

**FEDERAL AVIATION ADMINISTRATION
FLIGHT STANDARDS SERVICE
RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE
TITLE 14 CFR PART 97.33**

Bearings, headings, courses, tracks 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 feet RVR.

<u>AIRPORT ID</u> SVE	<u>PROCEDURE NAME</u> RNAV (GPS)-A	<u>ORIGINAL/AMENDMENT</u> 2A	<u>CITY</u> SUSANVILLE	<u>STATE</u> CA		
<u>AIRPORT ELEVATION</u> 4149	<u>TDZE</u>	<u>SUPERSEDED</u> RNAV (GPS)-A	<u>ORIGINAL/AMENDMENT</u> 2	<u>DATED</u> 07/19/2018	<u>MAG VAR</u> 17E	<u>EPOCH YEAR</u> 1985
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u>	<u>REQUIRED EFFECTIVE DATE</u> ROUTINE	<u>CANCEL/SUSPEND</u>		

TERMINAL ROUTES

<u>FROM</u>	<u>FIX TYPE</u>	<u>TO</u>	<u>FIX TYPE</u>	<u>LEG TYPE</u>	<u>FO/FB</u>	<u>RNP</u>	<u>COURSE</u>	<u>DISTANCE</u>	<u>ALTITUDE</u>
WNDEL		PAPGE		TF	FO	1.00	294.67	24.42	9400
BACHS	IAF	PAPGE	NOPT	TF	FB	1.00	143.01	38.14	9400
PAPGE	IF/IAF	NOTIC		TF	FB	1.00	142.20	9.00	8000
NOTIC	FAF	BICAV/6.00 NM TO KECEP		TF	FB	0.30	142.24	3.16	
BICAV/6.00 NM TO KECEP		DETAY/3.50 NM TO KECEP		TF	FB	0.30	142.24	2.50	
DETAY/3.50 NM TO KECEP		KECEP	MAP	TF	FO	0.30	142.24	3.50	
KECEP	MAP	4549 MSL		CA			142.24		
4549 MSL		AHC VOR/DME		DF	FO	1.00			14000

MISSED APPROACH

MAP:
KECEP

MISSED APPROACH INSTRUCTIONS:

CLIMBING LEFT TURN TO 14000 DIRECT AHC VOR/DME AND HOLD, CONTINUE CLIMB-IN-HOLD TO 14000.

ALTERNATE MISSED APPROACH INSTRUCTIONS:

PROFILE:

- | | | | | | | |
|--|----------------|----------|-----------------------|----------|-------------------|-----|
| 1. PT | SIDE OF COURSE | OUTBOUND | FT WITHIN | MILES OF | (IAF) | |
| 2. HOLD NW PAPGE, RT, 142.20 INBOUND, 9400 IN LIEU OF PT (IAF), MAX 14000. | | | | | | |
| 3. FAC: 142.24 | FAF: NOTIC | | DIST FAF TO MAP: 9.16 | | DIST FAF TO THLD: | |
| 4. MIN ALT: PAPGE 9400, NOTIC 8000, BICAV/6.00 NM TO KECEP 7360, DETAY/3.50 NM TO KECEP 6360 | | | | | | |
| 5. DIST TO THLD FROM OM: | MM: | IM: | 150 HAT: | GS ANT: | | |
| 6. MIN GP INCPT: | GP ALT AT FAF: | | | OM: | MM: | IM: |
| 7. GP ANGLE: | 34:1: | 20:1: | TCH: | | | |
| 8. MSA FROM: KECEP 9600 | | | | | | |

QUALITY
37
CHECKED

PBN REQUIREMENTS NOTE:

RNP APCH - GPS.

NOTES:

CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, PROCEDURE NA.
CHART NOTE: CIRCLING NA FOR CAT D SOUTH OF RWY 11-29.
CHART NOTE: CIRCLING NA TO RWYS 7 AND 25.

ADDITIONAL FLIGHT DATA:

HOLD NW, RT, 134.00 INBOUND.

FAC CROSSES MIDPOINT OF RWY 11-29.

