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
CEC VORTAC	CIGCA (FO)	176.59 / 10.36	2400
OLJEK (IAF)	CIGCA (NOPT) (FB)	327.99 / 8.47	2400
CIGCA (IF/IAF)	KAWIS (FB)	357.16 / 5.32	1600
KAWIS (FAF)	RW35 (MAP) (FO)	357.17 / 4.68	
RW35 (MAP)	1300 MSL	357.17	1300
1300 MSL	CIGCA (FO)		2400

MISSED APPROACH

LPV: DA
LNAV/VNAV: DA
LNAV: RW35

CLIMB TO 1300 THEN CLIMBING LEFT TURN TO 2400 DIRECT CIGCA AND HOLD.

ADDITIONAL FLIGHT DATA:
CHART FAS OBST: 238 GROUND 414540N/1241502W
CHART W-93 SOUTH.
DISTANCE TO THLD FROM 250 HATH: 0.60 NM.
WAAS CHANNEL # 72927
REFERENCE PATH ID: W35A
LTP HAE: -13.3 M

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. HOLD SE CIGCA, RT, 327.99 INBOUND, 2400 FT. IN LIEU OF PT (IAF)
3. FAC: 357.17 FAF: KAWIS DIST FAF TO MAP: 4.68 THLD: 4.68
4. MIN. ALT: CIGCA 2400, KAWIS 1600
5. DIST TO THLD FROM OM: ____ MM: ____ IM: ____ 150 HAT: ____ 100 HAT: ____ GS ANT: ____
6. MIN GS INCPT: 1600 GS ALT AT: KAWIS 1600 OM: ____ MM: ____ IM: ____
7. GS ANGLE: 3.00 TCH: 57.6 34:1 IS NOT CLEAR
8. MSA FROM: RW35 8600

MAG VAR: 16E EPOCH YEAR: 2010

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	301	1	250	301	1	250	301	1	250	301	1	250			
LNAV/VNAV DA	404	1 1/8	353	404	1 1/8	353	404	1 1/8	353	404	1 1/8	353			
LNAV MDA	500	1	449	500	1	449	500	1 3/8	449	500	1 3/8	449			
CIRCLING	540	1	479	540	1	479	540	1 1/2	479	640	2	579			

NOTES:
CHART NOTE: CIRCLING TO RWY 17 NA AT NIGHT.
CHART NOTE: WHEN VGSI INOP, CIRCLING RWY 29 NA AT NIGHT.
CHART NOTE: BARO-VNAV NA WHEN USING BROOKINGS ALTIMETER SETTING.
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -15C (5F) OR ABOVE 43C (109F).
(SEE FORM 8260-10)

@ NA WHEN LOCAL WEATHER NOT AVAILABLE.

QUALITY CHECKED

CITY AND STATE	ELEVATION: 61 THRE: 51	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
CRESCENT CITY, CA	AIRPORT NAME: JACK MC NAMARA FIELD	RNAV	RNAV (GPS) RWY 35, ORIG	AMDT: NONE
				DATED

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

COORDINATED WITH:

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

FLIGHT CHECKED BY		
NAME:	FIFO	DATE:
DEVELOPED BY		
NAME: **ADOLFO URRUTIA (KYLE THOMPSON)**	FIFO **AJV-354**	DATE: **09/28/2011**
APPROVED BY		
NAME: **DEZ SILAGYI** **MANAGER**	FIFO **AJV-354**	DATE:

CHANGES:

THIS REPLACES GPS RWY 35.

REASONS:

QUALITY A CHECKED

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NOTES, (CONT.):
CHART NOTE: WHEN VGSI INOP, STRAIGHT-IN/CIRCLING RWY 35 PROCEDURE NA AT NIGHT.
CHART NOTE: DME/DME RNP-0.3 NA.
CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA.
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE BROOKINGS ALTIMETER SETTING AND INCREASE ALL DA 97 FT AND ALL MDA 100 FT; INCREASE LPV ALL CATS AND CIRC CAT C VISIBILITIES 1/8 MILE, LNAV-VNAV ALL CATS VISIBILITY 3/8 MILE, AND LNAV CATS C/D AND CIRC CAT D VISIBILITIES 1/4 MILE.

