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
WAGER (IF/IAF)	GIFME (FB)	266.79 / 9.94	1700
GIFME (FAF)	YOLUS/1.50 NM TO RW25 (FB)	251.79 / 3.64	
YOLUS/1.50 NM TO RW25	RW25 (MAP) (FO)	251.74 / 1.50	
RW25 (MAP)	500 MSL	251.74	500
500 MSL	JIRAG (FO)		3100

MISSED APPROACH

LP: RW25
LNAV: RW25

CLIMB TO 500 THEN CLIMBING RIGHT TURN TO 3100 DIRECT JIRAG AND HOLD, CONTINUE CLIMB-IN-HOLD TO 3100.

ADDITIONAL FLIGHT DATA:
HOLD S, RT, 015.00 INBOUND.
CHART FAS OBST: 49 TREE 381135N/1214108W
CHART FAS OBST: 203 T-L TWR 381119N/1213944W
CHART VDP AT 0.56 MILES TO RW25
WAAS CHANNEL # 82325
REFERENCE PATH ID: W25A
GIFME TO RW25: 3.00/40
LTP HAE: -25.6 M

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. HOLD E WAGER, RT, 266.79 INBOUND, 3200 FT. IN LIEU OF PT (IAF)
3. FAC: 251.79 FAF: GIFME DIST FAF TO MAP: 5.14 THLD: 5.14
4. MIN. ALT: WAGER 3200, GIFME 1700, YOLUS/1.50 NM TO RW25 520
5. DIST TO THLD FROM OM: ____ MM: ____ IM: ____ 150 HAT: ____ 100 HAT: ____ GS ANT: ____
6. MIN GS INCPT: ____ GS ALT AT: ____ OM: ____ MM: ____ IM: ____
7. GS ANGLE: ____ TCH: 34:1 IS CLEAR
8. MSA FROM: RW25 5100

MAG VAR: 14E EPOCH YEAR: 2010

MINIMUMS

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

CATEGORY =====>	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LP MDA	300	1	278	300	1	278	300	7/8	278		NA				
LNAV MDA	460	1	438	460	1	438	460	1 1/4	438		NA				
CIRCLING	520	1	497	520	1	497	560	1 1/2	537		NA				

NOTES:
CHART NOTE: DME/DME RNP-0.3 NA.
CHART PROFILE NOTE: VGSI AND DESCENT ANGLES NOT COINCIDENT.
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE CONCORD ALTIMETER SETTING AND INCREASE ALL MDA 60 FEET, INCREASE LP AND LNAV CAT C VISIBILITY 1/8 MILE
(SEE FORM 8260-10)

QUALITY 2 CHECKED

CITY AND STATE	ELEVATION: 23 THRE: 22 AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
RIO VISTA, CA	RIO VISTA MUNI	RNAV	RNAV (GPS) RWY 25, AMDT 3	AMDT: 2
				DATED 08/25/2011

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] **ZOA, NORCAL APP CON, SUU APP CON.**

FLIGHT CHECKED BY		
NAME:	FIFO	DATE:

DEVELOPED BY		
NAME: **ADOLFO URRUTIA (BRYAN BLUE)**	FIFO **AJV-354**	DATE: **11/02/2011**

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

CHANGES:

1. ALL 20:1 AND 34:1 PENETRATIONS FOR RWY 25 REMOVED
2. REMOVED CHART NOTE "VISIBILITY REDUCTION BY HELICOPTERS NA"
3. REMOVED CHART NOTE "PROCEDURE NA AT NIGHT"
4. LNAV MDA LOWERED FROM CAT A AND B 520-1 (498) TO 460-1 (438) AND CAT C 520-1 3/8 (498) TO 460-1 1/4 (438)
5. LP MDA LOWERED FROM CAT A AND B 520-1 (498) TO 300-1 (278) AND CAT C 520-1 3/8 TO CAT C 300-7/8 (278)
6. ADDED STEPDOWN FIX YOLUS
7. FINAL LENGTH CHANGED FROM 5.15 TO 5.14
8. MISSED HOLDING CHANGED FROM "CLIMB TO 4200 DIRECT WUTOB AND ON TRACK 181.89 TO PITTS" TO "CLIMB TO 500 THEN CLIMBING RIGHT TURN TO 3100 DIRECT JIRAG AND HOLD, CONTINUE CLIMB-IN-HOLD TO 3100"
9. HOLD-IN-LIEU MINIMUM ALTITUDE CHANGED FROM 3100 TO 3200
10. CHANGED NOTE "34:1 IS NOT CLEAR" TO "34:1 IT CLEAR"
11. CHANGED CHART NOTE "USE CONCORD ALTIMETER SETTING, WHEN NOT RECEIVED USE VACAVILLE ALTIMETER SETTING AND INCREASE ALL MDA 20 FEET" TO "WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE CONCORD ALTIMETER SETTING AND INCREASE ALL MDA 60 FEET, INCREASE ALL CAT C VISIBILITY 1/8 MILE"
12. ADDED VDP
SEE 8260-10

