

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION VOR/DME STANDARD INSTRUMENT APPROACH PROCEDURE FLIGHT STANDARDS SERVICE - TITLE 14 CFR PART 97.23										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		MAP: MARGR/18.96 DME							
SAC VORTAC (IAF)			BORGE/8.00 DME			241.26 / 8.00				2000		CLIMBING RIGHT TURN TO 2200 ON HEADING 100 AND SAC R-241 TO DOLCE/14.00 DME AND HOLD.							
BORGE/8.00 DME (IF)			DOLCE/14.00 DME			241.26 / 6.00 (SAC R-241)				2000									
										ADDITIONAL FLIGHT DATA: HOLD NE, RT, 241.26 INBOUND. CHART A-682. CHART CIRCLING ICON. FAC CROSSES RWY 2 2104 FT RIGHT OF THLD.									
1. PT <u>NA</u> SIDE OF COURSE <u> </u> OUTBOUND <u> </u> FT WITHIN <u> </u> MILES OF <u> </u> (IAF)										MAG VAR: 17E EPOCH YEAR: 1980									
2. PROFILE STARTS AT BORGE/8.00 DME																			
3. FAC <u>241.26</u> FAF <u>DOLCE/14.00 DME</u> DIST FAF TO MAP <u> </u> THLD <u> </u>																			
4. MIN. ALT <u>BORGE 2000, DOLCE 2000</u>																			
8. MSA FROM: <u>SAC VORTAC 220-310 4100, 310-220 3100</u>																			
MINIMUMS																			
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT										ALTERNATE: N A		@							
CATEGORY =====>		A			B			C			D			E					
	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA				
CIRCLING	920	1	803	920	1	803	960	2 1/2	843	1360	3	1243							
NOTES:																			
CHART NOTE: RWY 2 HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED.										@ CAT A, B 900-2, CAT C 900-2 1/2, CAT D 1300-3									
CHART NOTE: DME REQUIRED.																			
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS ON SAC VORTAC AIRWAY RADIALS 137 CW 237.																			
CHART NOTE: CIRCLING RWY 2 NA AT NIGHT.																			
CHART NOTE: CIRCLING NA W OF RWY 2-20.																			
CITY AND STATE VACAVILLE, CA				ELEVATION: 117 AIRPORT NAME:		TDZE:		FACILITY IDENTIFIER: SAC		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: VOR-A, AMDT 6				SUP VOR/DME-A					
				NUT TREE										AMDT 5A					
														DATE 07/23/2015					

