                                                   M
```

QUALITY CHECKED

CITY AND STATE	ELEVATION: 819 THRE: 760	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
RIVERSIDE, CA	AIRPORT NAME: RIVERSIDE MUNI	I-RAL	ILS OR LOC RWY 9, AMDT 8	AMDT: 7C
				DATED: 10/23/2008

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

LOC STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - **FAR PART 97.25**

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 SUMMARY - 424-18 - LOC

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
	PDZ	PDZ	010		IF		FB					
	PDZ	EXPAM	020		TF		FO				AA 03800	
	PDZ	EXPAM	030	IAF	HF	R	FO		089.0()	T01.0	AA 02800	
	PIRRO	PIRRO	010	IAF	FC		FB		089.1()	007.8	AA 03000	
	PIRRO	JASER	020		CF		FB		089.1()	002.0	AA 03000	
	POM	POM	010	IAF	FC		FB		118.0()	005.0	AA 03000	
	POM	JASER	020		CF		FB		118.0()	002.0	AA 03000	
	SLI	SLI	010	IAF	FC		FB		040.1()	020.6	AA 03000	
	SLI	JASER	020		CF		FB		040.1()	002.0	AA 03000	
		JASER	010	FACF	IF		FB				AA 03000	
		EXPAM	020	FAF	CF		FB		089.0()	006.6	AA 02500	
		RW09	030	MAP	CF		FO		089.0()	005.3	AT 00801	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		089.0()		AA 02000	
		050		CI	R	FB		248.0()			
	PDZ	060		CF		FB		278.0()	007.0	AA 04200	
	WISUP	070		TF		FO				AA 04200	
	WISUP	080		HM	R	FO		076.4()	T01.0	AA 04200	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	PDZ	N335506.01	W1173147.99	N3355.100	W11731.800
	POM	N340442.19	W1174713.46	N3404.703	W11747.224
	RAL	N335718.65	W1172659.38	N3357.311	W11726.990
	RIV (DME)	N335423.28	W1171630.13	N3354.388	W11716.502
	SLI	N334659.87	W1180317.12	N3346.998	W11803.285
	EXPAM	N335826.17	W1173322.00	N3358.436	W11733.367
	JASER	N335954.46	W1174103.04	N3359.908	W11741.051
	PIRRO	N340207.61	W1175234.80	N3402.127	W11752.580
	WISUP	N335519.15	W1174308.07	N3355.319	W11743.135
	RW09	N335713.99	W1172707.09	N3357.233	W11727.118
	IRAL (LOC)	N335659.46	W1172551.86	N3356.991	W11725.864

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW09	00760	41

QUALITY CHECKED

CITY AND STATE	ELEVATION: 819 THRE: 760	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
RIVERSIDE, CA	AIRPORT NAME: RIVERSIDE MUNI	I-RAL	ILS OR LOC RWY 9, AMDT 8	AMDT: 7C
				DATED: 10/23/2008

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.
FEEDER	PDZ VORTAC	EXPAM INT/RADAR	1. AAO	335644.65N/1173102.83W	1719 (2C)	2000		3800
			2. TERRAIN	335645.00N/1173103.00W	1480 (1500)		AS1000	2500
INITIAL	SLI VORTAC	JASER INT	3. AAO	335449.52N/1174417.22W	1981 (2C)	1000	AT19	3000
			4. TERRAIN	335449.52N/1174417.22W	1781 (1800)		AS1000	2800
INITIAL	POM VORTAC	JASER INT	5. AAO	340054.00N/1174639.00W	1631 (4E)	1000	AT369	3000
			6. TERRAIN	340054.00N/1174639.00W	1431 (1400)		AS1000	2400
INITIAL	PIRRO INT	JASER INT	7. AAO	335721.00N/1174527.00W	1703 (4E)	1000	AT297	3000
			8. TERRAIN	345721.00N/1174527.00W	1503 (1500)		AS1000	2500
INTERMEDIATE	JASER INT	EXPAM INT/RADAR	9. AAO	335603.00N/1174415.00W	1782 (4E)	500	AT206 AC98 SA-86	2500
			10. TERRAIN	335624.00N/1174151.00W	1188 (1200)		AS1000	2200
FINAL: ILS	GS INTCP	RW09				ASC		960/200
FINAL: ILS	GS INTCP	RW09				ASC	MA136	1096/336
FINAL: LOC	EXPAM INT/RADAR	5.33 MILES AFTER	11. TREE	335719.69N/1172953.07W	1079 (2C)	250	SA-61	1280
		EXPAM INT/RADAR						
2. HOLD-IN-LIEU-OF-PT	EXPAM	P-4	1. AAO	335644.65N/1173102.83W	1719 (2C)	1000		2800
			2. TERRAIN	335645.00N/1173103.00W	1480 (1500)		AS1000	2500
3. MISSED APPROACH — MAP:	DA / DA / 5.33	WISUP INT/PDZ	12. AAO	335414.95N/1172117.89W	1879 (2C)	ASC		4200
	MILES AFTER	VORTAC 9.43 DME	13. AAO	335101.35N/1173913.00W	3245 (2C)	1000	SA-107	4200
ELEV:	795/871/1944		14. TERRAIN	335115.00N/1174318.00W	2665 (2700)		AS1000	3700
			15. TREE	335730.97N/1172614.99W	999 (2C)	300	SI	1360
			16. TREE	335848.00N/1172648.00W	1039 (2C)	300	SI	1360
			17. TREE	335900.00N/1172654.00W	1319 (2C)	300		1620
			18. TREE	335631.35N/1172940.04W	1159 (2C)	300		1620

4. CIRCLING AREA	DISTANCE	HT. ABV. ARPT. REQUIRED	HT. ABV. ARPT. ACTUAL
CATEGORY A	1.3 NM	350	541
CATEGORY B	1.5 NM	450	541
CATEGORY C	1.7 NM	450	801
CATEGORY D	2.3 NM	550	801
CATEGORY E	4.5 NM	550	

5. MINIMUM SAFE ALTITUDES — PRIMARY NAVAID: RAL VOR

SECTOR	OBSTRUCTION	BRG/DIST	ELEVATION (MSL)	M S A	SECTOR	OBSTRUCTION	BRG/DIST	ELEVATION (MSL)	M S A
005-095	AAO	055/ 28.8	10886 (4E)	11900	275-005	AAO	320/ 22.3	10264 (4E)	11300
095-275	AAO	182/ 14.8	5920 (4E)	7000					

CITY AND STATE	ELEVATION: 819 / AIRPORT NAME:	FACILITY	PROCEDURE AND AMENDMENT NO:	REGION
RIVERSIDE, CA	RIVERSIDE MUNI	I-RAL	ILS OR LOC RWY 9, AMDT 8	AWP

PART B - SUPPLEMENTAL DATA

1. COMMUNICATIONS WITH:	2. WEATHER SERVICE		3. ALTIMETER SETTING
SOCAL APP CON RAL TOWER	N W S	OTHER: ASOS	SOURCE: KRAL / KCNO
	F A A		DISTANCE: 0 / 9.65
SATISFACTORY ON:	A / C		HOURS REMOTE OPERATION: BACKUP
X V H F X U H F H F	LOCATION: KRAL		ADJUSTMENT: 0 / 46

4. MONITOR STATUS	PRIMARY NAVAID: I-RAL	
	MONITOR POINT: RAL ATCT	
	HRS OPTN: CAT 1	TOWER OPEN
	CAT 3	TOWER CLOSED
5. APPROACH & RUNWAY LIGHTING		ALS
		(S) SALS
	X	MALSR 09 (PCL)
		HIRL
	X	MIRL 16 (PCL), 27 (PCL), 34 (PCL), 09 (PCL)
	X	REIL 27
		TDZ
		C/LINE
	X	OTHER (SPECIFY) PAPI-2L 34 PAPI-4L 27, 09
6. RUNWAY MARKINGS	BASIC	BSC-G 16, 34
	ALL WEATHER	PIR-F 09
	INSTRUMENT	NPI-F 27
7. RUNWAY VISUAL RANGE	APPROACH	
	MIDFIELD	
	ROLL OUT	
8. GLIDE PATH	GP ANGLE: 3.00	ELEV RWY THRESHOLD: 760.4
	DISTANCE FROM RWY: 700	ELEV GP ANTENNA: 764.6
		THRESHOLD CROSSING HEIGHT: 40.9
9. FINAL APPROACH COURSE AIMING	X	RUNWAY THRESHOLD FT. FROM THRESHOLD
	X	ON CENTERLINE FT. FROM CENTERLINE

10. WAIVERS: NONE

PART D - PREPARED BY: ADOLFO URRUTIA (MIKE MELSSEN)	DATE: 02/24/2012
TITLE: AERONAUTICAL INFORMATION SPECIALIST	OFFICE: AJV-354

PART C - REMARKS:

VDP NOT ESTABLISHED - PROCEDURE DOES NOT HAVE DME.

