

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										MISSED APPROACH					
FROM		TO		COURSE AND DISTANCE				ALTITUDE		LPV: DA LNAV/VNAV: DA LNAV: RW24 CLIMB TO 2000 DIRECT IBUGE AND HOLD. ADDITIONAL FLIGHT DATA: HOLD SW, RT, 065.02 INBOUND. CHART FAS OBST: 899 TREE 330725N/1171330W 1300 AAO 330932N/1171028W DISTANCE TO THLD FROM 202 HAT: 0.44 NM. CHART VDP AT 1.82 NM TO RW24* *LNAV ONLY. WAAS CHANNEL # 78129 REFERENCE PATH ID: W24A CHART CIRCLING ICON LTP HAE: 65.1 M					
JLI VORTAC		DUNBY (FB)		235.33 / 14.00				7900							
TRM VORTAC		ZASOG (FB)		216.28 / 29.82				11000							
ZASOG (IAF)		URIJI (FB)		230.34 / 9.44				7900							
URIJI		GICEP (FB)		229.57 / 7.26				6100							
GICEP		KANEC (FB)		245.35 / 4.50				4300							
DUNBY (IAF)		KANEC (FB)		297.20 / 10.48				4300							
KANEC (IF)		JABAL (FB)		245.29 / 5.84				3100		(SEE FORM 8260-10)					
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF) 2. PROFILE STARTS AT KANEC 3. FAC: 245.23 FAF: JABAL DIST FAF TO MAP: 8.01 THLD: 8.01 4. MIN. ALT: KANEC 4300, JABAL 3100, GUGEC/4.90 NM TO RW24 2040*, ZUXAX/2.50 NM TO RW24 1220* 5. DIST TO THLD FROM OM: _____ MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____ 6. MIN GS INCPT: 3100 GS ALT AT: JABAL 3100 OM: _____ MM: _____ IM: _____ 7. GS ANGLE: 3.20 TCH: 53.9 34:1 IS NOT CLEAR 8. MSA FROM: RW24 7400										MAG VAR: 14E		EPOCH YEAR: 1980			
MINIMUMS															
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT								ALTERNATE: N A		STANDARD @					
CATEGORY =====>		A		B		C		D		E					
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LPV DA	528	4000	202	528	4000	202	576	4000	250		NA				
LNAV/VNAV DA	927	1 1/2	601	927	1 1/2	601	927	1 1/2	601		NA				
LNAV MDA	1000	4000	674	1000	4000	674	1000	1 1/2	674		NA				
CIRCLING	1000	1	669	1020	1	689	1260	2 3/4	929		NA				
NOTES: CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -4C (25F) OR ABOVE 54C (130F). @ CAT C 1000-2 3/4 CHART NOTE: DME/DME RNP-0.3 NA. CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL ON JLI VORTAC AIRWAY RADIALS 170 CW 263. CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL ON TRM VORTAC AIRWAY RADIALS 131 CW 304. (CONTINUED ON PAGE 2)															
CITY AND STATE		ELEVATION: 331 TDZE: 326		FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:				SUP:					
CARLSBAD, CA		AIRPORT NAME:		MC CLELLAN-PALOMAR		RNAV (GPS) Y RWY 24, AMDT 3C				AMDT: 3B					
						10 NOVEMBER 2016				DATED 10/16/2014					

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV - STANDARD
INSTRUMENT APPROACH PROCEDURE - TITLE 14 CFR PART 97.33

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TERMINAL ROUTES, (CONT.):

<u>FROM</u>	<u>TO</u>	<u>COURSE AND DISTANCE</u>	<u>ALTITUDE</u>
JABAL (FAF)	GUGEC/4.90 NM TO RW24 (FB)	245.23 / 3.11	
GUGEC/4.90 NM TO RW24	ZUXAX/2.50 NM TO RW24 (FB)	245.23 / 2.40	
ZUXAX/2.50 NM TO RW24	RW24 (MAP) (FO)	245.23 / 2.50	
RW24 (MAP)	528 MSL	245.23	
528 MSL	IBUGE (FO)		2000

NOTES, (CONT.):

CHART NOTE: RWY 24 HELICOPTER VISIBILITY REDUCTION BELOW RVR 4000 NOT AUTHORIZED.