QUALITY 2 CHECKED

CITY AND STATE	ELEVATION: 61 THRE: 51	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
CRESCENT CITY, CA	AIRPORT NAME: **JACK MC NAMARA FIELD**	**RNAV**	**RNAV (GPS) RWY 35, ORIG**	AMDT: **NONE**
				DATED:

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

COORDINATED WITH:

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

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

CHANGES:

REASONS:

QUALITY 2 CHECKED

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FAS DATA BLOCK INFORMATION

DATA FIELD	DATA
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KCEC
RUNWAY	RW35
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W35A
LTP/FTP LATITUDE	414624.0860N
LTP/FTP LONGITUDE	1241425.0645W
LTP/FTP ELLIPSOIDAL HEIGHT	-00133
FPAP LATITUDE	414750.8800N
FPAP LONGITUDE	1241357.8800W
THRESHOLD CROSSING HEIGHT (TCH)	00057.6
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1224
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0
CRC REMAINDER	41799DAF

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K2
LTP ORTHOMETRIC HEIGHT	+00155
FPAP ORTHOMETRIC HEIGHT	+00155

QUALITY 2 CHECKED

CITY AND STATE	ELEVATION: 61 THRE: 51	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
CRESCENT CITY, CA	AIRPORT NAME: JACK MC NAMARA FIELD	RNAV	RNAV (GPS) RWY 35, ORIG	AMDT: NONE
				DATED:

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

COORDINATED WITH:

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

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

CHANGES:

REASONS:

QUALITY 2 CHECKED

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ARINC PACKET - 424-18 - RNAV (GPS)

```
                 1         2         3         4         5         6         7         8         9         0         1         2         3
NAVAID  123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAD        CEC   K2010900VTLW N41464648W124142704    N41464858W124142632E0190000501     NARCRESCENT CITY

                 1         2         3         4         5         6         7         8         9         0         1         2         3
WP      123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAEAENRT   CIGCA K20    W     N41363960W124172758                      E0154     NAR           CIGCA
        SUSAEAENRT   KAWIS K20    W     N41415031W124155067                      E0154     NAR           KAWIS
        SUSAEAENRT   OLJEK K20    C   L N41283066W124142068                      E0153     NAR           OLJEK

                 1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KCECK2ACEC     0     050YHN41464860W124141150E016000061         1800018000C    MNAR    JACK MC NAMARA FIELD

                 1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KCECK2FR35   ACEC   010CEC  K2D 0V       IF                                          18000                A JS
        SUSAP KCECK2FR35   ACEC   020CIGCAK2EA0EY   020TF                    17660104    + 02400                         A JS
        SUSAP KCECK2FR35   ACEC   030CIGCAK2EA0EE AR   HF                    32800040    + 02400                         A JS
        SUSAP KCECK2FR35   AOLJEK 010OLJEKK2EA0E  A    IF                                          18000                A JS
        SUSAP KCECK2FR35   AOLJEK 020CIGCAK2EA0EE B 010TF                    32800085    + 02400                         A JS
        SUSAP KCECK2FR35   R      010CIGCAK2EA0E  I    IF                                + 02400   18000                A JS
        SUSAP KCECK2FR35   R      020KAWISK2EA1E  F 051TF                    35720053    + 01600               RW35  K2PGA JS
        SUSAP KCECK2FR35   R      020KAWISK2EA2WALPV       ALNAV/VNAV ALNAV                                              JS
        SUSAP KCECK2FR35   R      030RW35 K2PG0GY M 031TF                    35720047      00108            -300         A JS
        SUSAP KCECK2FR35   R      040         0  M     CA                    3572        + 01300                         A JS
        SUSAP KCECK2FR35   R      050CIGCAK2EA0EY  L   DF                                + 02400                         A JS
        SUSAP KCECK2FR35   R      060CIGCAK2EA0EE  R   HM                    32800040    + 02400                         A JS

                 1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY  123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KCECK2GRW35    0050023572 N41462409W124142506+0200    -0013300051000058150R
```

QUALITY 4 CHECKED

CITY AND STATE	ELEVATION: 61 THRE: 51	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
CRESCENT CITY, CA	AIRPORT NAME: JACK MC NAMARA FIELD	RNAV	RNAV (GPS) RWY 35, ORIG	AMDT: NONE
				DATED:

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

COORDINATED WITH:

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

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

CHANGES:

REASONS:

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```
                1         2         3         4         5         6         7         8         9         0         1         2         3
PP      123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KCECK2PR35   RW35 001 0000W35A0N4146240860W12414250645-001330300N4147508800W124135788001067512240005 76F40050041799DAF
        SUSAP KCECK2PR35   RW35 002E      +00155+00155LPV       72927
```