PRECIPITOUS TERRAIN EVALUATION COMPLETED.

FPT HAS BEEN NOTIFIED OF VISUAL SURFACE PENETRATIONS.

SERVICE A:YES/YES

VGSI 3.0/41.

RASS PRESSURE PATTERNS SAME
KRAL 818.9, KCNO 650.0
RA = 46.
NO ADDITIONAL AIRSPACE REQUIRED.

TERPS, VOLUME 1, "VISUAL PORTION OF FINAL"
PENETRATIONS:
20:1
RWY 16
803 TREE (KRAL0037) 335721.00N-1172652.76W (26.43)
809 LT POLE (KRAL0040) 335723.11N-1172652.72W (21.77)
808 TREE (KRAL0041) 335723.76N-1172657.68W (16.96)
RWY 34
780 LT POLE (KRAL0047) 335644.65N-1172657.05W (10.81)
778 OL ON LT POLE (KRAL0048) 335644.69N-1172651.90W (8.46)
819 TREE (KRAL0051) 335634.84N-1172656.99W (0.26)

OBSTACLE KRAL0013 HAS BEEN LOWERED 5' FROM 788' MSL TO 783' MSL PER FPT. EMAIL DATED 4/19/2012.
OBSTACLE KRAL0014 HAS BEEN REMOVED AND SHOULD BE TAKEN OUT OF THE DATABASE PER FPT. EMAIL DATED 4/19/2012.

MISSED APPROACH OBSTACLE #13 LOCATED 1303 FT INTO THE SECONDARY.

INTERMEDIATE OBSTACLE #9 LOCATED 2097 FT INTO THE SECONDARY.

TREE HEIGHT 100' PER FPT.

MISSED APPROACH OBSTACLES CONT.
ALTERNATE:
12. AAO 335414.95N/1172117.89W 1879 (2C) ASC 6000
19. AAO 335051.00N/1170915.00W 2858 (4E) 1000 AT2142 6000
20. TERRAIN 335151.00N/1170915.00W 2658 (2700) AS1000 3700

QUALITY 9 CHECKED

STANDARD INSTRUMENT APPROACH PROCEDURE DATA RECORD

PART - A OBSTRUCTION DATA

1. APP SEGMENT	FROM	TO	OBSTRUCTION	COORDINATES	ELEV. MSL	ROC	ALT. ADJUSTMENTS	MIN. ALT.
FINAL: LOC	EXPAM INT/RADAR	5.33 MILES AFTER EXPAM INT/RADAR	11. TREE	335719.69N/1172953.07W	1079 (2C)	250	SA-61 MA68	1360

3. MISSED APPROACH		
	MAP:	
	ELEV:	

4. CIRCLING AREA	DISTANCE	HT. ABV. ARPT. REQUIRED	HT. ABV. ARPT. ACTUAL
CATEGORY A	1.3 NM	350	
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
RIVERSIDE, CA	ELEVATION: 819 AIRPORT NAME: RIVERSIDE MUNI	I-RAL	ILS OR LOC RWY 9, AMDT 8	AWP

QUALITY CHECKED 9

PART B - SUPPLEMENTAL DATA

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

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

QUALITY CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: AGNES **STATE:** CA **COUNTRY:** US

LATITUDE/LONGITUDE: 335732.92N/1172845.37W **TYPE:** INT

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

CANCELLED

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	RIVERSIDE	I-RAL	LOC			283.04				1100	5000
2	PARADISE	PDZ	VORTAC	H	031.00	046.00				1100	5000

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

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	RIVERSIDE MUNI - ILS RWY 09			KRAL	RIVERSIDE	CA (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 2 **DATE OF REVISION:** 09/17/1998

DEVELOPED BY: **DATE:** 07/27/1998 **OFFICE:** AVN-120 **NAME:** CHRIS PILLIFANT

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

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: LAX
ARTCC: ZOA
ATC FACILITY: SOCAL APP CON
OTHER: RAL ATCT

QUALITY CHECKED 1

RADIO FIX AND HOLDING DATA RECORD

NAME: EXPAM **STATE:** CA **COUNTRY:** US

LATITUDE/LONGITUDE: 335826.17N/1173322.00W **TYPE:** WP, RADAR, INT

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	RIVERSIDE	I-RAL	LOC		269.04	283.04		6.40	38916	2500	5300
2	PARADISE	PDZ	VORTAC	H	323.63	338.63		3.58		2500	5000

HOLDING: **HOLDING TYPE OF ACTION:** MODIFY

PATTERNS:

PAT	DIR	IDENT	TYPE	RAD/CRS/BRG	CRS INBOUND	TURN (L OR R)	LEG LENGTH TIME	LEG LENGTH DME	HOLDING ALTITUDES MIN	HOLDING ALTITUDES MAX	TEMPLATES MIN	TEMPLATES MAX
1	W	I-RAL	LOC	269.04	089.04	R	1		2800	4000	4	4

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	AAO	335112.04N/1172833.74W	1719	2C

HOLDING RESTRICTIONS:
HOLDING LIMITED TO ESTABLISHED PATTERN.

REMARKS:
PRECIPITOUS TERRAIN EVALUATION COMPLETE.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	ILS OR LOC RWY 9	1, 2	1	KRAL	RIVERSIDE	CA (US)
IAP	RNAV (GPS) RWY 9			KRAL	RIVERSIDE	CA (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1 **DATE OF REVISION:** 09/20/2012

REASON FOR REVISION:
UPDATED FIX MAKE-UP.