REASONS:

1, 2, 3, 10. PER NOTAM FDC 1/1017
4, 5. PER AVNIS LOCAL WEATHER ADDED AS PRIMARY ALTIMETER AND ALLOWED FOR STEPDOWN
6. TO LOWER MINIMUM PER FPT
7. PFAF MOVED PER .54A FORMULA
8, 9. PER FPO REQUEST
11. 8260.19D PAR 854 CHP 8
12, 13. 20:1 AND 34:1 PENETRATIONS REMOVED PER FPT
13, 14. DESIGNED PER FPO TO ELIMINATE IF STEPDOWN BY OFFSETTING THE IF WAGER TO GIFME.
16. 8260.19D PAR 855 CHP 8
17. 20:1 PENETRATIONS EXIST FOR RWY 7 AND 15

QUALITY CHECKED 2

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

RNAV - STANDARD
INSTRUMENT APPROACH PROCEDURE - TITLE 14 CFR PART 97.33

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NOTES, (CONT.):
CHART PLANVIEW NOTE: NOPT FOR ARRIVALS AT WAGER ON V585 NORTHWEST BOUND.
CHART NOTE: VDP NA WITH CONCORD ALTIMETER SETTING
CHART NOTE: WHEN VGSI INOP, CIRCLING RWY 07, 15 NA AT NIGHT.

QUALITY 2 CHECKED

CITY AND STATE	ELEVATION: 23 THRE: 22	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
RIO VISTA, CA	AIRPORT NAME: RIO VISTA MUNI	RNAV	RNAV (GPS) RWY 25, AMDT 3	AMDT: 2
				DATED: 08/25/2011

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.
13. REMOVED NOTAM FDC 1/1017
14. INTERMEDIATE STEPDOWN WIMUP TO GIFME REMOVED
15. INTERMEDIATE WAGER TO GIFME OFFSET CHANGED FROM 251.90 AND 5.67 TO 266.79 AND 9.94
16. ADDED CHART NOTE "VDP NA WITH CONCORD ALTIMETER SETTING"
17. ADDED CHART NOTE "CHART NOTE: WHEN VGSI INOP, CIRCLING RWY 07, 15 NA AT NIGHT."

REASONS:

QUALITY CHECKED 2

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FAS DATA BLOCK INFORMATION

DATA FIELD	DATA
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	O88
RUNWAY	RW25
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W25A
LTP/FTP LATITUDE	381139.5135N
LTP/FTP LONGITUDE	1214141.9405W
LTP/FTP ELLIPSOIDAL HEIGHT	-00256
FPAP LATITUDE	381132.8400N
FPAP LONGITUDE	1214334.6400W
THRESHOLD CROSSING HEIGHT (TCH)	00040.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1472
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	0.0
CRC REMAINDER	49CA46CA

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K2
LTP ORTHOMETRIC HEIGHT	+00066
FPAP ORTHOMETRIC HEIGHT	+00066

QUALITY 2 CHECKED

CITY AND STATE	ELEVATION: 23 THRE: 22	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
RIO VISTA, CA	AIRPORT NAME: RIO VISTA MUNI	RNAV	RNAV (GPS) RWY 25, AMDT 3	AMDT: 2
				DATED: 08/25/2011