ALL AFFECTED PROCEDURES REVIEWED? <input type="checkbox"/> YES <input type="checkbox"/> NO	COORDINATES OF FACILITIES	REQUIRED EFFECTIVE DATE <div style="text-align: center;">ROUTINE</div>
COORDINATED WITH: <div style="display: flex; justify-content: space-between; align-items: flex-start;"> <div style="text-align: center;">ATA <input type="checkbox"/></div> <div style="text-align: center;">AAT <input type="checkbox"/></div> <div style="text-align: center;">ALPA <input type="checkbox"/></div> <div style="text-align: center;">APA <input type="checkbox"/></div> <div style="text-align: center;">AOPA <input checked="" type="checkbox"/></div> <div style="text-align: center;">NBAA <input checked="" type="checkbox"/></div> <div style="text-align: center;">OTHER (specify) <input checked="" type="checkbox"/> <u>ZOA, KSUU APCH, AMGR</u></div> </div>		
FLIGHT CHECKED BY		
NAME:	FIFO	DATE:
DEVELOPED BY <i>Digitally signed by</i>		
NAME: JOHN THORNTON	FIFO AJV-5422	DATE: 05/11/2017
APPROVED BY		
NAME: JULIE A. MORGAN	FIFO AJV-5420	DATE:
CHANGES: <ol style="list-style-type: none"> 1. PROCEDURE NAME CHANGED FROM VOR/DME-A TO VOR-A. 2. TERMINAL ROUTES: COURSE CHANGED FROM 241.28 TO 241.26. 3. MISSED APPROACH: CHANGED FROM "CLIMBING RIGHT TURN TO 2000 VIA HEADING 100 AND SAC R-241 TO DOLCE/14.00 DME AND HOLD" TO "CLIMBING RIGHT TURN TO 2200 ON HEADING 100 AND SAC R-241 TO DOLCE/14.00 DME AND HOLD". 4. ADDITIONAL FLIGHT DATA: CHANGED MISSED HOLDING FROM "HOLD NE, RT, 241.28 INBOUND" TO "HOLD NE, RT, 241.26 INBOUND". 5. ADDITIONAL FLIGHT DATA: CHANGED "FAC CROSSES RWY 2 1438 FT FROM THLD" TO "FAC CROSSES RWY 2 2104 FT RIGHT OF THLD". 6. ADDITIONAL FLIGHT DATA: ADDED "CHART A-682". 7. CHANGED 3. FAC FROM 241.28 TO 241.26. 8. ALTERNATE MINIMUMS: CHANGED FROM "STANDARD @ " TO "@", DELETED "@NA WHEN LOCAL WEATHER NOT AVAILABLE", AND ADDED "@ CAT A, B 900-2, CAT C 900-2 1/2, CAT D 1300-3". 9. MINIMUMS: CHANGED CIRCLING CAT A-B MDA/HAA FROM 760/643 TO 920/803, CHANGED CIRCLING CAT C MDA/VIS/HAA FROM 760/1 3/4/643 TO 960/2 1/2/843, AND ADDED CIRCLING CAT D MDA/VIS/HAA 1360/3/1243. 10. CHANGED HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED NOTE TO READ: RWY 2 HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED. 11. ADDED "DME REQUIRED" NOTE. (SEE FORM 8260-10) 		
REASONS: <ol style="list-style-type: none"> 1. PROCEDURE AMENDED TO ADD CAT D, UPDATE CIRCLING TO NEW CRITERIA, AND APPLY KVCB AIRPORT MAG VAR CHANGE FROM 15E (2005) TO 13E (2020). 2, 4, 7. EFFECTIVE 4/5/2012, SACRAMENTO (SAC) VORTAC LAT/LONGS CHANGED FROM 382637.1716N/1213305.8407W TO 382637.4825N/1213305.9378 (MOVED 3.4 FEET) RESULTING IN COURSE CHANGE FROM 241.28 TO 241.26 - NO CHANGE TO GROUND TRACK. 3. MISSED APPROACH ALTITUDE RAISED FROM 2000 TO 2200 DUE TO ADDITION OF CAT D ENLARGING THE MISSED APPROACH EVALUATION AREA WHICH INCLUDES NEW TERRAIN/OBSTACLES THAT CAUSE THE INCREASE. 5. CALCULATED MEASUREMENT RESULTS IN 2103.42 FT ROUNDED UP TO 2104 FT. 6. LARGE PORTION OF PROCEDURE IS LOCATED WITHIN THE AREA OF A-682. 8, 9. MINIMUMS CHANGED DUE TO APPLICATION OF NEW CIRCLING CRITERIA/NEW OBSTACLES AND CAT D ADDED. 10. UPDATED HELICOPTER VISIBILITY REDUCTION NOTE THAT WAS PUBLISHED WITH P-NOTAM FDC 5/9714 TO CURRENT CRITERIA DUE TO RWY 2 HAVING VAAR PENETRATIONS. 11. NOTE IS REQUIRED DUE TO REMOVAL OF "/DME" FROM THE PROCEDURE NAME IAW CURRENT CRITERIA. 12. NOTE IS NOT REQUIRED ON THE 8260-5 AND IS NO LONGER ACCURATE DUE TO CHANGED MINIMUMS/ADDITION OF CAT D. 13. IAW CURRENT CRITERIA. 14. CHANGED NOTE THAT WAS PUBLISHED WITH P-NOTAM FDC 5/9714 TO BE IAW CURRENT CRITERIA. 		
PDF EDIT: 8260-5: ADDED "NA" TO "1. PT NA..."		

**VOR/DME STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICE - - TITLE 14 CFR PART 97.23**

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.



CITY AND STATE

VACAVILLE, CA

ELEVATION: 117

TDZE:

AIRPORT NAME:

NUT TREE

FACILITY
IDENTIFIER:

SAC

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

VOR-A, AMDT 6

SUP: VOR/DME-A

AMDT: 5A

DATED: 07/23/2015

ALL AFFECTED PROCEDURES REVIEWED? <div><input type="checkbox"/> YES</div> <div><input type="checkbox"/> NO</div>		COORDINATES OF FACILITIES		REQUIRED EFFECTIVE DATE	
COORDINATED WITH:					
ATA <div><input type="checkbox"/></div>		AAT <div><input type="checkbox"/></div>	ALPA <div><input type="checkbox"/></div>	APA <div><input type="checkbox"/></div>	AOPA <div><input type="checkbox"/></div>
NBAA <div><input type="checkbox"/></div>		OTHER (specify) <div><input type="checkbox"/></div>			
FLIGHT CHECKED BY					
NAME:				FIFO	DATE:
DEVELOPED BY					
NAME:				FIFO	DATE:
APPROVED BY					
NAME:				FIFO	DATE:
CHANGES: CHANGES CONT. 12. DELETED NOTE "WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE TRAVIS AFB ALTIMETER SETTING AND INCREASE ALL MDA 40 FEET AND CAT C VISIBILITY 1/4 MILE". 13. CHANGED CIRCLING NA NOTE FROM "CIRCLING NA WEST OF RWY 2-20" TO "CIRCLING NA W OF RWY 2-20". 14. CHANGED NIGHT LANDING NOTE FROM "NIGHT LANDING: RWY 2 NA" TO "CIRCLING RWY 2 NA AT NIGHT".					
REASONS:					