UPDATED CONTROLLING OBSTACLE.
UPDATED HOLDING PATTERN DATA.
UPDATED FIX USE.
ADDED RNAV (GPS) RWY 9 TO FIX USE.

DEVELOPED BY: **DATE:** 01/18/2012 **OFFICE:** AJV-354 **NAME:** ADOLFO URRUTIA (MIKE MELSSEN)

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

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: LAX
ARTCC: ZOA
ATC FACILITY: SOCAL APP CON
OTHER: RAL ATCT

QUALITY CHECKED 9

RADIO FIX AND HOLDING DATA RECORD

NAME: HOMELAND VOR **STATE:** CA **COUNTRY:** US

LATITUDE/LONGITUDE: 334634.78N/1171107.16W **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	HOMELAND	HDF	VOR	L							17500

FIX RESTRICTIONS:
MCA V372 11200 NORTHEAST BOUND

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	HDF	VOR	135.37	315.37	R	1-1 1/2		5000	17500	5	16
2	N	HDF	VOR	353.00	173.00	R	1		5000	14000	5	10
3	SE		WP	135.37	315.37	R		5	6000	14000	6	11

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	AAO	334651.00N/1170706.00W	2861	4E
1	310	AAO	333751.00N/1165042.00W	4731	4E
2	200	AAO	335400.00N/1170903.00W	2871	2C
3	200	AAO	334651.00N/1170706.00W	2861	4A
3	310	AAO	333830.00N/1165112.00W	4269	4E

HOLDING RESTRICTIONS:
HOLDING LIMITED TO ESTABLISHED PATTERNS.

PROCEDURES REQUIRING CLIMB-IN-HOLD:

PAT	PROCEDURE TITLE	AIRPORT IDENT	CITY	STATE
1	HI-VOR RWY 32	KRIV	RIVERSIDE	CA (US)
1	ILS Y OR LOC RWY 32	KRIV	RIVERSIDE	CA (US)
1	ILS Y RWY 32 (CAT II)	KRIV	RIVERSIDE	CA (US)
1	IFR TAKE-OFF	KF70	MURRIETA/TEMECULA	CA (US)
1	VOR RWY 32	KRIV	RIVERSIDE	CA (US)
1	IFR TAKE-OFF	KHMT	HEMET	CA (US)
1	ILS OR LOC RWY 9	KRAL	RIVERSIDE	CA (US)
3	RNAV (GPS) RWY 9	KRAL	RIVERSIDE	CA (US)

REMARKS:
PRECIPITOUS TERRAIN EVALUATION COMPLETED.
PAT 1 310 KTS CONTROLLING OBSTACLE IS LOCATED 7603 FT. WITHIN SECONDARY; PRIMARY EQUIVALENT ELEVATION 3919 FT.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	IFR TAKE-OFF	1	1	KHMT	HEMET	CA (US)
DP	IFR TAKE-OFF		1	KF70	MURRIETA/TEMECULA	CA (US)
DP	PRADO			KONT	ONTARIO	CA (US)
DP	CATHEDRAL			KPSP	PALM SPRINGS	CA (US)
DP	SKYES			KRIV	RIVERSIDE	CA (US)
EN ROUTE	V283-372					(US)
EN ROUTE	V283-587					(US)
EN ROUTE	V372					(US)
IAP	ILS OR LOC RWY 26R		1	KCNO	CHINO	CA (US)
IAP	RNAV (GPS) RWY 26R			KCNO	CHINO	CA (US)
IAP	ILS OR LOC RWY 26L			KONT	ONTARIO	CA (US)
IAP	ILS OR LOC RWY 26R			KONT	ONTARIO	CA (US)
IAP	ILS OR LOC RWY 8L		1	KONT	ONTARIO	CA (US)
IAP	ILS RWY 26L (CAT II)			KONT	ONTARIO	CA (US)
IAP	ILS RWY 26L (CAT III)			KONT	ONTARIO	CA (US)
IAP	GPS-A			KREI	REDLANDS	CA (US)
IAP	NDB OR GPS-A			KL67	RIALTO	CA (US)
IAP	ILS OR LOC RWY 9		1	KRAL	RIVERSIDE	CA (US)
IAP	RNAV (GPS) RWY 9		3	KRAL	RIVERSIDE	CA (US)
IAP	VOR-A			KRAL	RIVERSIDE	CA (US)
IAP	VOR-B			KRAL	RIVERSIDE	CA (US)
IAP	HI-VOR RWY 32		1	KRIV	RIVERSIDE	CA (US)
IAP	ILS Y OR LOC RWY 32		1	KRIV	RIVERSIDE	CA (US)
IAP	ILS Y RWY 32 (CAT II)		1	KRIV	RIVERSIDE	CA (US)
IAP	VOR RWY 32		1	KRIV	RIVERSIDE	CA (US)
IAP	ILS OR LOC Z RWY 6			KSBD	SAN BERNARDINO	CA (US)
IAP	LOC Y RWY 6		2	KSBD	SAN BERNARDINO	CA (US)
STAR	KAYOH			KLGB	LONG BEACH	CA (US)
STAR	BASET			KLAX	LOS ANGELES	CA (US)
STAR	REDEYE			KLAX	LOS ANGELES	CA (US)

QUALITY CHECKED

STAR	SEAVU	KLAX	LOS ANGELES	CA (US)
STAR	SETER	KONT	ONTARIO	CA (US)
STAR	ZIGGY	KONT	ONTARIO	CA (US)
STAR	HITOP	KRIV	RIVERSIDE	CA (US)
STAR	MARCH	KRIV	RIVERSIDE	CA (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 13 **DATE OF REVISION:** 09/20/2012

REASON FOR REVISION:
CORRECTED PAT 1,2,3 CONTROLLING OBSTACLES.
CHANGED PAT 3 310 KTS PRECIPITOUS TERRAIN ADJ FROM 88 TO 102.
UPDATED FIX USE.

DEVELOPED BY: **DATE:** 01/19/2012 **OFFICE:** AJV-354 **NAME:** ADOLFO URRUTIA (MIKE MELSSEN)

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

SIGNATURE:

DISTRIBUTION: **NFDC**
FPO: WST
ARTCC: ZOA
ATC FACILITY: SOCAL APP CON
OTHER: MARCH ARB GCA/ATCT

QUALITY CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: JASER **STATE:** CA **COUNTRY:** US

LATITUDE/LONGITUDE: 335954.46N/1174103.04W **TYPE:** WP, INT

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	RIVERSIDE	I-RAL	LOC		269.05	283.05		12.96		3000	5300
2	POMONA	POM	VORTAC	L	117.99	132.99		7.02		3000	17500
3	SEAL BEACH	SLI	VORTAC	L	040.05	055.05		22.55		3000	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	W		WP	271.60	091.60	R		4	3800	6000	5	6

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	AAO	335548.00N/1174439.00W	1880	4E

HOLDING RESTRICTIONS:
HOLDING LIMITED TO ESTABLISHED PATTERN.