```
                1         2         3         4         5         6         7         8         9         0         1         2         3
MSA     123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KCECK2SRW35 K2PG                0   18018008625                                                                        M
```

QUALITY A CHECKED

CITY AND STATE	ELEVATION: 61 THRE: 51	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
CRESCENT CITY, CA	AIRPORT NAME: JACK MC NAMARA FIELD	RNAV	RNAV (GPS) RWY 35, ORIG	AMDT: NONE
				DATED:

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

COORDINATED WITH:

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

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

CHANGES:

REASONS:

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

RNAV 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
	CEC	CEC	010		IF						
	CEC	CIGCA	020		TF		FO	2.0	176.6(192.6T)	010.4	02400
	CEC	CIGCA	030	IAF	HF	R	FO		328.0(344.0T)	004.0	02400
	OLJEK	OLJEK	010	IAF	IF						
	OLJEK	CIGCA	020	IF	TF		FB	1.0	328.0(344.0T)	008.5	02400
		CIGCA	010	FACF	IF						02400
		KAWIS	020	FAF	TF		FB	0.5	357.2(013.2T)	005.3	01600
		RW35	030	MAP	TF		FO	0.3	357.2(013.2T)	004.7	00108

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE
		040		CA				357.2(013.2T)		01300
	CIGCA	050		DF	L	FO				02400
	CIGCA	060		HM	R	FO		328.0(344.0T)	004.0	02400

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	CEC	N414646.48	W1241427.04	N4146.775	W12414.451
	CIGCA	N413639.60	W1241727.58	N4136.660	W12417.460
	KAWIS	N414150.31	W1241550.67	N4141.839	W12415.845
	OLJEK	N412830.66	W1241420.68	N4128.511	W12414.345
	RW35	N414624.09	W1241425.06	N4146.402	W12414.418

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW35	00051	58

QUALITY CHECKED

CITY AND STATE	ELEVATION: 61 THRE: 51	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
CRESCENT CITY, CA	AIRPORT NAME: JACK MC NAMARA FIELD	RNAV	RNAV (GPS) RWY 35, ORIG	AMDT: NONE
				DATED:

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

COORDINATED WITH:

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

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

CHANGES:

REASONS:

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	CEC VORTAC	CIGCA	1. GROUND (KCEC0007)	414539.99N/1241502.22W	238 (1B)	2000	AT162	2400
			2. TERRAIN	414539.99N/1241502.22W	238 (200)		AS1500	1700
INITIAL	OLJEK	CIGCA	3. SHIP	413602.00N/1241851.00W	208 (6C)	1000	AT1192	2400
			4. WATER	413238.00N/1241322.00W	0 (0)		AS1500	1500
INTERMEDIATE	CIGCA (IF/IAF)	KAWIS	5. SHIP	414000.00N/1241600.00W	208 (6C)	500	AT892	1600
			6. WATER	414000.00N/1241600.00W	0 (0)		AS1500	1500
FINAL: LPV	KAWIS	RW35	7. RD (N) (KCECT0192)	414620.47N/1241425.38W	60 (2C)	34:1	AC20	301/250
FINAL: LNAV/VNAV	KAWIS	RW35	1. GROUND (KCEC0007)	414539.99N/1241502.22W	238 (1B)	23.43:1	AC5	404/353
FINAL: LNAV	KAWIS	RW35	1. GROUND (KCEC0007)	414539.99N/1241502.22W	238 (1B)	250		500
2. HOLD-IN-LIEU-OF-PT	CIGCA	P-5	5. SHIP	414000.00N/1241600.00W	208 (6C)	1000	AT1192	2400
			6. WATER	414000.00N/1241600.00W	0 (0)		AS1500	1500
3. MISSED APPROACH — MAP:	DA / DA / RW35	CIGCA				ASC		2400
			8. RADIO TOWER	414534.03N/1241131.83W	326 (2A)	1000		1400
ELEV:	109/243/400		2. TERRAIN	414539.99N/1241502.22W	238 (200)		AS1500	1700