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 2 CHECKED

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

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ARINC PACKET - 424-8 - RNAV (GPS)

```
                1         2         3         4         5         6         7         8         9         0         1         2         3
WP      123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAEAENRT   GIFME K20    W     N38120239W121351142                      E0141     NAR           GIFME
        SUSAEAENRT   JIRAG K20    W     N38213422W121371687                      E0141     NAR           JIRAG
        SUSAEAENRT   WAGER K20    C   L N38101130W121224810                      E0140     NAR           WAGER
        SUSAEAENRT   YOLUS K20    W     N38114622W121394809                      E0141     NAR           YOLUS

                1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP O88 K2AO88     0     042YHN38113620W121421310E014000023         1800018000C    MNAR    RIO VISTA MUNI

                1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP O88 K2FR25   AWAGER 010WAGERK2EA0EE AR   HF                    26680040    + 03200     18000                 A JS
        SUSAP O88 K2FR25   R      010WAGERK2EA0E  I    IF                                + 03200     18000                 A JS
        SUSAP O88 K2FR25   R      020GIFMEK2EA1E  F 051TF                    26680099    + 01700                 RW25  K2PGA JS
        SUSAP O88 K2FR25   R      020GIFMEK2EA2WALP        N          ALNAV                                                  JS
        SUSAP O88 K2FR25   R      021YOLUSK2EA0E S  031TF                    25180036    V 0052000539        -300          A JS
        SUSAP O88 K2FR25   R      030RW25 K2PG0GY M 031TF                    25170015      00062             -300          A JS
        SUSAP O88 K2FR25   R      040         0  M     CA                    2517        + 00500                           A JS
        SUSAP O88 K2FR25   R      050JIRAGK2EA0EY  R   DF                                + 03100                           A JS
        SUSAP O88 K2FR25   R      060JIRAGK2EA0EE  R   HM                    01500040    + 03100                           A JS

                1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY  123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP O88 K2GRW25    0042012517 N38113951W121414194+0000    -0025600022000040075R

                1         2         3         4         5         6         7         8         9         0         1         2         3
PP      123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP O88 K2PR25   RW25 001 0000W25A0N3811395135W12141419405-002560300N3811328400W121433464001067514720004 00F40000049CA46CA
        SUSAP O88 K2PR25   RW25 002E      +00066+00066LP        82325

                1         2         3         4         5         6         7         8         9         0         1         2         3
MSA     123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP O88 K2SRW25 K2PG                0   18018005125                                                                    M
```

GUALITY CHECKED 1

CITY AND STATE	ELEVATION: 23 THRE: 22	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
RIO VISTA, CA	AIRPORT NAME: RIO VISTA MUNI	RNAV	RNAV (GPS) RWY 25, AMDT 3	AMDT: 2
				DATED: 08/25/2011

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

COORDINATED WITH:

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

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

CHANGES:

REASONS:

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - **FAR PART 97.33**

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ARINC SUMMARY - 424-8 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
	WAGER	WAGER	010	IAF	HF	R	FO		266.8(280.8T)	004.0	AA 03200	
		WAGER	010	FACF	IF		FB				AA 03200	
		GIFME	020	FAF	TF		FB	0.5	266.8(280.8T)	009.9	AA 01700	
		YOLUS	021	SDF	TF		FB	0.3	251.8(265.8T)	003.6	AA 00520 GS 00539	
		RW25	030	MAP	TF		FO	0.3	251.7(265.7T)	001.5	AT 00062	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		251.7(265.7T)		AA 00500	
	JIRAG	050		DF	R	FO				AA 03100	
	JIRAG	060		HM	R	FO		015.0(029.0T)	004.0	AA 03100	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	GIFME	N381202.39	W1213511.42	N3812.040	W12135.190
	JIRAG	N382134.22	W1213716.87	N3821.570	W12137.281
	WAGER	N381011.30	W1212248.10	N3810.188	W12122.802
	YOLUS	N381146.22	W1213948.09	N3811.770	W12139.802
	RW25	N381139.51	W1214141.94	N3811.659	W12141.699

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW25	00022	40

QUALITY CHECKED 1

CITY AND STATE	ELEVATION: 23 THRE: 22	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
RIO VISTA, CA	AIRPORT NAME: RIO VISTA MUNI	RNAV	RNAV (GPS) RWY 25, AMDT 3	AMDT: 2
				DATED: 08/25/2011

