

**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> KMHR	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 22R	<u>ORIGINAL/AMENDMENT</u> ORIG	<u>CITY</u> SACRAMENTO	<u>STATE</u> CA		
<u>AIRPORT ELEVATION</u> 98	<u>TDZE</u> 94	<u>SUPERSEDED</u>	<u>ORIGINAL/AMENDMENT</u> NONE	<u>DATED</u>	<u>MAG VAR</u> 13E	<u>EPOCH YEAR</u> 2020
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 22 APRIL 2021	<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>
HNW VOR/DME		BUZEF		TF	FO	1.00	248.83	15.21	6000
HAGAN	IAF	BUZEF	NOPT	TF	FB	1.00	158.80	12.10	4000
BUZEF	IF/IAF	FIBAG		TF	FB	1.00	220.85	3.75	2600
FIBAG		GRDEN		TF	FB	1.00	220.80	3.75	1800
GRDEN	FAF	NUMBY/2.39 NM TO RW22R		TF	FB	0.30	220.77	2.83	
NUMBY/2.39 NM TO RW22R		RW22R	MAP	TF	FO	0.30	220.77	2.39	
RW22R	MAP	500 MSL		CA			220.77		500
500 MSL		SAC VORTAC		DF	FO	1.00			3000

MISSED APPROACH

MAP:

LPV: DA
LNAV/VNAV: DA
LNAV: RW22R

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 500 THEN CLIMB TO 3000 DIRECT SAC VORTAC AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:

QUALITY
21
CHECKED

PROFILE:

1. PT

SIDE OF COURSE

OUTBOUND

FT WITHIN

MILES OF

(IAF)

2. HOLD NE BUZEF, RT, 220.85 INBOUND, 4000 FT. IN LIEU OF PT (IAF), MAX 6000.

3. FAF: 220.77FAF: GRDENDIST FAF TO MAP: 5.22DIST FAF TO THLD: 5.22

4. MIN ALT: BUZEF 4000, FIBAG 2600, GRDEN 1800, NUMBY/2.39 NM TO RW22R 900*

5. DIST TO THLD FROM OM:MM:IM:150 HAT:275 HAT: 0.72GS ANT:

6. MIN GP INCPT: 1800GP ALT AT FAF : GRDEN 1800OM:MM:IM:

7. GP ANGLE: 3.0034:1: IS CLEAR20:1: IS CLEARTCH: 45.0

8. MSA FROM: RW22R 4100

PBN REQUIREMENTS NOTE:

RNP APCH.

NOTES:

CHART NOTE: CIRCLING NA NW OF RWY 4L-22R.
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -15°C OR ABOVE 54°C.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL ON HNW VOR/DME AIRWAY RADIALS 180 CW 303, AND ARRIVALS AT HAGAN ON V392-494 NORTHBOUND.

ADDITIONAL FLIGHT DATA:

HOLD SW, RT, 048.99 INBOUND.
CHART FAS OBST: 262 TOWER 383514N/1211539W.
463 AAO 383539N/1211021W.
CHART VDP AT 1.38 NM TO RW22R*
*LNAV ONLY.
WAAS CHANNEL # 42943
REFERENCE PATH ID: W22B
CHART CIRCLING ICON.
LTP HAE: -1.7 M

MINIMUMS:

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

ALTERNATE: NA ☐ STANDARD - CAT D 800-2 1/4, 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	294	3/4	200	294	3/4	200	294	3/4	200	294	3/4	200			
LNAV/VNAV DA	369	7/8	275	369	7/8	275	369	7/8	275	369	7/8	275			
LNAV MDA	580	1	486	580	1	486	580	1 3/8	486	580	1 3/8	486			
CIRCLING	580	1	482	580	1	482	600	1 1/2	502	800	2 1/4	702			

QUALITY
21
CHECKED

CHANGES - REASONS

COORDINATED WITH:

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

FLIGHT CHECKED BY

DANIEL C FAVORITE

Digitally signed by

JASON KRETSCHMER

Feb 19, 2021

OFFICE

FICO

DATE

02/09/2021

DEVELOPED BY

JASON KRETSCHMER (DANIEL C JOHNSEN)

Digitally signed by

JASON KRETSCHMER

Jan 19, 2021

OFFICE

AJV-A421

DATE

11/11/2020

APPROVED BY

MARLON ROBINSON

Digitally signed by

JASON KRETSCHMER

Jan 19, 2021

OFFICE

AJV-A420

DATE

TITLE
MANAGER

QUALITY
21
CHECKED

FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KMHR
RUNWAY	RW22R
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W22B
LTP/FTP LATITUDE	383346.3500N
LTP/FTP LONGITUDE	1211716.5605W
LTP/FTP ELLIPSOIDAL HEIGHT	-00017
FPAP LATITUDE	383253.5500N
FPAP LONGITUDE	1211848.1040W
THRESHOLD CROSSING HEIGHT (TCH)	00045.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0896
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	35.0
CRC REMAINDER	4F9A5830

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K2
LTP ORTHOMETRIC HEIGHT	+00287
FPAP ORTHOMETRIC HEIGHT	+00287

