

**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.

<b>AIRPORT ID</b> MHR	<b>PROCEDURE NAME</b> RNAV (GPS) RWY 22R	<b>ORIGINAL/AMENDMENT</b> ORIG-B	<b>CITY</b> SACRAMENTO	<b>STATE</b> CA
<b>AIRPORT ELEVATION</b> 98	<b>TDZE</b> 94	<b>SUPERSEDED</b> RNAV (GPS) RWY 22R	<b>DATED</b> 07/11/2024	<b>MAG VAR</b> 13E
<b>FACILITY</b> RNAV	<b>COORDINATES OF FACILITIES</b>	<b>ACTUAL EFFECTIVE DATE</b>	<b>REQUIRED EFFECTIVE DATE</b> ROUTINE	<b>EPOCH YEAR</b> 2020
			<b>CANCEL/SUSPEND</b>	

**TERMINAL ROUTES**

FROM	FIX TYPE	TO	FIX TYPE	LEG TYPE	FO/FB	RNP	COURSE	DISTANCE	ALTITUDE
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:**

**PROFILE:**

- PT**                      **SIDE OF COURSE**                      **OUTBOUND**                      **FT WITHIN**                      **MILES OF** (IAF)
- HOLD NE BUZEF, RT, 220.85 INBOUND, 4000 IN LIEU OF PT (IAF), MAX 6000.
- FAC:** 220.77                      **FAF:** GRDEN                      **DIST FAF TO MAP:** 5.22                      **DIST FAF TO THLD:** 5.22
- MIN ALT:** BUZEF 4000, FIBAG 2600, GRDEN 1800, NUMBY/2.39 NM TO RW22R 900
- DIST TO THLD FROM OM:**                      **MM:**                      **IM:**                      **150 HAT:**                      **200 HAT:** 0.49                      **GS ANT:**
- MIN GP INCPT:** 1800                      **GP ALT AT PFAF:** GRDEN 1800                      **OM:**                      **MM:**                      **IM:**
- GP ANGLE:** 3.00                      **34:1:** IS CLEAR                      **20:1:** IS CLEAR                      **TCH:** 45.0
- MSA FROM:** RW22R 4200



**PBN REQUIREMENTS NOTE:**

RNP APCH - GPS.

**NOTES:**

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.  
 CHART NOTE: CIRCLING NA NW OF RWY 4L-22R.  
 CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT HAGAN ON V392-494 NORTHBOUND.  
 CHART NOTE: PROCEDURE NA AT NIGHT.

**ADDITIONAL FLIGHT DATA:**

HOLD SW, RT, 048.99 INBOUND.  
 CHART FAS OBST: 321 TANK (06-235423) 383426N/1211730W.  
 CHART VDP AT 1.57 NM TO RW22R.  
 WAAS CHANNEL # 42943  
 REFERENCE PATH ID: W22B  
 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.

<b><u>CATEGORY:</u></b>	<b><u>A</u></b>			<b><u>B</u></b>			<b><u>C</u></b>			<b><u>D</u></b>			<b><u>E</u></b>		
<b><u>FINAL TYPE</u></b>	<b><u>DA/MDA</u></b>	<b><u>VIS</u></b>	<b><u>HAT/HAA</u></b>	<b><u>DA/MDA</u></b>	<b><u>VIS</u></b>	<b><u>HAT/HAA</u></b>	<b><u>DA/MDA</u></b>	<b><u>VIS</u></b>	<b><u>HAT/HAA</u></b>	<b><u>DA/MDA</u></b>	<b><u>VIS</u></b>	<b><u>HAT/HAA</u></b>	<b><u>DA/MDA</u></b>	<b><u>VIS</u></b>	<b><u>HAT/HAA</u></b>
LPV DA	294	1	200	294	1	200	294	1	200	294	1	200			
LNAV/VNAV DA	532	1 1/4	438	532	1 1/4	438	532	1 1/4	438	532	1 1/4	438			
LNAV MDA	640	1	546	640	1	546	640	1 5/8	546	640	1 5/8	546			
CIRCLING	640	1	542	640	1	542	640	1 5/8	542	800	2 1/4	702			

