

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</u> NAPA COUNTY	<u>AIRPORT ID</u> KAPC	<u>PROCEDURE NAME</u> RNAV (GPS) Y RWY 1L	<u>ORIGINAL/AMENDMENT</u> 3	<u>CITY</u> NAPA	<u>STATE</u> CA	
<u>AIRPORT ELEVATION</u> 36	<u>TDZE</u> 17	<u>SUPERSEDED</u> RNAV (GPS) Y RWY 36L	<u>ORIGINAL/AMENDMENT</u> 2C	<u>DATED</u> 09/13/2018	<u>MAG VAR</u> 15E	<u>EPOCH YEAR</u> 2005
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 10 OCTOBER 2019	<u>REQUIRED EFFECTIVE DATE</u> 10/10/2019	<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>
HABAP		PEBGE		TF	FB	1.00	140.21	9.53	4000
PEBGE		FESAV		TF	FO	1.00	140.26	8.00	2600
SABLO		FESAV		TF	FO	1.00	270.88	8.41	2900
MICRA	IAF	ZIRUP	NOPT	TF	FB	1.00	056.54	6.63	4100
ZIRUP		FESAV		TF	FB	1.00	056.58	7.00	2600
SAU VOR/DME	IAF	WEGNA	NOPT	TF	FB	1.00	019.65	6.67	3200
WEGNA		FESAV		TF	FB	1.00	019.68	6.00	2600
FESAV	IF/IAF	CIKPI		TF	FB	1.00	005.69	6.01	1800
CIKPI	FAF	RW01L	MAP	TF	FO	0.30	005.71	5.45	
RW01L	MAP	436 MSL		CA			005.71		
436 MSL		CIVDA		DF	FB	1.00			
CIVDA		POPES		TF	FO	1.00	326.19	13.45	5000



MISSED APPROACH

MAP:
LPV: DA
LNAV/VNAV: DA
LNAV: RW01L

MISSED APPROACH INSTRUCTIONS:
CLIMB TO 5000 DIRECT CIVDA AND ON TRACK 326.19 TO POPES AND HOLD, CONTINUE CLIMB-IN-HOLD TO 5000.

ALTERNATE MISSED APPROACH INSTRUCTIONS:

PROFILE:

1. PT	SIDE OF COURSE	OUTBOUND	FT WITHIN	MILES OF	(IAF)				
2.	HOLD S FESAV, RT, 005.69 INBOUND, 2600 FT. IN LIEU OF PT (IAF), MAX 5000.								
3. FAC:	005.71	FAF: CIKPI	DIST FAF TO MAP: 5.45	DIST FAF TO THLD: 5.45					
4. MIN ALT:	FESAV 2600, CIKPI 1800								
5. DIST TO THLD FROM OM:	MM:	IM:	150 HAT:	1235 HAT: 3.69	GS ANT:				
6. MIN GP INCPT: 1800	GP ALT AT FAF : CIKPI 1800			OM:	MM:		IM:		
7. GP ANGLE: 3.00	34:1: IS CLEAR	20:1: IS CLEAR	TCH: 50.0						
8. MSA FROM:	RW01L 5000								

PBN REQUIREMENTS NOTE:

RNP APCH.

NOTES:

CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -4°C OR ABOVE 54°C.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT HABAP ON V108 NORTHWEST BOUND.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT SABLO ON V195 SOUTHBOUND.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT MICRA ON V107-301 WESTBOUND.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT SAU VOR/DME ON V150 SOUTHWEST BOUND.
CHART NOTE: CIRCLING CATS A/B/C NA NE OF RWYS 19R AND 24. CIRCLING CAT D NA E OF RWY 19L-1R.
CHART NOTE: INOPERATIVE TABLE DOES NOT APPLY TO LPV, LNAV/VNAV ALL CATS, AND LNAV CATS C/D.
CHART NOTE: CIRCLING RWY 6 NA AT NIGHT.

ADDITIONAL FLIGHT DATA:

CHART CIRCLING ICON.
CHART VDP AT 3.72 NM TO RW01L*
*LNAV ONLY
WAAS CHANNEL #56613
REFERENCE PATH ID: W01A
CHART FAS OBST: 295 TRANSMISSION_LINE 380916N/1221752W.
HOLD SE, RT, 330.39 INBOUND
LTP HAE: -27.4 M



MINIMUMS:**TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT****ALTERNATE:** NA ☐ CAT A, B, C, D 1300-5, NA WHEN LOCAL WEATHER NOT AVAILABLE.

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
LPV DA	1252	5	1235	1252	5	1235	1252	5	1235	1252	5	1235			
LNAV/VNAV DA	1051	4	1034	1051	4	1034	1051	4	1034	1051	4	1034			
LNAV MDA	1260	1	1243	1260	1 1/4	1243	1260	3	1243	1260	3	1243			
CIRCLING	1260	1 1/4	1224	1260	1 1/2	1224	1280	3	1244	1300	3	1264			

