

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: RW20R CLIMB TO 3000 DIRECT MINOE AND HOLD. ADDITIONAL FLIGHT DATA: HOLD S, RT, 015.97 INBOUND (DO NOT CHART). CHART FAS OBST: 315 BLDG 334048N/1175112W 371 AAO 334503N/1175003W DISTANCE TO THLD FROM 200 HAT: 0.51 NM. CHART VDP AT 1.49 NM TO RW20R* *LNAV ONLY. WAAS CHANNEL # 99502 REFERENCE PATH ID: W20A CHART CIRCLING ICON. CHART PLANVIEW NOTE: RADAR REQUIRED. LTP HAE: -22.3 M									
SAGER (IF)		HUKEM (TF) (FB) (RNP 1.00)		196.02 / 7.37				2900											
HUKEM (FAF)		LEMON/6.62 NM TO RW20R (TF) (FB) (RNP 0.30)		195.96 / 2.20															
LEMON/6.62 NM TO RW20R		VEGYU/4.20 NM TO RW20R (TF) (FB) (RNP 0.30)		195.96 / 2.42															
VEGYU/4.20 NM TO RW20R		RW20R (MAP) (TF) (FO) (RNP 0.30)		195.96 / 4.20															
RW20R (MAP)		255 MSL (CA)		195.96				3000											
255 MSL		MINOE (DF) (FO) (RNP 1.00)																	
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF) 2. PROFILE STARTS AT SAGER 3. FAC: 195.96 FAF: HUKEM DIST FAF TO MAP: 8.82 THLD: 8.82 4. MIN. ALT: SAGER 3500, HUKEM 2900, LEMON/6.62 NM TO RW20R 2200*, VEGYU/4.20 NM TO RW20R 1420* 5. DIST TO THLD FROM OM: _____ MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____ 6. MIN GS INCPT: 2900 GS ALT AT: HUKEM 2900 OM: _____ MM: _____ IM: _____ 7. GS ANGLE: 3.00 TCH: 50.9 34:1 IS CLEAR 8. MSA FROM: RW20R 7000																MAG VAR: 12E		EPOCH YEAR: 2015	
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**	255	2400	200	255	2400	200	255	2400	200	255	2400	200							
LNAV/VNAV DA	516	6000	461	516	6000	461	516	6000	461	516	6000	461							
LNAV MDA	580	2400	525	580	2400	525	580	5500	525	580	5500	525							
CIRCLING	640	1	584	640	1	584	840	2 1/4	784	1160	3	1104							
NOTES: CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW 5C (41F) OR ABOVE 54C (130F). @ CAT C 800-2 1/4, CAT D 1200-3 CHART NOTE: DME/DME RNP-0.3 NA. CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}). CHART NOTE: **RVR 1800 AUTHORIZED WITH USE OF FD OR AP OR HUD TO DA.																			
CITY AND STATE		ELEVATION: 56 TDZE: 55		FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:				SUP:									
SANTA ANA, CA		AIRPORT NAME:		JOHN WAYNE AIRPORT-ORANGE COUNTY		RNAV (GPS) Y RWY 20R, AMDT 3				AMDT: 2									
						7 DECEMBER 2017				DATED 09/18/2014									



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.

QUALITY
18
CHECKED

CITY AND STATE
SANTA ANA, CA

ELEVATION: 56 **TDZE: 55**
AIRPORT NAME:
JOHN WAYNE AIRPORT-ORANGE COUNTY

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
RNAV (GPS) Y RWY 20R, AMDT 3
7 DECEMBER 2017

SUP:
AMDT: **2**
DATED: **09/18/2014**

**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 airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KSNA
RUNWAY	RW20R
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	Y
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W20A
LTP/FTP LATITUDE	334053.9265N
LTP/FTP LONGITUDE	1175154.2125W
LTP/FTP ELLIPSOIDAL HEIGHT	-00223
FPAP LATITUDE	333935.0505N
FPAP LONGITUDE	1175244.1945W
THRESHOLD CROSSING HEIGHT (TCH)	00050.9
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1016
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	35.0
 <u>CRC REMAINDER</u>	 4891CF32

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K2
LTP ORTHOMETRIC HEIGHT	+00126
FPAP ORTHOMETRIC HEIGHT	+00126

QUALITY
18
CHECKED

CITY AND STATE SANTA ANA, CA	ELEVATION: 56 AIRPORT NAME: JOHN WAYNE AIRPORT-ORANGE COUNTY	TDZE: 55 RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) Y RWY 20R, AMDT 3 7 DECEMBER 2017	SUP:
				AMDT: 2
				DATED: 09/18/2014