REMARKS:
POMONA (FAC 2) AND RIVERSIDE (FAC 1) USED TO ESTABLISH FIX COORDINATES
PRECIPITOUS TERRAIN EVALUATION COMPLETE.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	ILS OR LOC RWY 9	1, 2, 3		KRAL	RIVERSIDE	CA (US)
IAP	RNAV (GPS) RWY 9			KRAL	RIVERSIDE	CA (US)
IAP	RNAV (GPS) - A		1	KRIR	RIVERSIDE/RUBIDOUX	CA (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 5 **DATE OF REVISION:** 09/20/2012

REASON FOR REVISION:
UPDATED FIX USE.
UPDATED CONTROLLING OBSTRUCTION COORDINATES AND ELEVATION.

DEVELOPED BY: **DATE:** 01/18/2012 **OFFICE:** AJV-354 **NAME:** ADOLFO URRUTIA (MIKE MELSSEN)

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

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: WST
ARTCC: ZLA
ATC FACILITY: SOCAL APP CON
OTHER: RAL ATCT

QUALITY CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: PARADISE VORTAC **STATE:** CA **COUNTRY:** US

LATITUDE/LONGITUDE: 335506.01N/1173147.99W **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	PARADISE	PDZ	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	PDZ	VORTAC	030.00	210.00	R	1-1 1/2	-	3500	17500	4	16
2	E	PDZ	VORTAC	078.00	258.00	R	1-1 1/2	-	3100	17500	4	16
3	E		WP	078.00	258.00	R		4	3200	17500	5	17
4	E	PDZ	VORTAC	089.00	269.00	R	1-1 1/2		4600	17500	5	16
5	E	PDZ	VORTAC	078.00	258.00	R	1-1 1/2		4500	17500	5	16
6	E		WP	078.00	258.00	R		5	4600	17500	6	17
7	NE	PDZ	VORTAC	030.00	210.00	R	1-1 1/2		7200	17500	8	16

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	AAO	340203.00N/1172639.00W	2487	4E
2	200	AAO	335215.00N/1172818.00W	2041	4E
3	200	AAO	335800.00N/1171718.00W	3160	4E
4	200	AAO	335215.00N/1172818.00W	2041	4E
4	310	AAO	334748.50N/1173614.80W	4207	5E
5	200	AAO	335800.00N/1171718.00W	3160	4E
5	310	AAO	334748.50N/1173614.80W	4207	5E
6	200	TOWER (06-002098)	335755.00N/1171706.00W	3239	5E
6	310	AAO	334748.50N/1173614.80W	4207	2C
7	230	AAO	334815.00N/1173615.00W	3698	4E
7	310	AAO	341254.00N/1173233.00W	6677	4E

PRECIPITOUS TERRAIN ADDITIONS:

PAT	SPEED	ADDITION
4	310	100
5	310	97
6	310	108
7	310	350

HOLDING RESTRICTIONS:
HOLDING LIMITED TO ESTABLISHED PATTERNS.

PROCEDURES REQUIRING CLIMB-IN-HOLD:

PAT	PROCEDURE TITLE	AIRPORT IDENT	CITY	STATE
4	VOR-A	KRAL	RIVERSIDE	CA (US)
4	VOR -B	KRAL	RIVERSIDE	CA (US)
4	VOR RWY 9	KRAL	RIVERSIDE	CA (US)
5	IFR TAKE-OFF	KRIR	RIVERSIDE/RUBIDOUX	CA (US)
5	LOC Y RWY 6	KSBD	SAN BERNARDINO	CA (US)
5	ILS OR LOC Z RWY 6	KSBD	SAN BERNARDINO	CA (US)
5	IFR TAKE-OFF	KCCB	UPLAND	CA (US)
6	RNAV (RNP) Z RWY 08L	KONT	ONTARIO	CA (US)
6	RNAV (GPS) Y RWY 08L	KONT	ONTARIO	CA (US)
7	IFR TAKE-OFF	KREI	REDLANDS	CA (US)
7	IFR TAKE-OFF	KSBD	SAN BERNARDINO	CA (US)
7	IFR TAKE-OFF	KEMT	EL MONTE	CA (US)
7	IFR TAKE-OFF	KAJO	CORONA	CA (US)
7	IFR TAKE-OFF	KL67	RIALTO	CA (US)
7	IFR TAKE-OFF	KRAL	RIVERSIDE	CA (US)
7	IFR TAKE-OFF	KONT	ONTARIO	CA (US)

REMARKS:
PRECIPITOUS TERRAIN EVALUATION COMPLETED.
PATTERN 3 CONTROLLING OBSTACLE LOCATED 11892 FT. IN SECONDARY.
PATTERN 4 310 KT CONTROLLING OBSTACLE LOCATED 7260 FT. IN SECONDARY.
PATTERN 5 CONTROLLING OBSTACLE LOCATED 6597 FT. IN SECONDARY.
PATTERN 6 CONTROLLING OBSTACLE LOCATED 9456 FT. IN SECONDARY.
PATTERN 7 230 KT CONTROLLING OBSTACLE LOCATED 12112 FT. IN SECONDARY.
PATTERN 7 310 KT CONTROLLING OBSTACLE LOCATED 9779 FT. IN SECONDARY.