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

COORDINATED WITH:

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

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

CHANGES:

REASONS:

STANDARD INSTRUMENT APPROACH PROCEDURE DATA RECORD

PART - A OBSTRUCTION DATA

1. APP SEGMENT	FROM	TO	OBSTRUCTION	COORDINATES	ELEV. MSL	ROC	ALT. ADJUSTMENTS	MIN. ALT.
INTERMEDIATE	WAGER (IF/IAF)	GIFME	1. AAO	381045.00N/1212136.00W	338 (4E)	500	AC98 AT764	1700
			2. TERRAIN	380954.00N/1212400.00W	92 (100)		AS1500	1600
FINAL: LP	GIFME	YOLUS/1.50 NM TO	3. AAO	381229.90N/1213608.21W	219 (2C)	250	RA49	520
		RW25						
FINAL: LP STEPDOWN	YOLUS/1.50 NM TO	RW25	4. TREE	381134.77N/1214108.31W	49 (2C)	250		300
	RW25							
FINAL: LNAV	GIFME	YOLUS/1.50 NM TO	3. AAO	381229.90N/1213608.21W	219 (2C)	250	RA49	520
		RW25						
FINAL: LNAV STEPDOWN	YOLUS/1.50 NM TO	RW25	5. T-L TWR (06-021235)	381119.00N/1213943.85W	203 (1A)	250		460
	RW25							
2. HOLD-IN-LIEU-OF-PT	WAGER	P-5	6. TOWER (06-001883)	381424.00N/1213007.00W	2049 (3D)	1000	AT1138 SA-987	3200
			7. TERRAIN	381103.00N/1212151.00W	137 (100)		AS1500	1600
3. MISSED APPROACH — MAP:	RW25	JIRAG				ASC		3100
			8. WINDMILL(06-021846)	381031.23N/1214524.68W	551(5D)	1000		1600
ELEV:	200/360		9. TERRAIN	381127.00N/1214651.00W	155 (200)		AS1500	1700

4. CIRCLING AREA	DISTANCE	HT. ABV. ARPT. REQUIRED	HT. ABV. ARPT. ACTUAL							
CATEGORY A	1.3 NM	350	497	10. TREE	381024.66N/1214316.80W	129 (2C)	300	XP91	520
CATEGORY B	1.5 NM	450	497	11. TREE	381000.58N/1214257.46W	159 (2C)	300	XP61	520
CATEGORY C	1.7 NM	450	537	5. T-L TWR (06-021235)	381119.00N/1213943.85W	203 (1A)	300	XP57	560
CATEGORY D	2.3 NM	550							
CATEGORY E	4.5 NM	550							

5. MINIMUM SAFE ALTITUDES — PRIMARY NAVAID: RW25

SECTOR	OBSTRUCTION	BRG/DIST	ELEVATION (MSL)	M S A	SECTOR	OBSTRUCTION	BRG/DIST	ELEVATION (MSL)	M S A
360-360	AAO	193/ 21.4	4049 (4E)	5100					

QUALITY CHECKED

CITY AND STATE	ELEVATION: 23 / AIRPORT NAME:	FACILITY	PROCEDURE AND AMENDMENT NO:	REGION
RIO VISTA, CA	RIO VISTA MUNI	RNAV	RNAV (GPS) RWY 25, AMDT 3	AWP

PART B - SUPPLEMENTAL DATA

1. COMMUNICATIONS WITH:	2. WEATHER SERVICE	3. ALTIMETER SETTING
NORCAL APP CON SUU APP CON	N W S / F A A / A / C — OTHER:	SOURCE: KO88 / KCCR DISTANCE: 0 / 20.71 HOURS REMOTE OPERATION: 24 / 24
SATISFACTORY ON: X VHF X UHF H F	LOCATION:	ADJUSTMENT: 0 / 49