MINIMUMS:

TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT

ALTERNATE: NA ☒

CATEGORY:	A			B			C			D			E		
FINAL TYPE	DA/MDA	VIS	HAT/HAA	DA/MDA	VIS	HAT/HAA	DA/MDA	VIS	HAT/HAA	DA/MDA	VIS	HAT/HAA	DA/MDA	VIS	HAT/HAA
CIRCLING	5260	1 1/4	1111	5260	1 1/2	1111	5780	3	1631	6060	3	1911			

CHANGES - REASONS

1. RAISED FAF (NOTIC) MIN ALT FROM "7800" TO "8000" – NEW OBSTACLE EVALUATION, NEW CONTROLLING OBSTACLE IDENTIFIED.
2.PROFILE LINE 4: UPDATED FROM "PAPGE 9400, NOTIC 7800, BICAV/6.00 NM TO KCEP 7360, DETAY/3.50 NM TO KCEP 6360" TO "PAPGE 9400, NOTIC 8000, BICAV/6.00 NM TO KCEP 7360, DETAY/3.50 NM TO KCEP 6360" – NEW CONTROLLING OBSTACLE IDENTIFIED AT NOTIC.
3. PBN REQUIREMENT NOTE: UPDATED FROM "RNP APCH" TO "RNP APCH – GPS) – IAW 8260.19K 8-6-8.
4. NOTES: UPDATED CHART NOTE FROM "CIRCLING NA TO RWY 7/25" TO "CIRCLING NA TO RWYS 7 AND 25" – IAW 8260.19K 8-6-10.
5. NOTES: UPDATED CHART NOTE FROM "CIRCLING NA FOR CAT D SW OF RWY 11-29" TO "CIRCLING NA FOR CAT D SOUTH OF RWY 11-29" – IAW 8260.19K 8-6-10.
6. ADDITIONAL FLIGHT DATA: REMOVED "CHART CIRCLING ICON," "6439 AAO 402854N/1203642W," "4679 AAO 402618N/1203524W," "CHART FAS OBST: 4459 TREE 402524N/1203523W" AND "CHART R-2530" – NO LONGER REQUIRED; R-2530 DECOMMISSIONED.

COORDINATED WITH:

A4A ☒ ALPA ☐ AOPA ☒ APA ☐ HAI ☐ NBAA ☒ OTHER: RENO APP CON, ZOA, AMGR

FLIGHT CHECKED BY

WENDI S GIMMA

DEVELOPED BY

RAKE MCGRAW (JUDITH TUTTLE)

APPROVED BY

RAKE MCGRAW

Digitally signed by
RAKE MCGRAW
Apr 13, 2026
AJF
04/10/2026

Digitally signed by
RAKE MCGRAW
Apr 13, 2026
AJV-A431
10/09/2025

Digitally signed by
RAKE MCGRAW
Apr 13, 2026
AJV-A422
06/04/2026

TITLE
MANAGER



**FEDERAL AVIATION ADMINISTRATION
FLIGHT STANDARDS SERVICE
STANDARD INSTRUMENT APPROACH PROCEDURE DATA RECORD**

<u>AIRPORT ID</u>	<u>PROCEDURE NAME</u>	<u>AMDT NO.</u>	<u>CITY</u>	<u>STATE</u>	<u>AIRPORT ELEVATION</u>	<u>FACILITY</u>
SVE	RNAV (GPS)-A	2A	SUSANVILLE	CA	4149	RNAV

PART A: OBSTRUCTION DATA SEGMENTS

FEEDER

FROM WNDEL **TO** PAPGE

RNP 1.00 DISTANCE 24.42 PAT MAP HAT HMAS

<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
AAO	402648.00N/1202130.00W	6926	215	8	4B	2000				AT474	9400
TERRAIN	402648.00N/1202130.00W	6725 (6700)								AS1500	8200

COMPUTATIONS

ALT KIAS KTAS HAA VKTW TR BA DTA COURSE CHANGE DVEB VEB OCS RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

INITIAL

FROM BACHS **TO** PAPGE

RNP 1.00 DISTANCE 38.14 PAT MAP HAT HMAS

<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
AAO	404927.00N/1205121.00W	7363	215	8	4B	1000				AT807 PR230	9400
TERRAIN	404927.00N/1205121.00W	7162 (7200)								AS1500	8700

COMPUTATIONS

ALT KIAS KTAS HAA VKTW TR BA DTA COURSE CHANGE DVEB VEB OCS RF CENTER FIX/DISTANCE

SEGMENT REMARKS:



INTERMEDIATE

FROM

PAPGE (IF/IAF)

TO

NOTIC

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>		<u>HAT</u>		<u>HMAS</u>				
1.00	9.00										
<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
AAO	403357.00N/1204327.00W	7064	215	8	4B	500				SA-305 PR190	7500
TERRAIN	403315.00N/1204224.00W	6486 (6500)								AS1500	8000