4. CIRCLING AREA	DISTANCE	HT. ABV. ARPT. REQUIRED	HT. ABV. ARPT. ACTUAL		OBSTRUCTION	COORDINATES	ELEV. MSL	ROC	ALT. ADJUSTMENTS	MIN. ALT.
CATEGORY A	1.3 NM	350	479		1. GROUND (KCEC0007)	414539.99N/1241502.22W	238 (1B)	300		540
CATEGORY B	1.5 NM	450	479		1. GROUND (KCEC0007)	414539.99N/1241502.22W	238 (1B)	300		540
CATEGORY C	1.7 NM	450	479		1. GROUND (KCEC0007)	414539.99N/1241502.22W	238 (1B)	300		540
CATEGORY D	2.3 NM	550	579		8. RADIO TOWER	414534.03N/1241131.83W	326 (2A)	300		640
CATEGORY E	4.5 NM	550								

5. MINIMUM SAFE ALTITUDES — PRIMARY NAVAID: RW35

SECTOR	OBSTRUCTION	BRG/DIST	ELEVATION (MSL)	M S A	SECTOR	OBSTRUCTION	BRG/DIST	ELEVATION (MSL)	M S A
360-360	AAO	063/ 28.5	7509 (6C)	8600					

CITY AND STATE	ELEVATION: 61 / AIRPORT NAME:	FACILITY	PROCEDURE AND AMENDMENT NO:	REGION
CRESCENT CITY, CA	JACK MC NAMARA FIELD	RNAV	RNAV (GPS) RWY 35, ORIG	AWP

QUALITY CHECKED 2

FAA Form 8260 - 9 / April 2006 (Computer Generated)

PART B - SUPPLEMENTAL DATA

1. COMMUNICATIONS WITH:	2. WEATHER SERVICE			3. ALTIMETER SETTING
ZSE ARTCC OAK FSS		N W S	OTHER: ASOS	SOURCE: KCEC / KBOK
		F A A		DISTANCE: 0 / 17.82
SATISFACTORY ON:		A / C		HOURS REMOTE OPERATION:
X V H F X U H F H F	LOCATION:			ADJUSTMENT: 0 / 97

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

5. APPROACH & RUNWAY LIGHTING	
	ALS
	(S) SALS
X	MALSR 11 (PCL)
X	HIRL 11 (PCL), 29 (PCL)
X	MIRL 17 (PCL), 35 (PCL)
X	REIL 17 (PCL), 29 (PCL), 35 (PCL)
	TDZ
	C/LINE
X	OTHER (SPECIFY) VASI-4L 29, 35

6. RUNWAY MARKINGS	BASIC	
	ALL WEATHER	PIR-G 11, 29
	INSTRUMENT	NPI-G 17, 35
7. RUNWAY VISUAL RANGE	APPROACH	
	MIDFIELD	
	ROLL OUT	
8. GLIDE PATH	GP ANGLE: 3.00	ELEV RWY THRESHOLD: 50.7
	DISTANCE FROM RWY:	ELEV GP ANTENNA:
		THRESHOLD CROSSING HEIGHT: 57.6

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 (KYLE THOMPSON)	DATE: 09/28/2011
TITLE: AERONAUTICAL INFORMATION SPECIALIST	OFFICE: AJV-354

PART C - REMARKS:

VDP NOT ESTABLISHED - VISUAL SURFACE PENETRATIONS.

PARA 251, 20:1 PENETRATION.

PARA 251, 34:1 PENETRATION.

PRECIPITOUS TERRAIN EVALUATION COMPLETED.

RASS PRESSURE PATTERNS SAME
KCEC 60.9, KBOK 459
RA = 96.73.
SEE ATTACHED AIRSPACE LETTER.

KCEC AND KBOK ON SERVICE A.

TAA NOT DEVELOPED PER FPT/AT REQUEST.

LPV SLOPE: 34:1
VNAV SLOPE: 23.428:1

FIVE YEAR HISTORY NOT AVAILABLE, AVERAGE COLD TEMPERATURE BASED ON STANDARD -30C ISA DEVIATION.

38' SHIP HEIGHT USED IN FINAL, CIRCLING AND MA W/IN 5NM

PER FPT/AMGR.
208' SHIP HEIGHT USED IN ALL OTHER SEGMENTS PER PREVIOUS REVISION.
75' VEGETATION USED W/IN 5NM PER FPT/AMGR.
34:1 PENETRATIONS:
KCEC0018 ROAD (N) 414620.66N-1241426.01W 56.00 (0.76)
20:1 PENETRATIONS
R17 KCEC0070 BUSH 414714.33N-1241407.58W 68 (4.72)
R17 KCEC0073 BUSH 414714.47N-1241409.98W 68 (6.10)
R17 KCECT0086 TREE 414716.03N-1241405.89W 75 (1.88)
R17 KCECT0091 TREE 414721.93N-1241409.42W 107 (7.87)
R17 KCECT0094 TREE 414723.15N-1241409.67W 135 (30.08)
R17 KCECT0095 TREE 414723.48N-1241407.64W 136 (27.7)
R17 KCECT0103 TREE 414725.64N-1241407.27W 147 (27.74)
R17 KCECT0121 TREE 414733.36N-1241409.17W 172 (16.36)
R17 KCECT0123 TREE 414732.22N-1241408.41W 156 (5.32)
R17 KCECT0125 TREE 414734.47N-1241408.75W 172 10.53)
R17 KCECT0144 TREE 414738.71N-1241354.04W 206 (10.93)
R17 KCECT0184 TREE 414733.46N-1241407.38W 171 (13.32)