CHART NOTE: FOR INOPERATIVE ALS, INCREASE LNAV/VNAV ALL CATS VISIBILITY TO 1 7/8 SM, INCREASE LNAV CATS A/B VISIBILITY TO RVR 5500 AND CAT C TO 1 7/8 SM.

CHART NOTE: INOPERATIVE TABLE DOES NOT APPLY TO LPV.

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CARLSBAD, CA

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 MC CLELLAN-PALOMAR

FACILITY
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 RNAV (GPS) Y RWY 24, AMDT 3C
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**RNAV STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICE - FAR PART 97.33**

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FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KCRQ
RUNWAY	RW24
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	Y
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W24A
LTP/FTP LATITUDE	330746.2870N
LTP/FTP LONGITUDE	1171619.9780W
LTP/FTP ELLIPSOIDAL HEIGHT	+00651
FPAP LATITUDE	330729.4600N
FPAP LONGITUDE	1171804.1700W
THRESHOLD CROSSING HEIGHT (TCH)	00053.9
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.20
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1256
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0
 <u>CRC REMAINDER</u>	 BD454DF6

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K2
LTP ORTHOMETRIC HEIGHT	+00995
FPAP ORTHOMETRIC HEIGHT	+00995

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U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE FLIGHT STANDARDS SERVICES - 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.		
ARINC SUMMARY - KCRQ														
ROUTES														
TRANSITION	WPT SEQ	WPT NAME	LEG TYPE	FB/FO	RNP	MAG CRS	REC NAV	ANGLE	TURN DIR	CENTER FIX	TURN RADIUS	ALTITUDE DESCRIPTION & VALUE	SPEED LIMIT DESCRIPTION & VALUE	WPT DESCRIPTION CODE
JLI	010	JLI	IF	FB										V
JLI	020	DUNBY	TF	FB	2.0	235.3						AA 07900		E A
JLI	030	KANEC	TF	FB	1.0	297.2						AA 04300		EE B
TRM	010	TRM	IF	FB										V
TRM	020	ZASOG	TF	FB	2.0	216.3						AA 11000		E A
TRM	030	URIJI	TF	FB	1.0	230.3						AA 07900		E
TRM	040	GICEP	TF	FB	1.0	229.6						AA 06100		E
TRM	050	KANEC	TF	FB	1.0	245.4						AA 04300		EE B
	010	KANEC	IF	FB								AA 04300		E I
	020	JABAL	TF	FB	1.0	245.3				RW24		AA 03100		E F
	021	GUGEC	TF	FB	0.3	245.2		3.20				AA 02040 GS 02045		E S
	022	ZUXAX	TF	FB	0.3	245.2		3.20				AA 01220 GS 01230		E S
	030	RW24	TF	FO	0.3	245.2		3.20				AT 00380		GY M
	040		CA	FB		245.2						AA 00528		M
	050	IBUGE	DF	FO								AA 02000		EY
	060	IBUGE	HM	FO		065.0			R			AA 02000		EE
POINTS														
POINT NAME			LATITUDE			LONGITUDE								
JLI			N330825.65			W1163509.37								
TRM			N333741.14			W1160936.71								
DUNBY			N330327.60			W1165044.48								
GICEP			N331112.16			W1165451.91								
GUGEC			N330841.65			W1171036.09								
IBUGE			N330542.98			W1172859.37								
JABAL			N330916.61			W1170658.09								
KANEC			N331022.04			W1170007.98								
URIJI			N331426.61			W1164707.17								
ZASOG			N331832.64			W1163658.71								
ZUXAX			N330814.56			W1171324.54								
RUNWAYS														
RUNWAY		THRESHOLD LATITUDE		THRESHOLD LONGITUDE		THRESHOLD ELEVATION		PROCEDURE TCH						

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RW24	N330746.29	W1171619.98	00326	53.9
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