QUALITY CHECKED

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	IFR TAKE-OFF		2	KCNO	CHINO	CA (US)
DP	IFR TAKE-OFF		7	KAJO	CORONA	CA (US)
DP	IFR TAKE-OFF		7	KEMT	EL MONTE	CA (US)
DP	ANAHEIM			KFUL	FULLERTON	CA (US)
DP	ANAHEIM			KLGB	LONG BEACH	CA (US)
DP	IFR TAKE-OFF		7	KONT	ONTARIO	CA (US)
DP	PRADO			KONT	ONTARIO	CA (US)
DP	CATHEDRAL			KPSP	PALM SPRINGS	CA (US)
DP	PALM SPRINGS			KPSP	PALM SPRINGS	CA (US)
DP	IFR TAKE-OFF		7	KREI	REDLANDS	CA (US)
DP	IFR TAKE-OFF		7	KL67	RIALTO	CA (US)
DP	IFR TAKE-OFF		7	KRAL	RIVERSIDE	CA (US)
DP	SKYES			KRIV	RIVERSIDE	CA (US)
DP	IFR TAKE-OFF		5	KRIR	RIVERSIDE/RUBIDOUX	CA (US)
DP	IFR TAKE-OFF		7	KSBD	SAN BERNARDINO	CA (US)
DP	ANAHEIM			KSNA	SANTA ANA	CA (US)
DP	EL TORO			KSNA	SANTA ANA	CA (US)
DP	IRVINE			KSNA	SANTA ANA	CA (US)
DP	MUSEL			KSNA	SANTA ANA	CA (US)
DP	IFR TAKE-OFF		5	KCCB	UPLAND	CA (US)
DP	GLENDALE			KVNY	VAN NUYS	CA (US)
EN ROUTE	J128					(US)
EN ROUTE	J50					(US)
EN ROUTE	J50-74-96					(US)
EN ROUTE	J60-64-107					(US)
EN ROUTE	J60-74-96					(US)
EN ROUTE	J93					(US)
EN ROUTE	T306					(US)
EN ROUTE	V16-370					(US)
EN ROUTE	V186					(US)
EN ROUTE	V197					(US)
EN ROUTE	V388					(US)
EN ROUTE	V442					(US)
EN ROUTE	V8-21					(US)
IAP	ILS OR LOC RWY 26R			KCNO	CHINO	CA (US)
IAP	RNAV (GPS) RWY 26R			KCNO	CHINO	CA (US)
IAP	VOR RWY 26R			KCNO	CHINO	CA (US)
IAP	VOR OR GPS-A		2	KAJO	CORONA	CA (US)
IAP	NDB OR GPS-C			KEMT	EL MONTE	CA (US)
IAP	VOR OR GPS-A			KEMT	EL MONTE	CA (US)
IAP	VOR/DME OR GPS-B			KEMT	EL MONTE	CA (US)
IAP	ILS RWY 26L		2	KPOC	LA VERNE	CA (US)
IAP	LOC RWY 26L		2	KPOC	LA VERNE	CA (US)
IAP	RNAV (GPS) RWY 26L			KPOC	LA VERNE	CA (US)
IAP	VOR OR GPS-A			KPOC	LA VERNE	CA (US)
IAP	ILS OR LOC RWY 08L			KONT	ONTARIO	CA (US)
IAP	ILS OR LOC RWY 26L			KONT	ONTARIO	CA (US)
IAP	ILS OR LOC RWY 26R		2	KONT	ONTARIO	CA (US)
IAP	ILS RWY 26L (CAT II)			KONT	ONTARIO	CA (US)
IAP	ILS RWY 26L (CAT III)			KONT	ONTARIO	CA (US)
IAP	INTERSTATE VISUAL RWY 08L			KONT	ONTARIO	CA (US)
IAP	RNAV (GPS) RWY 08R		3	KONT	ONTARIO	CA (US)
IAP	RNAV (GPS) Y RWY 08L		6	KONT	ONTARIO	CA (US)
IAP	RNAV (GPS) Y RWY 26L		3	KONT	ONTARIO	CA (US)
IAP	RNAV (GPS) Y RWY 26R		3	KONT	ONTARIO	CA (US)
IAP	RNAV (RNP) Z RWY 08L		6	KONT	ONTARIO	CA (US)
IAP	RNAV (RNP) Z RWY 26L		3	KONT	ONTARIO	CA (US)
IAP	RNAV (RNP) Z RWY 26R		3	KONT	ONTARIO	CA (US)
IAP	VOR/DME RWY 08R		2	KONT	ONTARIO	CA (US)
IAP	HI-ILS/DME RWY 25			KPMD	PALMDALE	CA (US)
IAP	HI-TACAN RWY 25			KPMD	PALMDALE	CA (US)
IAP	GPS-A			KREI	REDLANDS	CA (US)
IAP	NDB OR GPS-A			KL67	RIALTO	CA (US)
IAP	ILS OR LOC RWY 9		2, 5	KRAL	RIVERSIDE	CA (US)
IAP	VOR -B		4	KRAL	RIVERSIDE	CA (US)
IAP	VOR RWY 9		4	KRAL	RIVERSIDE	CA (US)
IAP	VOR-A		4	KRAL	RIVERSIDE	CA (US)
IAP	HI-TACAN RWY 32			KRIV	RIVERSIDE	CA (US)
IAP	HI-VOR RWY 32			KRIV	RIVERSIDE	CA (US)
IAP	ILS OR LOC Y RWY 32			KRIV	RIVERSIDE	CA (US)
IAP	VOR RWY 32			KRIV	RIVERSIDE	CA (US)
IAP	RNAV (GPS)-A		3	KRIR	RIVERSIDE/RUBIDOUX/	CA (US)
IAP	ILS OR LOC Z RWY 6		5	KSBD	SAN BERNARDINO	CA (US)
IAP	LOC Y RWY 6		5	KSBD	SAN BERNARDINO	CA (US)
IAP	NDB RWY 06			KSBD	SAN BERNARDINO	CA (US)
IAP	RNAV (GPS) Y RWY 6		3	KSBD	SAN BERNARDINO	CA (US)
IAP	RNAV (GPS) Z RWY 6		3	KSBD	SAN BERNARDINO	CA (US)
IAP	ILS OR LOC RWY 19R			KSNA	SANTA ANA	CA (US)
IAP	VOR A		2	KCCB	UPLAND	CA (US)
STAR	FERNANDO			KBUR	BURBANK	CA (US)
STAR	FODRR			KCRQ	CARLSBAD	CA (US)
STAR	KAYOH			KLGB	LONG BEACH	CA (US)
STAR	BASET		1	KLAX	LOS ANGELES	CA (US)
STAR	DOWNE			KLAX	LOS ANGELES	CA (US)
STAR	KIMMO			KLAX	LOS ANGELES	CA (US)
STAR	REDEYE		1	KLAX	LOS ANGELES	CA (US)

STAR	REEDR	KLAX	LOS ANGELES	CA (US)
STAR	RIIVR	KLAX	LOS ANGELES	CA (US)
STAR	SEAVU	KLAX	LOS ANGELES	CA (US)
STAR	SETER	KONT	ONTARIO	CA (US)
STAR	ZIGGY	KONT	ONTARIO	CA (US)
STAR	ARKOE	KRIV	RIVERSIDE	CA (US)
STAR	MARCH	KRIV	RIVERSIDE	CA (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 21 **DATE OF REVISION:** 09/20/2012

REASON FOR REVISION:
UPDATED PATTERN 4,5 CONTROLLING OBSTRUCTIONS.
UPDATED PATTERN 4,6 310 KT CONTROLLING OBSTRUCTION ACCURACY CODE.
PATTERN 4 310 KT OBSTACLE LOCATED 7288 FT IN SECONDARY.

DEVELOPED BY: **DATE:** 01/18/2012 **OFFICE:** AJV-354 **NAME:** ADOLFO URRUTIA (MIKE MELSSEN)

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

SIGNATURE:

DISTRIBUTION: **NFDC**
FPO: WST
ARTCC: ZLA
ATC FACILITY: SOCAL APP CON
OTHER: KONT ATCT

QUALITY CHECKED 9

RADIO FIX AND HOLDING DATA RECORD

NAME: PIRRO **STATE:** CA **COUNTRY:** US

LATITUDE/LONGITUDE: 340207.61N/1175234.80W **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	VAN NUYS	VNY	VOR/DME	L	095.00	110.00	32.65	32.65		3500	17500
2	POMONA	POM	VORTAC	L	225.00	240.00	5.14	5.14		3500	17500
3	RIVERSIDE	I-RAL	LOC		269.12	283.12		22.80		3500	5300

EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
I-RAL	LOC	R-269	23	3500	10000

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

REMARKS:
VAN NUYS (FAC 1) AND POMONA (FAC 2) USED TO ESTABLISH FIX COORDINATES

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
EN ROUTE	V186	1, 2				(US)
EN ROUTE	V210	1, 2				(US)
IAP	ILS OR LOC RWY 9	3		KRAL	RIVERSIDE	CA (US)
IAP	RNAV(GPS) RWY 9			KRAL	RIVERSIDE	CA (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 8 **DATE OF REVISION:** 09/20/2012

REASON FOR REVISION:
UPDATED FIX USE.
UPDATED TRUE BEARING FOR FIX 3.