R29 KCEC0038 TREE 414623.47N-1241324.49W 136 (16.13)
R29 KCEC0047 TREE 414619.71N-1241326.05W 136 (7.41)
R29 KCECT0030 TREE 414612.95N-1241321.51W 165 (0.47)
R29 KCECT0031 TREE 414612.00N-1241321.14W 169 (0.16)
R29 KCECT0035 TREE 414620.34N-1241327.77W 149 (27.34)
R29 KCECT0036 TREE 414618.69N-1241326.37W 134 (2.77)
R29 KCECT0037 TREE 414620.27N-1241325.21W 161 (32.03)
R29 KCECT0048 TREE 414622.06N-1241319.15W 152 (12.5)
R29 KCECT0049 TREE 414623.11N-1241321.92W 135 (6.79)
R29 KCECT0052 TREE 414623.29N-1241325.50W 128 (10.29)
R29 KCECT0053 TREE 414623.44N-1241324.96W 134 (15.32)
R29 KCECT0054 TREE 414622.87N-1241324.17W 148 (25.17)
R29 KCECT0055 TREE 414624.45N-1241325.76W 135 (22.03)
R29 KCECT0056 TREE 414624.91N-1241324.25W 126 (10.45)
R29 KCECT0058 TREE 414625.59N-1241327.87W 120 (16.8)
R35 KCEC0068 BUSH 414621.65N-1241427.86W 56 (0.86)
R35 KCECT0191 BLDG 414621.78N-1241428.33W 56 (1.10)
R35 KCECT0192 RD (N) 414620.47N-1241425.38W 60 (1.19)

QUALITY 2 CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: CIGCA **STATE:** CA **COUNTRY:** US

LATITUDE/LONGITUDE: 413639.60N/1241727.58W **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	SE		WP	147.99	327.99	R		4	2400	6000	5	6

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	SHIP	423238.00N/1241322.00W	208	6C

HOLDING RESTRICTIONS:
HOLDING LIMITED TO ESTABLISHED PATTERN.

REMARKS:
PRECIPITOUS TERRAIN EVALUATION COMPLETED

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	RNAV (GPS) RWY 35		1	KCEC	CRESCENT CITY	CA (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

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

REASON FOR REVISION:
MOVED FIX 4.12 FT NE; UPDATED COORDINATES.
REMOVED FAC 1.
CHANGED PAT 1 INBOUND COURSE TO AVOID SUA.
REMOVED TIME LEG LENGTH.
UPDATED PAT 1 MAX TEMPLATE TO 6.
UPDATED PAT 1 OBSTACLE.
UPDATED FIX USE.
MOVED REMARK: HOLDING LIMITED TO ESTABLISHED PATTERNS, TO HOLDING RESTRICTIONS.
ADDED REMARK: PRECIPITOUS TERRAIN EVALUATION COMPLETED.

DEVELOPED BY: **DATE:** 09/28/2011 **OFFICE:** AJV-354 **NAME:** ADOLFO URRUTIA (KYLE THOMPSON)

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

SIGNATURE:

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

QUALITY 4 CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: CRESCENT CITY VORTAC **STATE:** CA **COUNTRY:** US

LATITUDE/LONGITUDE: 414646.48N/1241427.04W **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	CRESCENT CITY	CEC	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	S	CEC	VORTAC	160.75	340.75	L	1-1 1/2		3000	17500	4	16

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	AAO	414028.60N/1240750.50W	1419	2C

REASON FOR NONSTANDARD HOLDING:
PAT 1 TERRAIN

HOLDING RESTRICTIONS:
HOLDING LIMITED TO ESTABLISHED PATTERNS.

REMARKS:
PRECIPITOUS TERRAIN EVALUATION COMPLETED.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	HOCUT			KACV	ARCATA/EUREKA	CA (US)
DP	TAKE-OFF MINIMUMS			KCEC	CRESCENT CITY	CA (US)
EN ROUTE	V-122					(US)
EN ROUTE	V-27					(US)
EN ROUTE	V-494					(US)
IAP	ILS OR LOC/DME RWY 11		1	KCEC	CRESCENT CITY	CA (US)
IAP	RNAV (GPS) RWY 11			KCEC	CRESCENT CITY	CA (US)
IAP	RNAV (GPS) RWY 35			KCEC	CRESCENT CITY	CA (US)
IAP	VOR RWY 11		1	KCEC	CRESCENT CITY	CA (US)
IAP	VOR/DME RWY 11		1	KCEC	CRESCENT CITY	CA (US)