4. MONITOR STATUS	PRIMARY NAVAID:	
	MONITOR POINT:	
	HRS OPTN:	CAT 1
		CAT 3
5. APPROACH & RUNWAY LIGHTING		ALS
		(S) SALS
		MALS
		HIRL
	X	MIRL 33 (PCL), 15 (PCL), 25 (PCL), 07 (PCL)
		REIL
		TDZ
		C/LINE
	X	OTHER (SPECIFY) PAPI-2L 33 (PCL), 15 (PCL), 25 (PCL), 07 (PCL)
6. RUNWAY MARKINGS	BASIC	
	ALL WEATHER	
	INSTRUMENT	NPI-G 33, 15, 25, 07
7. RUNWAY VISUAL RANGE	APPROACH	
	MIDFIELD	
	ROLL OUT	
8. GLIDE PATH	GP ANGLE:	ELEV RWY THRESHOLD:
	DISTANCE FROM RWY:	ELEV GP ANTENNA:
		THRESHOLD CROSSING HEIGHT:
9. FINAL APPROACH COURSE AIMING	X	RUNWAY THRESHOLD — FT. FROM THRESHOLD
	X	ON CENTERLINE — FT. FROM CENTERLINE

10. WAIVERS: NONE

PART D - PREPARED BY: ADOLFO URRUTIA (BRYAN BLUE)	DATE: 11/02/2011
TITLE: AERONAUTICAL INFORMATION SPECIALIST	OFFICE: AJV-354

PART C - REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED.

BLOCK 2: WEATHER SERVICE
OTHER: AWOS FOR KO88 IS NOT ON SERVICE A
LOCATION: ON ARPT

SEE ATTACHED AIRSPACE LETTER.

34:1 AND 20:1 TERRAIN PENTRATIONS NOTAM 1/1017 HAVE BEEN REMOVED PER AIRPORT MANAGER AND FPT FOR RWY 25. NIGHT OPS APPROVED PER FPT

20:1 PENETRATIONS ARE VEHICLES ESTABLISHED ON A ROAD NEAR THE AIRPORT. PER FPT AND AIRPORT MANAGER, THE AREA CLEAR FROM PENETRATION ARE ONLY STATED FOR RWY 25. THIS ALLOWS FOR THE REMOVAL OF THE PROCEDURE NA AT NIGHT FOR RWY 25. RWYS 7 AND 15 MUST HAVE VGSI IN OPERATION TO ALLOW NIGHT OPS DUE TO 20:1 PENETRATIONS.

20:1 PENETRATIONS EXIST, FPT NOTIFIED

TERPS, VOLUME 1, PARAGRAPH 251
PENETRATIONS:
20:1
RWY 07
44 VEHICLE ON ROAD 381133.70N/1214240.76W (10.14)
49 TREE 381133.70N/1214240.76W (11.31)

RWY 15
39 TREE 381145.46N/1214230.15W (11.59)

TERRAIN ACCURACY FOR DTED IN IAPA IS OFF BY MORE THAN 25 FEET, USED 1:100 MAP AND CONTOUR LINES TO DETERMINE THE CORRECT HEIGHT OF TERRAIN WITH DTED OFF FOR FINAL, CIRCLING, VISI AND VAAR.

INTERMEDIATE SEGMENT SET TO AN OFFSET OF 15 DEGREES TO ELIMINATE THE NEED FOR A IF STEPDOWN AND FOR THE FUTURE DEVELOPMENT OF AN LPV.

VGSI DATA: 4.00/39.9

TAA NOT DEVELOPED PER FPT CHECKIST

LPV AND LNAV/VNAV NOT DEVELOPED DUE TO LACK OF SURVEY

RASS PRESSURE PATTERNS SAME
KO88 22.50, KCCR 25.5
RA = 48.06

20 FEET VEGETATION USED PER FPT

RNP FORMULA APPLIED PER .54A TO ESTABLISHED FAF UTILIZING 3.00/40

FPT NOTIFIED OF LOWER MINIMUMS FOR LP AND LNAV STRAIGHT-IN, CIRCLING CANNOT BE LOWERED PER OE TEAM EVALUATION.

MAGVAR HAS BEEN CHECKED PER AVNIS

XP: RAISED TO ORIG MINS PER OE EVALUATION

25 DEGREE BANK USED IN MISSED APPROACH

QUALI
2

RADIO FIX AND HOLDING DATA RECORD

NAME: GIFME **STATE:** CA **COUNTRY:** US

LATITUDE/LONGITUDE: 381202.39N/1213511.42W **TYPE:** WP

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

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

REMARKS:
8260.54A FORMULA 1-16B APPLIED

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	RNAV (GPS) RWY 25			KO88	RIO VISTA	CA (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 4 **DATE OF REVISION:** 01/10/2013

REASON FOR REVISION:
UPDATED PFAF FIX LOCATION PER .54A
FIX MOVED WEST 5.68FT.