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

FINAL: LNAV

FROM

NOTIC

TO

BICAV/6.00 NM TO KECEP

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>		<u>HAT</u>		<u>HMAS</u>				
0.30	3.16										
<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
AAO	402933.00N/1203736.00W	6729	215	8	4B	250				XL159 PR190 DG32	7360

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:



FINAL: LNAV STEPDOWN

FROM

BICAV/6.00 NM TO KECEP

TO

DETAY/3.50 NM TO KECEP

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>		<u>HAT</u>		<u>HMAS</u>				
0.30	2.50										
<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
AAO	402803.00N/1203551.00W	5637	215	8	4B	250				XL1 SA-359 PR180 DG651	6360

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

FINAL: LNAV STEPDOWN

FROM

DETAY/3.50 NM TO KECEP

TO

KECEP

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>		<u>HAT</u>		<u>HMAS</u>				
0.30	3.50		KECEP								
<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
TREE	402524.00N/1203524.00W	4471	215	8	4B	250				PR90	4820

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:



HOLD-IN-LIEU OF PT

FROM

PAPGE

TO

P-10

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u> P-10	<u>MAP</u>		<u>HAT</u>				<u>HMAS</u>		
<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
AAO	401118.00N/1203554.00W	8137	215	8	4B	1000				PR230	9400
TERRAIN	404118.00N/1203554.00W	7936 (7900)								AS1500	9400

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

MISSED APPROACH: LNAV

FROM

KECEP

TO

AHC VOR/DME

<u>RNP</u> 0.30-1.00	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>				<u>HAT</u>	<u>HMAS</u> 5070			
<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
							ASC				14000
AAO	402021.00N/1202730.00W	5420	215	8	4B	1000				PR160	6600
TERRAIN	402018.00N/1202730.00W	5219 (5200)								AS1500	6700

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

CIRCLING

☐ ALL CATS

☒ CAT A

☒ CAT B

☒ CAT C

☒ CAT D

☐ CAT E

☐ NOT AUTHORIZED

OBSTRUCTION	COORDINATES	RADIUS	HAA	ELEV MSL	HORZ	VERT	AC	ROC	OCS	ADJUSTMENTS	MIN ALT
CATEGORY A											
TREE	402127.00N/1203445.00W	1.38	1111	4723	215	8	4B	300		XP227	5260
CATEGORY B											
TREE	402103.00N/1203509.00W	1.97	1111	4726	215	8	4B	300		XP227	5260
CATEGORY C											
TREE	401930.00N/1203530.00W	3.14	1631	5468	215	8	4B	300			5780
CATEGORY D											
AAO	402651.00N/1203348.00W	4.15	1911	5752	215	8	4B	300			6060

CIRCLING REMARKS:

XP: TO MEET CURRENTLY PUBLISHED MINIMUMS.

MSA

CENTER

KECEP

RADIUS

25

SECTOR	OBSTRUCTION	COORDINATES	BEARING	DISTANCE	ELEV MSL	HORZ	VERT	AC	ROC	OCS	ADJUSTMENTS	MIN ALT
360-360	AAO	395939.00N/1203739.00W	169	23.3	8567	215	8	4B	1000			9600

MSA REMARKS:

NOTES/EXPLANATIONS FROM PROCEDURE SEGMENTS:

PART B: SUPPLEMENTAL DATA

COMMUNICATIONS WITH

RNO FSS, ZOA ARTCC

WX SERVICE AWOS-3	LOCATION SVE	HRS OPERATION 24	ALTIMETER SOURCE SVE	DISTANCE	WMSCR Y	ADJUSTMENTS 0
BACK-UP WX SERVICE AWOS-3	LOCATION RTS	HRS OPERATION 24	ALTIMETER SOURCE RTS	DISTANCE 53.19	WMSCR Y	ADJUSTMENTS 247

WX REMARKS:

RASS PRESSURE PATTERNS THE SAME
KSVE 4149, KRTS 5036
RA = 247.