DEVELOPED BY: **DATE:** 01/18/2012 **OFFICE:** AJV-354 **NAME:** ADOLFO URRUTIA (MIKE MELSSEN)

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

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: WST
ARTCC: ZLA
ATC FACILITY: SOCAL APP CON
OTHER: KRAL ATCT

QUALITY CHECKED 9

RADIO FIX AND HOLDING DATA RECORD

NAME: POMONA VORTAC **STATE:** CA **COUNTRY:** US

LATITUDE/LONGITUDE: 340442.19N/1174713.46W **TYPE:**

AIRSPACE DOCKET: **FIX TYPE OF ACTION:** NO CHANGE

FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM FAC NM	DIST FROM FAC FEET	MRA	MAA
1	POMONA	POM	VORTAC	L							17500

FIX RESTRICTIONS:
MCA V210-394 10300 NORTHEAST BOUND
MCA V264 5600 EASTBOUND

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	POM	VORTAC	112.00	292.00	L	1-1 1/2		4000	17500	4	16
2	SW	POM	VORTAC	240.00	060.00	R	1		4000	10000	4	9
3	SW	POM	VORTAC	233.00	053.00	R	1		3700	10000	4	9

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	AAO	340939.00N/1174754.00W	3449	4E
2	200	AAO	340957.00N/1174500.00W	3639	4E
3	200	AAO	340957.00N/1174439.00W	3665	4E

REASON FOR NONSTANDARD HOLDING:
PAT 1 TERRAIN

HOLDING RESTRICTIONS:
HOLDING LIMITED TO ESTABLISHED PATTERNS.

REMARKS:
PRECIPITOUS TERRAIN EVALUATION COMPLETED.
PAT 1 CONTROLLING OBSTACLE 1.32NM INTO SECONDARY AREA, PRIMARY EQUIVALENT HEIGHT 2618 MSL.
PAT 2 CONTROLLING OBSTACLE 1.98NM INTO SECONDARY AREA, PRIMARY EQUIVALENT HEIGHT 2645 MSL.
PAT 3 CONTROLLING OBSTACLE 1.97NM INTO SECONDARY AREA, PRIMARY EQUIVALENT HEIGHT 2668 MSL.
MINIMUM TURNING ALTITUDE: AIRCRAFT PROCEEDING AMTRA V264 POM V197 PMD MUST MAINTAIN 11800 OR HIGHER UNTIL ESTABLISHED ON CENTERLINE OF V197 NORTHWEST BOUND.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	ANAHEIM			KFUL	FULLERTON	CA (US)
DP	TAKE-OFF MINIMUMS			KPOC	LA VERNE	CA (US)
DP	ANAHEIM			KLGB	LONG BEACH	CA (US)
DP	LAXX			KLAX	LOS ANGELES	CA (US)
DP	HASSA			KONT	ONTARIO	CA (US)
DP	ONTARIO			KONT	ONTARIO	CA (US)
DP	POMONA			KONT	ONTARIO	CA (US)
DP	ANAHEIM			KSNA	SANTA ANA	CA (US)
DP	IRVINE			KSNA	SANTA ANA	CA (US)
DP	MUSEL			KSNA	SANTA ANA	CA (US)
DP	GLENDALE			KVNY	VAN NUYS	CA (US)
EN ROUTE	V197					(US)
EN ROUTE	V210-394					(US)
EN ROUTE	V264					(US)
EN ROUTE	V363					(US)
EN ROUTE	V394					(US)
IAP	NDB OR GPS-C		1	KEMT	EL MONTE	CA (US)
IAP	VOR OR GPS-A		1	KEMT	EL MONTE	CA (US)
IAP	VOR/DME OR GPS-B			KEMT	EL MONTE	CA (US)
IAP	RNAV (GPS) RWY 24			KFUL	FULLERTON	CA (US)
IAP	ILS RWY 26L			KPOC	LA VERNE	CA (US)
IAP	LOC RWY 26L			KPOC	LA VERNE	CA (US)
IAP	VOR OR GPS-A			KPOC	LA VERNE	CA (US)
IAP	RNAV (GPS) RWY 22L			KSLI	LOS ALAMITOS	CA (US)
IAP	ILS OR LOC RWY 24L			KLAX	LOS ANGELES	CA (US)
IAP	ILS OR LOC RWY 24R			KLAX	LOS ANGELES	CA (US)
IAP	ILS OR LOC RWY 25L			KLAX	LOS ANGELES	CA (US)
IAP	ILS OR LOC RWY 25R			KLAX	LOS ANGELES	CA (US)
IAP	ILS RWY 24R(CAT II)			KLAX	LOS ANGELES	CA (US)
IAP	ILS RWY 24R(CAT III)			KLAX	LOS ANGELES	CA (US)
IAP	ILS RWY 25L(CAT II)			KLAX	LOS ANGELES	CA (US)
IAP	ILS RWY 25L(CAT III)			KLAX	LOS ANGELES	CA (US)
IAP	ILS OR LOC RWY 8L			KONT	ONTARIO	CA (US)
IAP	VOR/DME RWY 8R		2	KONT	ONTARIO	CA (US)
IAP	NDB OR GPS-A		1	KL67	RIALTO	CA (US)

IAP	ILS OR LOC RWY 9		KRAL	RIVERSIDE	CA (US)
IAP	RNAV (GPS) RWY 9		KRAL	RIVERSIDE	CA (US)
IAP	ILS OR LOC RWY 19R		KSNA	SANTA ANA	CA (US)
IAP	RNAV (GPS) Y RWY 19R		KSNA	SANTA ANA	CA (US)
IAP	RNAV (RNP) Z RWY 19R		KSNA	SANTA ANA	CA (US)
IAP	RNAV(GPS) RWY 6		KCCB	UPLAND	CA (US)
IAP	VOR-A	3	KCCB	UPLAND	CA (US)
IAP	ILS RWY 16R (ALT MISS)	1	KVNY	VAN NUYS	CA (US)
STAR	KAYOH		KLGB	LONG BEACH	CA (US)
STAR	OLDEE		KLAX	LOS ANGELES	CA (US)
STAR	SEAVU		KLAX	LOS ANGELES	CA (US)
STAR	ZIGGY		KONT	ONTARIO	CA (US)
STAR	MARCH		KRIV	RIVERSIDE	CA (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 17 **DATE OF REVISION:** 09/20/2012

REASON FOR REVISION:
UPDATED PAT 1,2,3 CONTROLLING OBSTACLE PRIMARY EQUIVALENT HEIGHT.