DEVELOPED BY: **DATE:** 11/01/2011 **OFFICE:** AJV-354 **NAME:** ADOLFO URRUTIA (BRYAN BLUE)

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

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: WST
ARTCC: ZOA
ATC FACILITY: NORCAL APP CON
OTHER: SUU APP CON

QUALITY 2 CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: JIRAG **STATE:** CA **COUNTRY:** US

LATITUDE/LONGITUDE: 382134.22N/1213716.87W **TYPE:** WP

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

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

PATTERNS:

PAT	DIR	IDENT	TYPE	RAD/CRS/BRG	CRS INBOUND	TURN (L OR R)	LEG LENGTH TIME	LEG LENGTH DME	HOLDING ALTITUDES MIN	HOLDING ALTITUDES MAX	TEMPLATES MIN	TEMPLATES MAX
1	S		WP	195.00	015.00	R		4	3100	6000	5	13

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	TOWER (06-001884)	381618.00N/1213022.00W	2030	5C
1	310	TOWER (06-001883)	381424.00N/1213007.00W	2049	3D

HOLDING RESTRICTIONS:
HOLDING LIMITED TO ESTABLISHED PATTERN

PROCEDURES REQUIRING CLIMB-IN-HOLD:

PAT	PROCEDURE TITLE	AIRPORT IDENT	CITY	STATE
1	RNAV (GPS) RWY 25	KO88	RIO VISTA	CA (US)

REMARKS:
PRECIPITOUS TERRAIN EVALUATION COMPLETED
HOLDING OBS #1 200 AIRSPEED IS LOCATED 1.88NM INSIDE SECONDARY AREA.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	RNAV (GPS) RWY 25		1	KO88	RIO VISTA	CA (US)
IAP	RNAV (GPS) RWY 2			KSAC	SACRAMENTO	CA (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

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

REASON FOR REVISION:
UPDATED FIX USE
REMOVED FAC 1
ADDED REMARKS NOTE PRECIPITOUS TERRAIN EVALUATION COMPLETED
ADDED REMARKS NOTE HOLDING OBS #1 200 AIRSPEED IS LOCATED 1.88NM INSIDE SECONDARY AREA
ADDED TO RESTRICTION NOTE HOLDING LIMITED TO ESTABLISHED PATTERN
ADDED HOLDING PAT 1 AND C-I-H

DEVELOPED BY: **DATE:** 01/03/2012 **OFFICE:** AJV-354 **NAME:** ADOLFO URRUTIA (BRYAN BLUE)

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

SIGNATURE:

DISTRIBUTION: **NFDC**
FPO: WST
ARTCC: ZOA
ATC FACILITY: NORCAL APP CON
OTHER:

QUALITY 2 CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: WAGER **STATE:** CA **COUNTRY:** US

LATITUDE/LONGITUDE: 381011.30N/1212248.10W **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	SACRAMENTO	SAC	VORTAC	H	136.67	153.67	18.31	18.31		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	E		WP	086.79	266.79	R		4	3200	17500	5	17

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	TOWER (06-001883)	381424.00N/1213007.00W	2049	3D

HOLDING RESTRICTIONS:
HOLDING LIMITED TO ESTABLISHED PATTERN

REMARKS:
SACRAMENTO (FAC 1) USED TO ESTABLISH FIX COORDINATES
PRECIPITOUS TERRAIN EVALUATION COMPLETE.
HOLDING PAT 1 200 AIRSPEED OBSTACLE IS LOCATED 1.95NM INSIDE SECONDARY AREA WITH A PRIMARY EQUIVALENT OF 1062 FEET

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
EN ROUTE	V585	1				CA (US)
IAP	RNAV (GPS) RWY 25		1	KO88	RIO VISTA	CA (US)

REQUIRED CHARTING: IAP, CONTROLLER, EN ROUTE LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 3 **DATE OF REVISION:** 05/31/2012