IAP	VOR/DME RWY 35		1	KCEC	CRESCENT CITY	CA (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 11 **DATE OF REVISION:** 02/09/2012

REASON FOR REVISION:
- MOVED REMARK: HOLDING LIMITED TO ESTABLISHED PATTERNS, TO HOLDING RESTRICTIONS.
- ADDED REMARK: PRECIPITOUS TERRAIN EVALUATION COMPLETED.
- CORRECTED PATTERN NUMBER FROM 2 TO 1.
- UPDATED PAT 1 HOLDING OBSTACLE.
- UPDATED FIX USE.
- UPDATED REQUIRED CHARTING.

DEVELOPED BY: **DATE:** 09/27/2011 **OFFICE:** AJV-354 **NAME:** ADOLFO URRUTIA (KYLE THOMPSON)

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

SIGNATURE:

DISTRIBUTION: **NFDC**
FPO: WST
ARTCC: ZSE
ATC FACILITY:
OTHER:

QUALITY 2 CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: KAWIS **STATE:** CA **COUNTRY:** US

LATITUDE/LONGITUDE: 414150.31N/1241550.67W **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) RWY 35			KCEC	CRESCENT CITY	CA (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

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

REASON FOR REVISION:
MOVED FIX 1922.25 FT NE; UPDATED COORDINATES.
DELETED FAC 1.
UPDATED FIX USE.

DEVELOPED BY: **DATE:** 09/27/2011 **OFFICE:** AJV-354 **NAME:** ADOLFO URRUTIA (KYLE THOMPSON)

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

SIGNATURE:

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

QUALITY 2 CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: OLJEK **STATE:** CA **COUNTRY:** US

LATITUDE/LONGITUDE: 412830.66N/1241420.68W **TYPE:** WP, DME

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

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	CRESCENT CITY	CEC	VORTAC	L	160.75	179.75	18.25	18.25		3000	17500

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
EN ROUTE	V27	1				(US)
IAP	RNAV (GPS) RWY 35			KCEC	CRESCENT CITY	CA (US)

REQUIRED CHARTING: IAP, CONTROLLER, EN ROUTE LOW

COMPULSORY REPORTING POINT: NO

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

DEVELOPED BY: **DATE:** 09/27/2011 **OFFICE:** AJV-354 **NAME:** ADOLFO URRUTIA (KYLE THOMPSON)

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

SIGNATURE:

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

QUALITY 2 CHECKED

TERMINAL AIRSPACE DATA REQUIREMENTS

CITY: **CRESCENT CITY** STATE: **CA**

AIRPORT NAME: **JACK MC NAMARA FIELD** ID: **KCEC**

PROCEDURE: **RNAV (GPS) RWY 35** AMDT: **ORIG**

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

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

1. Distance from **THLD** to 1000' point **3.43**
   (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 **013.17**
4. High Terrain in **FINAL** segment containing 1000' point **238**
5. Distance from **THLD** to 1500' point **4.68**
   (If 1500' point in PT maneuvering area or holding pattern note in remarks)
6. Width of **FINAL** segment at 1500' point **2.13**
7. True Course of **FINAL** segment containing 1500' point **013.17**
8. High Terrain in **FINAL** segment containing 1500' point **238**
9. Threshold Coordinates (if straight-in) ... **414624.09N** / **1241425.06W**
10. ARP Coordinates ..... **414648.60N** / **1241411.50W**
11. Runway Approach End and distance furthest from ARP.....RWY **29**
    Distance **.46** NM
12. FAF Coordinates ..... **414150.31N** / **1241550.67W**
    (Click to Select)

REMARKS: Approach/Drawing attached.