DEVELOPED BY: **DATE:** 01/18/2012 **OFFICE:** AJV-354 **NAME:** ADOLFO URRUTIA (MIKE MELSSEN)

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

SIGNATURE:

DISTRIBUTION: **NFDC**
FPO: WST
ARTCC: ZLA
ATC FACILITY: SOCAL TRACON
OTHER: LAX ATCT

QUALITY CHECKED 9

RADIO FIX AND HOLDING DATA RECORD

NAME: WISUP **STATE:** CA **COUNTRY:** US

LATITUDE/LONGITUDE: 335519.15N/1174308.07W **TYPE:** 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	PARADISE	PDZ	VORTAC	H	256.38	271.38	9.43	9.43		4000	17500
2	POMONA	POM	VORTAC	L	145.03	160.03		9.97		4000	17500
3	FULLERTON	I-FUL	LOC/DME		062.99	076.99	13.69	13.69		4000	4500

HOLDING: **HOLDING TYPE OF ACTION:** MODIFY

PATTERNS:

PAT	DIR	IDENT	TYPE	RAD/CRS/BRG	CRS INBOUND	TURN (L OR R)	LEG LENGTH TIME	LEG LENGTH DME	HOLDING ALTITUDES MIN	HOLDING ALTITUDES MAX	TEMPLATES MIN	TEMPLATES MAX
1	W	PDZ	VORTAC	256.38	076.38	R	1		4000	6000	4	5
2	E	PDZ	VORTAC	076.38	256.38	R	1		4000	6000	4	5

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	AAO	335101.35N/1173913.00W	3245	2C
2	200	AAO	335101.35N/1173913.00W	3245	2C

HOLDING RESTRICTIONS:
HOLDING LIMITED TO ESTABLISHED PATTERNS.

REMARKS:
PARADISE (FAC 1) AND POMONA (FAC 2) USED TO ESTABLISH FIX COORDINATES
PRECIPITOUS TERRAIN EVALUATION COMPLETED.
PAT 2 CONTROLLING OBSTACLE LOCATED 4500 FT INTO SECONDARY AREA, PRIMARY EQUIVALENT HEIGHT 2552 MSL.
PAT 1 CONTROLLING OBSTACLE LOCATED 3907 FT INTO SECONDARY AREA, PRIMARY EQUIVALENT HEIGHT 2574 MSL.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
EN ROUTE	V16-370	1, 2				(US)
IAP	LOC/DME RWY 24	3		KFUL	FULLERTON	CA (US)
IAP	ILS OR LOC RWY 8L	1, 2	2	KONT	ONTARIO	CA (US)
IAP	ILS OR LOC RWY 9	1, 2	1	KRAL	RIVERSIDE	CA (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 2 **DATE OF REVISION:** 09/20/2012

REASON FOR REVISION:
UPDATED FIX USE.
ADDED HOLDING PATTERN 2.
ADDED DISTANCE FROM FAC FOR FULLERTON.
UPDATED MRA FOR ALL FACILITIES TO 4000 FROM 3000.
CHANGED LEG LENGTH FROM 1-1/2 TO 1 FOR BOTH HOLDING PATTERNS.

DEVELOPED BY: **DATE:** 04/12/2012 **OFFICE:** AJV-354 **NAME:** ADOLFO URRUTIA (MIKE MELSSEN)

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

SIGNATURE:

DISTRIBUTION: **NFDC**
FPO: WST
ARTCC: ZLA
ATC FACILITY: SOCAL APP CON
OTHER: FUL TOWER

QUALITY CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: SEAL BEACH VORTAC **STATE:** CA **COUNTRY:** US

LATITUDE/LONGITUDE: 334659.87N/1180317.12W **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	SEAL BEACH	SLI	VORTAC	L							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	NE	SLI	VORTAC	058.00	238.00	L	1-1 1/2		2600	17500	4	16
2	SE	SLI	VORTAC	120.00	300.00	L	1-1 1/2		1500	17500	4	16
3	S	SLI	VORTAC	171.00	351.00	L	1-1 1/2		1800	17500	4	16
4	NE		WP	058.00	238.00	L		4	2600	12000	5	10
5	SE		WP	120.00	300.00	L		4	2600	14000	5	11

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
UPN	200	AAO	335421.00N/1175742.00W	804	4E
1	200	BLDG (06-000442)	334652.00N/1175336.00W	473	1D
2	200	TOWER (06-002478)	334725.60N/1180855.10W	337	2C
3	200	TOWER (06-002478)	334725.60N/1180855.10W	337	2C
3	310	TOWER (06-020156)	335246.80N/1180049.66W	750	4D
4	200	BLDG (06-000442)	334652.00N/1175336.00W	473	1D
5	200	AAO	374745.00N/1180924.00W	437	4E

REASON FOR NONSTANDARD HOLDING:
PAT 1 ATC REQUEST
PAT 2 ATC REQUEST
PAT 3 ATC REQUEST
PAT 4 ATC REQUEST
PAT 5 ATC REQUEST

HOLDING RESTRICTIONS:
UNPLANNED HOLDING AUTHORIZED AT OR ABOVE 1900.

PROCEDURES REQUIRING CLIMB-IN-HOLD:

PAT	PROCEDURE TITLE	AIRPORT IDENT	CITY	STATE
1	RADAR 1	KSLI	LOS ALAMITOS	CA (US)
1	RADAR 2	KSLI	LOS ALAMITOS	CA (US)
1	RADAR 3	KSLI	LOS ALAMITOS	CA (US)
3	TAKEOFF MINIMUMS	KFUL	FULLERTON	CA (US)
3	TAKEOFF MINIMUMS	KSNA	SANTA ANA	CA (US)

REMARKS:
PRECIPITOUS TERRAIN EVALUATION COMPLETED.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	ELMOO			KBUR	BURBANK	CA (US)
DP	ANAHEIM			KFUL	FULLERTON	CA (US)
DP	TAKEOFF MINIMUMS		3	KFUL	FULLERTON	CA (US)
DP	ANAHEIM			KLGB	LONG BEACH	CA (US)
DP	TAKEOFF MINIMUMS			KLGB	LONG BEACH	CA (US)
DP	ALBACOR			KSLI	LOS ALAMITOS	CA (US)
DP	TAKEOFF MINIMUMS			KSLI	LOS ALAMITOS	CA (US)
DP	CATALINA			KLAX	LOS ANGELES	CA (US)
DP	GABRE			KLAX	LOS ANGELES	CA (US)
DP	IMPER			KLAX	LOS ANGELES	CA (US)
DP	JEDDD (RNAV)			KLAX	LOS ANGELES	CA (US)
DP	LAXX			KLAX	LOS ANGELES	CA (US)
DP	OSHNN (RNAV)			KLAX	LOS ANGELES	CA (US)