REASON FOR REVISION:
UPDATED FIX USE
FIX MOVED 2.75NM SOUTHEAST, NAME RETAINED PER ATC OPERATIONAL REQUIREMENT.
UPDATED FAC 1 DISTANCE FROM FAC AND DME FROM 15.55 TO 18.31
UPDATED PAT 1 HOLDING MINIMUM ALTITUDE FROM 3100 TO 3200
PAT 1 HOLDING INBOUND COURSE CHANGED FROM 071.90 AND 251.90 TO 086.79 AND 266.79

DEVELOPED BY: **DATE:** 11/04/2011 **OFFICE:** AJV-354 **NAME:** ADOLFO URRUTIA (BRYAN BLUE)

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

SIGNATURE:

DISTRIBUTION: **NFDC**
FPO: WST
ARTCC: ZOA
ATC FACILITY: NORCAL APP CON
OTHER: SUU APP CON

QUALITY 2 CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: YOLUS **STATE:** CA **COUNTRY:** US

LATITUDE/LONGITUDE: 381146.22N/1213948.09W **TYPE:** WP

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

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	RNAV (GPS) RWY 25			KO88	RIO VISTA	CA (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG **DATE OF REVISION:** 01/10/2013

DEVELOPED BY: **DATE:** 11/02/2011 **OFFICE:** AJV-354 **NAME:** DEZ SILAGYI (BRYAN BLUE)

APPROVED BY: **DATE:** **OFFICE:** AJV-354 **NAME:** ADOLFO URRUTIA

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: WST
ARTCC: ZOA
ATC FACILITY: NORCAL APP CON
OTHER: SUU APP CON

QUALITY 2 CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: WUTOB **STATE:** CA **COUNTRY:** US

LATITUDE/LONGITUDE: 381107.77N/1215033.15W **TYPE:** WP

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

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	RNAV (GPS) RWY 25			KO88	RIO VISTA	CA (US)

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG **DATE OF REVISION:** 05/05/2011

DEVELOPED BY: **DATE:** 01/10/2012 **OFFICE:** AJV-354 **NAME:** ADOLFO URRUTIA (BRYAN BLUE)

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

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: WST
ARTCC: ZOA
ATC FACILITY: NORCAL APPROACH CONTROL
OTHER:

QUALITY CHECKED

TERMINAL AIRSPACE DATA REQUIREMENTS

CITY: **RIO VISTA** STATE: **CA**

AIRPORT NAME: **RIO VISTA MUNI** ID: **KO88**

PROCEDURE: **RNAV (GPS) RWY 25** AMDT: **3**

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 **2.81**
   (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 **265.79**
4. High Terrain in **FINAL** segment containing 1000' point **29**
5. Distance from **THLD** to 1500' point **4.74**
   (If 1500' point in PT maneuvering area or holding pattern note in remarks)
6. Width of **FINAL** segment at 1500' point **1.76**
7. True Course of **FINAL** segment containing 1500' point **265.79**
8. High Terrain in **FINAL** segment containing 1500' point **29**
9. Threshold Coordinates (if straight-in) ... **381139.51N** / **1214141.94W**
10. ARP Coordinates ..... **381136.20N** / **1214213.10W**
11. Runway Approach End and distance furthest from ARP.....RWY **25**
    Distance **.41** NM
12. FAF Coordinates ..... **381202.39N** / **1213511.42W**
    (Click to Select)

REMARKS: Approach/Drawing attached.

RADIO FIX AND HOLDING DATA RECORD

CANCELLED

NAME: WIMUP **STATE:** CA **COUNTRY:** US

LATITUDE/LONGITUDE: 381215.14N/1213131.00W **TYPE:** WP

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

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	RNAV (GPS) RWY 25			KO88	RIO VISTA	CA (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG **DATE OF REVISION:** 05/05/2011

DEVELOPED BY: **DATE:** 09/29/2010 **OFFICE:** AVN-130 **NAME:** TOBY HUFF (VINNY WILLIS)

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

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: WST
ARTCC: ZOA
ATC FACILITY: NORCAL APPROACH CONTROL
OTHER:

CANCELLED QUALITY 2 CHECKED