**CHANGES - REASONS**

- MSA CHANGED 4100 TO 4200 - UPDATED OBSTACLE EVALUATION IDENTIFIED NEW CONTROLLING OBSTACLE AAO N384109.00/W1204130.00
- VDP CHANGED FROM 1.38 NM TO RWY 22R TO 1.57 NM TO RWY 22R - UPDATED OBSTACLE EVALUATION.
- REMOVED CHART NOTE: CHART CIRCLING ICON - NO LONGER REQUIRED.
- LPV VISIBILITY CHANGED FROM 3/4 SM TO 1 SM - IAW 8260.3G 3-3-1.
- LNAV/VNAV MINIMUMS HAT-DA-VIS CHANGED FROM 275-369-7/8 TO 438-532-1 1/4 - UPDATED OBSTACLE EVALUATION IDENTIFIED NEW CONTROLLING OBSTACLE 321 TANK (06-235423) 383426.45N/1211729.86W.
- LNAV MINIMUMS HAT/DA CHANGED FROM 486/580 TO 546/640; CAT C/D VIS CHANGED FROM 1 3/8 TO 1 5/8 - UPDATED OBSTACLE EVALUATION IDENTIFIED NEW CONTROLLING OBSTACLE 321 TANK (06-235423) 383426.45N/1211729.86W.
- CIRCLING MINIMUMS HAT/DA CAT A/B CHANGED FROM 482/580 TO 542/640; CAT C HAT-DA-VIS FROM 502-600-1 1/2 TO 542-640-1 5/8 - UPDATED OBSTACLE EVALUATION IDENTIFIED NEW CONTROLLING OBSTACLES.
- PBN REQUIREMENTS NOTE: CHANGED FROM "RNP APCH" TO "RNP APCH - GPS" - IAW 8260.19K.



**COORDINATED WITH:**

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

**FLIGHT CHECKED BY**

WENDI S GIMA

*Digitally signed by*

**ALLAN WILL**

Mar 31, 2026

**OFFICE**

AJF

**DATE**

03/27/2026

**DEVELOPED BY**

ALLAN WILL (RODNEY SMITH)

*Digitally signed by*

**ALLAN WILL**

Mar 31, 2026

**OFFICE**

AJV-A4

**DATE**

01/26/2026

**APPROVED BY**

KYLE THOMPSON

*Digitally signed by*

**ALLAN WILL**

Mar 31, 2026

**OFFICE**

AJV-A4

**DATE**

**TITLE**  
MANAGER

**FAS DATA BLOCK INFORMATION**

**DATA FIELD**

**OPERATION TYPE**  
**SBAS SERVICE PROVIDER IDENTIFIER**  
**AIRPORT IDENTIFIER**  
**RUNWAY**  
**APPROACH PERFORMANCE DESIGNATOR**  
**ROUTE INDICATOR**  
**REFERENCE PATH DATA SELECTOR**  
**REFERENCE PATH IDENTIFIER (APPROACH ID)**  
**LTP/FTP LATITUDE**  
**LTP/FTP LONGITUDE**  
**LTP/FTP ELLIPSOIDAL HEIGHT**  
**FPAP LATITUDE**  
**FPAP LONGITUDE**  
**THRESHOLD CROSSING HEIGHT (TCH)**  
**TCH UNITS SELECTOR (METERS OR FEET USED)**  
**GLIDEPATH ANGLE (GPA)**  
**COURSE WIDTH AT THRESHOLD**  
**LENGTH OFFSET**  
**HORIZONTAL ALERT LIMIT (HAL)**  
**VERTICAL ALERT LIMIT (VAL)**

**DATA**

0  
0  
KMHR  
RW22R  
0  
0  
W22B  
383346.3500N  
1211716.5605W  
-00017  
383253.5500N  
1211848.1040W  
00045.0  
F  
03.00  
106.75  
0896  
40.0  
35.0

**CRC REMAINDER**

4F9A5830

**ADDITIONAL PATH POINT RECORD INFORMATION**

**ICAO CODE**  
**LTP ORTHOMETRIC HEIGHT**  
**FPAP ORTHOMETRIC HEIGHT**

K2  
+00287  
+00287



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

<u>AIRPORT ID</u> MHR	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 22R	<u>AMDT NO.</u> ORIG-B	<u>CITY</u> SACRAMENTO	<u>STATE</u> CA	<u>AIRPORT ELEVATION</u> 98	<u>FACILITY</u> RNAV
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**PART A: OBSTRUCTION DATA SEGMENTS**

**FEEDER**

**FROM** HNW VOR/DME **TO** BUZEF

RNP 1.00      DISTANCE 15.21      PAT      MAP      HAT      HMAS

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
TREE (06-227369)	384436.34N/1204404.03W	2956	20	3	1A	2000				AT1044	6000
TERRAIN	384342.00N/1204500.00W	2608 (2600)								AS1500	4100

**COMPUTATIONS**

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

**SEGMENT REMARKS:**

FPT DIRECTED 6000 FOR HIGH TERRAIN.