DP	SAN DIEGO			KLAX	LOS ANGELES	CA (US)
DP	SEAL BEACH			KLAX	LOS ANGELES	CA (US)
DP	SEBBY			KLAX	LOS ANGELES	CA (US)
DP	TAKEOFF MINIMUMS			KLAX	LOS ANGELES	CA (US)
DP	PRADO			KONT	ONTARIO	CA (US)
DP	DOYLE			KNTD	POINT MUGU	CA (US)
DP	LNSAY			KSAN	SAN DIEGO	CA (US)
DP	PEBLE			KSAN	SAN DIEGO	CA (US)
DP	ANAHEIM			KSNA	SANTA ANA	CA (US)
DP	CHANNEL			KSNA	SANTA ANA	CA (US)
DP	IRVINE			KSNA	SANTA ANA	CA (US)
DP	MUSEL			KSNA	SANTA ANA	CA (US)
DP	TAKEOFF MINIMUMS		3	KSNA	SANTA ANA	CA (US)

DP	PEVEE (RNAV)		KSMO	SANTA MONICA	CA (US)
DP	GLENDALE		KVNY	VAN NUYS	CA (US)
EN ROUTE	J134				(US)
EN ROUTE	J169				(US)
EN ROUTE	J78				(US)
EN ROUTE	T245				(US)
EN ROUTE	T247				(US)
EN ROUTE	T249				(US)
EN ROUTE	V165				(US)
EN ROUTE	V21				(US)
EN ROUTE	V23				(US)
EN ROUTE	V283				(US)
EN ROUTE	V372				(US)
EN ROUTE	V394				(US)
EN ROUTE	V459				(US)
EN ROUTE	V597				(US)
EN ROUTE	V64				(US)
EN ROUTE	V8				(US)
IAP	NDB OR GPS-C		KEMT	EL MONTE	CA (US)
IAP	VOR OR GPS-A		KEMT	EL MONTE	CA (US)
IAP	VOR/DME OR GPS-B		KEMT	EL MONTE	CA (US)
IAP	LOC/DME RWY 24	2	KFUL	FULLERTON	CA (US)
IAP	RNAV (GPS) RWY 24	4	KFUL	FULLERTON	CA (US)
IAP	VOR-A	1	KFUL	FULLERTON	CA (US)
IAP	LOC RWY 25		KHHR	HAWTHORNE	CA (US)
IAP	RNAV (GPS) RWY 25		KHHR	HAWTHORNE	CA (US)
IAP	VOR RWY 25		KHHR	HAWTHORNE	CA (US)
IAP	ILS RWY 26L		KPOC	LA VERNE	CA (US)
IAP	LOC RWY 26L		KPOC	LA VERNE	CA (US)
IAP	VOR OR GPS-A		KPOC	LA VERNE	CA (US)
IAP	ILS OR LOC RWY 30		KLGB	LONG BEACH	CA (US)
IAP	RNAV (GPS) Z RWY 30		KLGB	LONG BEACH	CA (US)
IAP	VOR OR TACAN RWY 30	2	KLGB	LONG BEACH	CA (US)
IAP	NDB RWY 22L		KSLI	LOS ALAMITOS	CA (US)
IAP	RADAR 1	1	KSLI	LOS ALAMITOS	CA (US)
IAP	RADAR 2	1	KSLI	LOS ALAMITOS	CA (US)
IAP	RADAR 3	1	KSLI	LOS ALAMITOS	CA (US)
IAP	VOR OR TACAN RWY 22L		KSLI	LOS ALAMITOS	CA (US)
IAP	ILS OR LOC RWY 06L		KLAX	LOS ANGELES	CA (US)
IAP	ILS OR LOC RWY 06R		KLAX	LOS ANGELES	CA (US)
IAP	ILS OR LOC RWY 07L		KLAX	LOS ANGELES	CA (US)
IAP	ILS OR LOC RWY 07R		KLAX	LOS ANGELES	CA (US)
IAP	ILS OR LOC RWY 24L		KLAX	LOS ANGELES	CA (US)
IAP	ILS OR LOC RWY 24R		KLAX	LOS ANGELES	CA (US)
IAP	ILS OR LOC RWY 25L		KLAX	LOS ANGELES	CA (US)
IAP	ILS OR LOC RWY 25R		KLAX	LOS ANGELES	CA (US)
IAP	ILS RWY 24R (CAT II)		KLAX	LOS ANGELES	CA (US)
IAP	ILS RWY 24R (CAT III)		KLAX	LOS ANGELES	CA (US)
IAP	ILS RWY 25L (CAT II)		KLAX	LOS ANGELES	CA (US)
IAP	ILS RWY 25L (CAT III)		KLAX	LOS ANGELES	CA (US)
IAP	ILS RWY 25R (SA CAT I)		KLAX	LOS ANGELES	CA (US)
IAP	ILS RWY 25R (SA CAT II)		KLAX	LOS ANGELES	CA (US)
IAP	RNAV (GPS) RWY 25R		KLAX	LOS ANGELES	CA (US)
IAP	RNAV (GPS) Y RWY 24L		KLAX	LOS ANGELES	CA (US)
IAP	RNAV (GPS) Y RWY 24R		KLAX	LOS ANGELES	CA (US)
IAP	RNAV (GPS) Y RWY 25L		KLAX	LOS ANGELES	CA (US)
IAP	ILS OR LOC RWY 9		KRAL	RIVERSIDE	CA (US)
IAP	FREEWAY VISUAL RWY 19R		KSNA	SANTA ANA	CA (US)
IAP	ILS OR LOC RWY 19R		KSNA	SANTA ANA	CA (US)
IAP	LDA RWY 19R		KSNA	SANTA ANA	CA (US)
IAP	LOC BC RWY 1L	2	KSNA	SANTA ANA	CA (US)
IAP	RNAV (GPS) RWY 1L	5	KSNA	SANTA ANA	CA (US)
IAP	VOR OR GPS-A		KSMO	SANTA MONICA	CA (US)
IAP	ILS OR LOC RWY 29R		KTOA	TORRANCE	CA (US)
IAP	RNAV (GPS) RWY 29R		KTOA	TORRANCE	CA (US)
IAP	VOR OR GPS RWY 11L		KTOA	TORRANCE	CA (US)
STAR	FERNANDO		KBUR	BURBANK	CA (US)
STAR	FODRR		KCRQ	CARLSBAD	CA (US)
STAR	KAYOH		KLGB	LONG BEACH	CA (US)
STAR	TANDY		KLGB	LONG BEACH	CA (US)
STAR	BASET		KLAX	LOS ANGELES	CA (US)
STAR	BUFIE (RNAV)		KLAX	LOS ANGELES	CA (US)
STAR	DOWNE		KLAX	LOS ANGELES	CA (US)
STAR	KIMMO		KLAX	LOS ANGELES	CA (US)
STAR	LEENA		KLAX	LOS ANGELES	CA (US)
STAR	OCEAN		KLAX	LOS ANGELES	CA (US)
STAR	REDEYE		KLAX	LOS ANGELES	CA (US)
STAR	REEDR		KLAX	LOS ANGELES	CA (US)
STAR	SEAVU		KLAX	LOS ANGELES	CA (US)
STAR	SHIVE		KLAX	LOS ANGELES	CA (US)
STAR	VISTA		KLAX	LOS ANGELES	CA (US)

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

COMPULSORY REPORTING POINT: NO

QUALITY CHECK

RECORD REVISION NUMBER: 15 **DATE OF REVISION:** 05/03/2012

REASON FOR REVISION:
1. PATTERN 6 REMOVED DUE TO REDUNDANCY WITH PATTERN 1.
2. PATTERN 3 "310KT" OBSTACLE ADDED.
3. KFUL ADDED TO C-I-H FOR TEXTUAL DP.
4. FIX USE UPDATED.

DEVELOPED BY:	**DATE:** 01/11/2012	**OFFICE:** AJV-354	**NAME:** ADOLFO URRUTIA (ALLAN WILL)
APPROVED BY:	**DATE:** 03/16/2012	**OFFICE:** AJV-354	**NAME:** DEZ SILAGYI
	SIGNATURE:		

DISTRIBUTION:
NFDC
FPO: WST
ARTCC: ZLA
ATC FACILITY: SOCAL TRACON
OTHER: SNA ATCT, SLI ATCT, HHR ATCT, FUL ATCT