

U.S. Department of Transportation  
Federal Aviation Administration

**RNAV - STANDARD  
INSTRUMENT APPROACH PROCEDURE  
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.

TERMINAL ROUTES				MISSED APPROACH			
FROM	T O	COURSE AND DISTANCE	ALTITUDE				
EED VORTAC	HAVOX WP (TF) (FB)	117.93/4.67	3800	<b>MAP: ADUXE WP</b>  <b>CLIMBING RIGHT TURN TO 6000 DIRECT EED VORTAC AND HOLD.</b>  <b>ADDITIONAL FLIGHT DATA:</b> HOLD E, RT, 256.64 INBOUND. FAS OBST: 1048 TREE 344449/1143651 CHART: 1310 TREE 344219/1143034 FINAL SEGMENT (TF) CHART VDP AT .64 NM TO ADUXE WP. TOPIE WP TO RW29: 3.20/45			
MEMPE WP (IAF)	HAVOX WP (NoPT) (TF) (FB)	244.18/12.80	3800				
HAVOX WP (IF/IAF)	TOPIE WP (TF) (FB)	270.23/5.00	3000				
ADUXE WP (MAP)	EED VORTAC (DF) (FO)		6000				

  

1. PT <u>NA</u> SIDE OF COURSE <u>OUTBOUND</u> FT WITHIN <u>        </u> MILES OF <u>        </u> (IAF)	
2. <u>HOLD E</u> <u>HAVOX WP, RT, 257.00 INBOUND, 3800 FT. IN LIEU OF PT (IAF)</u>	
3. FAC: <u>270.18</u> FAF: <u>TOPIE WP</u> DIST FAF TO MAP: <u>        </u> THLD: <u>6.00</u>	
4. MIN. ALT: <u>HAVOX WP 3800 TOPIE WP 3000</u>	
5. DIST TO THLD FROM OM: <u>        </u> MM: <u>        </u> IM: <u>        </u> 150 HAT: <u>        </u> 100 HAT: <u>        </u> GS ANT: <u>        </u>	
6. MIN GS INCPT: <u>        </u> GS ALT AT: <u>        </u> OM: <u>        </u> MM: <u>        </u> IM: <u>        </u>	
7. GS ANGLE: <u>        </u> TCH: <u>34:1 IS CLEAR</u>	
8. MSA FROM: <u>ADUXE WP 6500</u>	

  

MINIMUMS															
TAKEOFF:	<input type="checkbox"/>	STANDARD	<input checked="" type="checkbox"/>	SEE FAA FORM 8260-15A FOR THIS AIRPORT	ALTERNATE: N	<input type="checkbox"/>	A	<input checked="" type="checkbox"/>							
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
LNAV MDA	1300	1	344	1300	1	344	1300	1	344	1300	1 1/4	344			
CIRCLING	1560	1	577	1600	1	617	1620	1 3/4	637	1780	2 1/2	797			

  

NOTES: STRAIGHT-IN MINIMUMS NOT AUTHORIZED AT NIGHT. GPS OR RNP-0.3 REQUIRED. DME/DME RNP-0.3 NA.

  

CITY AND STATE  NEEDLES, CA	ELEVATION: 983 TDZE: 956	FACILITY IDENTIFIER:  RNAV	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:  23 Jan 03 RNAV (GPS) RWY 29, ORIG	SUP:
	AIRPORT NAME:  NEEDLES			AMDT: NONE
	DATED			