**INITIAL**

**FROM** HAGAN **TO** BUZEF

RNP 1.00      DISTANCE 12.10      PAT      MAP      HAT      HMAS

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
AAO	384900.00N/1210327.00W	1703	215	8	4B	1000				AT1297	4000
TERRAIN	384900.00N/1210327.00W	1502 (1500)								AS1500	3000

**COMPUTATIONS**

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

**SEGMENT REMARKS:**



**AIRPORT ID**  
MHR

**PROCEDURE NAME**  
RNAV (GPS) RWY 22R

**AMDT NO.**  
ORIG-B

**CITY**  
SACRAMENTO

**STATE**  
CA

**AIRPORT ELEVATION**  
98

**FACILITY**  
RNAV

**INTERMEDIATE**

**FROM**  
BUZEF (IF/IAF)

**TO**  
FIBAG

**RNP**  
1.00

**DISTANCE**  
3.75

**PAT**

**MAP**

**HAT**

**HMAS**

<b>OBSTRUCTION</b>	<b>COORDINATES</b>	<b>ELEV MSL</b>	<b>HORZ</b>	<b>VERT</b>	<b>AC</b>	<b>ROC</b>	<b>OCS</b>	<b>CG</b>	<b>CGTA</b>	<b>ADJUSTMENTS</b>	<b>MIN ALT</b>
TREE	384115.00N/1210142.00W	1393	215	8	4B	500				AT707	2600
TERRAIN	384051.00N/1210251.00W	1230 (1200)								AS1000	2200

**COMPUTATIONS**

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

**SEGMENT REMARKS:**

**INTERMEDIATE: STEPDOWN**

**FROM**  
FIBAG

**TO**  
GRDEN

**RNP**  
1.00

**DISTANCE**  
3.75

**PAT**

**MAP**

**HAT**

**HMAS**

<b>OBSTRUCTION</b>	<b>COORDINATES</b>	<b>ELEV MSL</b>	<b>HORZ</b>	<b>VERT</b>	<b>AC</b>	<b>ROC</b>	<b>OCS</b>	<b>CG</b>	<b>CGTA</b>	<b>ADJUSTMENTS</b>	<b>MIN ALT</b>
AAO	383912.00N/1210636.00W	912	215	8	4B	500				AT388	1800
TERRAIN	383727.00N/1210712.00W	423 (400)								AS1000	1400

**COMPUTATIONS**

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

**SEGMENT REMARKS:**



**AIRPORT ID**  
MHR

**PROCEDURE NAME**  
RNAV (GPS) RWY 22R

**AMDT NO.**  
ORIG-B

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SACRAMENTO

**STATE**  
CA

**AIRPORT ELEVATION**  
98

**FACILITY**  
RNAV

**FINAL: LPV**

**FROM**  
GRDEN

**TO**  
RW22R

**RNP**  
0.30

**DISTANCE**  
5.22

**PAT**

**MAP**  
DA

**HAT**  
200

**HMAS**

<b>OBSTRUCTION</b>	<b>COORDINATES</b>	<b>ELEV MSL</b>	<b>HORZ</b>	<b>VERT</b>	<b>AC</b>	<b>ROC</b>	<b>OCS</b>	<b>CG</b>	<b>CGTA</b>	<b>ADJUSTMENTS</b>	<b>MIN ALT</b>
							ASC				294

**COMPUTATIONS**

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

**SEGMENT REMARKS:**

**FINAL: LNAV/VNAV**

**FROM**  
GRDEN

**TO**  
RW22R

**RNP**  
0.30

**DISTANCE**  
5.22

**PAT**

**MAP**  
DA

**HAT**  
438

**HMAS**

<b>OBSTRUCTION</b>	<b>COORDINATES</b>	<b>ELEV MSL</b>	<b>HORZ</b>	<b>VERT</b>	<b>AC</b>	<b>ROC</b>	<b>OCS</b>	<b>CG</b>	<b>CGTA</b>	<b>ADJUSTMENTS</b>	<b>MIN ALT</b>
TANK (06-235423)	383426.45N/1211729.86W	321	250	50	4D	161				AC50	532