PRIMARY NAVAID

MONITOR POINT

HRS OPERATION

CAT



<u>AIRPORT ID</u> SVE	<u>PROCEDURE NAME</u> RNAV (GPS)-A	<u>AMDT NO.</u> 2A	<u>CITY</u> SUSANVILLE	<u>STATE</u> CA	<u>AIRPORT ELEVATION</u> 4149	<u>FACILITY</u> RNAV
<u>APPROACH AND RUNWAY LIGHTING SYSTEM</u>		<u>RUNWAY MARKINGS</u>	<u>RUNWAY VISUAL RANGE</u>			
RW25						
RW07						
RW11 - MIRL (PCL), PAPI-2L		NPI-F				
RW29 - MIRL (PCL), PAPI-2L		NPI-F				

<u>GLIDESLOPE ANGLE</u>	<u>ELEV RWY THRESHOLD</u>	<u>TCH</u>	<u>ELEV GS ANTENNA</u>	<u>DISTANCE FROM RWY</u>	<u>VGSI ANGLE</u>	<u>TCH</u>
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<u>FINAL APPROACH COURSE AIMING</u>			
RUNWAY THRESHOLD	☐	FT FROM THRESHOLD	DISPLACED THRESHOLD DISTANCE
ON CENTERLINE	☐	FT FROM CENTERLINE	

<u>CRITICAL TEMPERATURES</u>			
<u>CRITICAL LOW</u>	<u>CRITICAL HIGH</u>	<u>ACT</u>	<u>APT ISA</u>

CRITICAL TEMPERATURE REMARKS:

<u>"VISUAL PORTION OF FINAL" PENETRATIONS</u>
<u>PENETRATIONS REMARKS:</u>

HELICOPTER 'VISUAL PORTION OF FINAL' PENETRATIONS

and/or

5280-FT "PROCEED VFR" SEGMENT LEVEL SURFACE AREA PENETRATIONS

<u>PENETRATIONS REMARKS:</u>



PART C: GENERAL REMARKS:

VDP NOT ESTABLISHED - FINAL IS CIRCLING ONLY.

PRECIPITOUS TERRAIN EVALUATION COMPLETED.

OPTIMAL FAC AIMING POINT UTILIZED.

BACK-UP ALTIMETER MINIMA NOT DEVELOPED PER FPT, DUE TO EXCESSIVE ADJUSTMENT REQUIRED BY AVAILABLE SOURCES.

TAA NOT DEVELOPED PER FPT.

AVERAGE VEGETATION ASSUMED TO BE 100 FEET.

FEEDER SEGMENT WNDEL TO PAPGE TERRAIN IDENTIFIED AS PRECIPITOUS; ROC REDUCTIONS NOT AUTHORIZED/ 2000 - FT ROC REQUIRED.

CIRCLING CAT D NA SW OF AIRPORT TO AVOID HIGH TERRAIN PER FPT.

ORDER 8260.3 CHAPTER 2 APPLIED TO 6611 AAO 402857.00N/1203636.00W.

ORDER 8260.3 CHAPTER 2 APPLIED TO 4689 AAO 402615.00N/1203521.00W.

ORDER 8260.3, CHAPTER 2, NEW CIRCLING CRITERIA APPLIED.

PART D: AIRSPACE

DOCKET #

ALL DISTANCES TO 1/100NM; ELEVATION TO NEAREST 100 FEET; COORDINATES TO 1/100 SECOND; DEG TO 1/100 DEGREE

DISTANCE FROM	MAP	TO 1000FT POINT	9.16
WIDTH OF	FINAL	SEGMENT AT 1000FT POINT	2.13
TRUE COURSE OF	FINAL	SEGMENT CONTAINING 1000FT POINT	159.24
HIGH TERRAIN IN	FINAL	SEGMENT CONTAINING 1000FT POINT	6600
DISTANCE FROM	MAP	TO 1500FT POINT	15.16
WIDTH OF	INTERMEDIATE	SEGMENT AT 1500FT POINT	4.00
TRUE COURSE OF	INTERMEDIATE	SEGMENT CONTAINING 1500FT POINT	159.20
HIGH TERRAIN IN	INTERMEDIATE	SEGMENT CONTAINING 1500FT POINT	6300

THRESHOLD COORDINATES (IF STR-IN)

ARP COORDINATES	402232.50N/1203421.70W
RUNWAY APCH END AND DIST FURTHEST FROM ARP	RUNWAY 29 DISTANCE 0.35 NM
FAF COORDINATES	403124.22N/1203845.35W
FIX NAME COORDINATES	

REMARKS

PART E: PREPARED BY

NAME	OFFICE	DATE	TITLE
RAKE MCGRAW (JUDITH TUTTLE)	AJV-A431	10/09/2025	AERONAUTICAL INFORMATION SPECIALIST