STANDARD INSTRUMENT APPROACH PROCEDURE DATA RECORD		
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PART - A OBSTRUCTION DATA

[illegible]

PART B - SUPPLEMENTAL DATA										<div>PART C - REMARKS:</div> <div>VDP NOT ESTABLISHED - NOT STRAIGHT-IN ALIGNED.</div> <div>PRECIPITOUS TERRAIN EVALUATION COMPLETED.</div> <div>ORDER 8260.3, CHAPTER 2, NEW CIRCLING CRITERIA APPLIED. CAT A: 1.30NM CAT B: 1.81NM CAT C: 2.84NM CAT D: 3.73NM</div> <div>NO ADDITIONAL AIRSPACE REQUIRED. RASS PRESSURE PATTERNS SAME KVCB 117, KEDU 69 RA = 36.</div> <div>AIRPORT MAG VAR CHANGE FROM 15E (EPOCH YEAR 2005) TO 13E (EPOCH 2020).</div> <div>MISSED APPROACH POINT (MARGR) EVALUATED TO DETERMINE IF LOWER MINIMUMS COULD BE ACHIEVED BY MOVING FIX TO MOVE MISSED APPROACH AREA AWAY FROM HIGHER ELEVATIONS WHICH CAUSE MISSED APPROACH PENETRATIONS. LOWER CAT A/B MDA'S CAN BE ATTAINED BY MOVING THE FIX TO SAC R-241.26/18.55 DME, BUT THIS RESULTS IN HIGHER VISIBILITY MINIMUMS. WFPT CHOSE LOWER VISIBILITY VS. LOWER MDA'S.</div> <div>100FT VEGETATION USED PER WFPT.</div> <div>VISUAL PORTION OF FINAL EVALUATED IAW AFS-400 MEMORANDUM DATED 11/04/2014.</div> <div>ORDER 8260.3, VOL 1, VISUAL PORTION OF FINAL PENETRATIONS: R02 20:1 PENS 224 TREE (KVCBT000549) 382207.70N/1215803.96W (40.65) 222 TREE (KVCBT000554) 382206.45N/1215803.87W (33.59) 130 POLE (06-026170) 382221.55N/1215759.90W (13.89) 189 TREE (KO450023) 382207.92N/1215803.87W (6.78)</div> <div>FINAL APPROACH AIMING POINT IS ARP.</div> <div>DAVIS UNIVERSITY (KEDU) UTILIZED AS REMOTE ALTIMETER SETTING SOURCE PER EFPT.</div> <div>CIRCLING NA WEST OF RWY 2-20 AT ATC/WFPT REQUEST DUE TO OBSTRUCTIONS TO ATTAIN LOWER MINIMUMS.</div> <div>BACKUP ALTIMETER NOTE FOR CONTINGENCY PURPOSES: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE DAVIS UNIVERSITY ALTIMETER SETTING AND INCREASE ALL MDA 40 FEET AND CATS A-C VISIBILITY 1/4 MILE.</div>															
1. COMMUNICATIONS WITH:				2. WEATHER SERVICE				3. ALTIMETER SETTING																	
KSUU APP CON ZOA ARTCC						N W S		OTHER: ASOS												SOURCE:KVCB / KEDU					
						F A A														DISTANCE: 0 / 12.34					
						A / C														HOURS REMOTE OPERATION: 24 / 24/YES					
SATISFACTORY ON:				LOCATION: KVCB				ADJUSTMENT: 0 / 36																	
X		V H F		X		U H F														H F					
4. MONITOR STATUS		PRIMARY NAVAID: SAC VORTAC																							
		MONITOR POINT:																							
		HRS OPTN:		CAT 1				CAT 3																	
5. APPROACH & RUNWAY LIGHTING				ALS																					
				(S) SALS																					
				MALS																					
				HIRL																					
		X		MIRL 02 (PCL), 20 (PCL)																					
		X		REIL 02 (PCL), 20 (PCL)																					
				TDZ																					
				C/LINE																					
		X		OTHER (SPECIFY) PAPI-2L 02 (PCL), 20 (PCL)																					
6. RUNWAY MARKINGS		BASIC																							
		ALL WEATHER																							
		INSTRUMENT NPI-G 02, 20																							
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						RUNWAY THRESHOLD				FT. FROM THRESHOLD															
						ON CENTERLINE				FT. FROM CENTERLINE															
10. WAIVERS: NONE																									
PART D - PREPARED BY: JOHN THORNTON										DATE: 05/11/2017															
TITLE: AERONAUTICAL INFORMATION SPECIALIST										OFFICE: AJV-5422															