CHANGES - REASONS

1. CHANGED ALL REFERENCES TO RWY 36L TO RWY 1L. - RWYS 36 L/R AND 18L/R RENUMBERED TO 1 L/R AND 19 L/R.
2. MOVED ALL BACKUP ALTIMETER DATA TO 8260-9 GENERAL REMARKS. - FOR CONTINGENCY PURPOSES.
3. CHANGED FAS OBST IN ADDITIONAL FLIGHT DATA FROM 298 T-L TWR 380915N/1221752W TO 295 TRANSMISSION LINE 380916N/1221752W. - DATABASE UPDATE.
4. DELETED FAS OBST 145 TREE 381148N/1221648W (LNAV/VNAV) FROM ADDITIONAL FLIGHT DATA. - FAS OBST IS ONLY FOR NON-PRECISION.
5. MOVED DISTANCE THLD FROM HAT FROM ADDITIONAL FLIGHT DATA TO PROFILE VIEW AND CHANGED VALUES FROM 1025 HAT: 3.06 NM TO 1034 HAT: 3.10. - FAAO 8260.19H AND NEW VNAV DA.
6. CHANGED VDP FROM 3.88 NM TO RWY36L TO 3.72 NM TO RWY 1L. - NEW CALCULATIONS AND MDA LOWERED.
7. CHANGED REFERENCE PATH ID FROM W36A TO W01A. - RWY RENUMBERING.
8. CHANGED MSA FROM 5100 TO 5000. - NEW TARGETS CALCULATION.
9. CHANGED INOPERATIVE TABLE DOES NOT APPLY TO INOPERATIVE TABLE DOES NOT APPLY TO LPV, LNAV/VNAV ALL CATS AND LNAV CATS C/D. - NEW VISIBILITY CALCULATIONS AND FAAO 8260.3D CHAPTER 3.
10. CHANGED FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -15C (5F) OR ABOVE 43C (109F) TO FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV /VNAV NA BELOW -4°C OR ABOVE 54°C. - NEW 5 YEAR TEMPERATURE STUDY AND DEGREES F NO LONGER USED.
11. CHANGED CIRCLING NA NORTHEAST OF RWYS 18R AND 24 TO CIRCLING CATS A/B/C NA NE OF RWYS 19R AND 24. CIRCLING CAT D NA E OF RWY 19L-1R. - ATC REQUEST AND RWY 18R RENUMBERING.
12. RAISED MISSED APPROACH CA ALTITUDE FORM 435 TO 436. - NEW SURVEY HAS AIRPORT ELEVATION AT 36 MSL.
13. CHANGED LPV DA FROM 1249/HAT 1232 TO 1252/HAT 1235, LNAV/VNAV DA FROM 1042/HAT 1025 TO 1051/HAT 1034 AND LNAV MDA FROM 1300/HAT 1283 TO 1260/HAT 1224. - NEW MAP STUDY FOR LOCATION OF MISSED APPROACH PENETRATOR. (381551.30N/1221300.60W TO 381546.49N/1221302.06W) AND NEW TARGETS CALCULATIONS.
14. EXPANDED CIRCLING AREA, ADDED CHART CIRCLING ICON TO ADDITIONAL FLIGHT DATA AND CHANGED CIRCLING MDA/HAA FROM CAT A,1300/1264, CAT B, 1300/ 1264, CAT C, 1300/1264, AND CAT D, 1300/1264 TO CAT A, 1260/1224, CAT B,1260/1224, CAT C, 1280/1244, AND CAT D, 1300/1264. - NEW FAAO 8260.3D CIRCLING CRITERIA AND NEW STRAIGHT-IN LNAV MDA.
15. ADDED 20:1 IS CLEAR TO PROFILE VIEW. - FAAO 8260.19H PARAGRAPH 8-6-7 I.
16. LTP COORDINATES CHANGED FROM 381228.7140N/1221706.9770W TO 381228.7175N/1221706.9790W AND ELLIPSOIDAL HEIGHT FROM -00276 TO -00274 IN FAS DATA. - NEW AIRNAV DATA PULL.
17. FPAP COORDINATES CHANGED FROM 381352.1200N/1221626.9400W TO 381352.1314N/1221626.9363W. - NEW TARGETS FAS DATA CALCULATIONS.
18. CRC REMAINDER CHANGED FROM BA7088C4 TO 48D11642. - NEW FPAP AND LTP COORDINATES.
19. LTP/FPAP ORTHOMETRIC HEIGHT CHANGED FROM 00043 TO 00044. - NEW DATA PULL.
20. ADDED CHART NOTE: CIRCLING RWY 6 NA AT NIGHT. - RWY 6 20:1 PENETRATIONS.



COORDINATED WITH:

A4A ☐ ALPA ☒ AOPA ☒ APA ☐ HAI ☐ NBAA ☒ OTHER: ZOA, NORCAL TRACON, APC ATCT, AMGR, ATA

Digitally signed by

FLIGHT CHECKED BY

DONALD H LANIER

OFFICE

DATE

PENDING

Aug 06, 2019

FICO

DEVELOPED BY

Digitally signed by

LIAM DONAHUE

LIAM DONAHUE

OFFICE

AJV-A431

DATE

04/10/2019

Jun 06, 2019

APPROVED BY

LONNIE EVERHART

Digitally signed by

DONALD H LANIER

OFFICE

AJV-A430

DATE

TITLE
MANAGER

Aug 06, 2019



FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KAPC
RUNWAY	RW01L
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	Y
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W01A
LTP/FTP LATITUDE	381228.7175N
LTP/FTP LONGITUDE	1221706.9790W
LTP/FTP ELLIPSOIDAL HEIGHT	-00274
FPAP LATITUDE	381352.1310N
FPAP LONGITUDE	1221626.9360W
THRESHOLD CROSSING HEIGHT (TCH)	00050.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0944
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0
 CRC REMAINDER	 48D11642

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K2
LTP ORTHOMETRIC HEIGHT	+00044
FPAP ORTHOMETRIC HEIGHT	+00044