**COMPUTATIONS**

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

**SEGMENT REMARKS:**

**FINAL: LNAV**

**FROM**  
GRDEN

**TO**  
NUMBY/2.39 NM TO RW22R

**RNP**  
0.30

**DISTANCE**  
2.83

**PAT**

**MAP**

**HAT**

**HMAS**

<b>OBSTRUCTION</b>	<b>COORDINATES</b>	<b>ELEV MSL</b>	<b>HORZ</b>	<b>VERT</b>	<b>AC</b>	<b>ROC</b>	<b>OCS</b>	<b>CG</b>	<b>CGTA</b>	<b>ADJUSTMENTS</b>	<b>MIN ALT</b>
AAO	383603.00N/1211042.00W	486	215	8	4B	250				RA40 DG124	900

**COMPUTATIONS**

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

**SEGMENT REMARKS:**

SAFELY  
6  
CHECKED

**AIRPORT ID**  
MHR

**PROCEDURE NAME**  
RNAV (GPS) RWY 22R

**AMDT NO.**  
ORIG-B

**CITY**  
SACRAMENTO

**STATE**  
CA

**AIRPORT ELEVATION**  
98

**FACILITY**  
RNAV

**FINAL: LNAV STEPDOWN**

**FROM**  
NUMBY/2.39 NM TO RW22R

**TO**  
RW22R

**RNP**  
0.30

**DISTANCE**  
2.39

**PAT**

**MAP**  
RW22R

**HAT**  
546

**HMAS**

<b>OBSTRUCTION</b>	<b>COORDINATES</b>	<b>ELEV MSL</b>	<b>HORZ</b>	<b>VERT</b>	<b>AC</b>	<b>ROC</b>	<b>OCS</b>	<b>CG</b>	<b>CGTA</b>	<b>ADJUSTMENTS</b>	<b>MIN ALT</b>
TANK (06-235423)	383426.45N/1211729.86W	321	250	50	4D	250				AC50	640

**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**  
BUZEF

**TO**  
P-6

**RNP**

**DISTANCE**

**PAT**  
P-6

**MAP**

**HAT**

**HMAS**

<b>OBSTRUCTION</b>	<b>COORDINATES</b>	<b>ELEV MSL</b>	<b>HORZ</b>	<b>VERT</b>	<b>AC</b>	<b>ROC</b>	<b>OCS</b>	<b>CG</b>	<b>CGTA</b>	<b>ADJUSTMENTS</b>	<b>MIN ALT</b>
AAO	384554.00N/1205421.00W	2231	215	8	4B	1000				AT869	4100
TERRAIN	384309.00N/1205927.00W	2040 (2000)								AS1500	3500

**COMPUTATIONS**

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

**SEGMENT REMARKS:**



**AIRPORT ID**  
MHR

**PROCEDURE NAME**  
RNAV (GPS) RWY 22R

**AMDT NO.**  
ORIG-B

**CITY**  
SACRAMENTO

**STATE**  
CA

**AIRPORT ELEVATION**  
98

**FACILITY**  
RNAV

**MISSED APPROACH: LPV**

**FROM** DA **TO** SAC VORTAC

**RNP** 0.30 **DISTANCE** **PAT** **MAP** **HAT** **HMAS** 129

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
							ASC				3000
TOWER (06-002685)	383242.56N/1212513.55W	343	20	3	1A	1000					1400
TERRAIN	383400.00N/1211545.00W	164 (200)								AS1500	1700

**COMPUTATIONS**

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

**SEGMENT REMARKS:**

**MISSED APPROACH: LNAV/VNAV**

**FROM** DA **TO** SAC VORTAC

**RNP** 0.30-1.00 **DISTANCE** **PAT** **MAP** **HAT** **HMAS** 371

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
							ASC				3000
TOWER (06-002685)	383242.56N/1212513.55W	343	20	3	1A	1000					1400
TERRAIN	383400.00N/1211545.00W	164 (200)								AS1500	1700

**COMPUTATIONS**

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

**SEGMENT REMARKS:**



**AIRPORT ID**  
MHR

**PROCEDURE NAME**  
RNAV (GPS) RWY 22R

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ORIG-B

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SACRAMENTO

**STATE**  
CA

**AIRPORT ELEVATION**  
98

**FACILITY**  
RNAV

**MISSED APPROACH: LNAV**

**FROM** RW22R **TO** SAC VORTAC

**RNP**  
0.30-1.00

**DISTANCE**

**PAT**

**MAP**

**HAT**

**HMAS**  
540

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
							ASC				3000
TOWER (06-002685)	383242.56N/1212513.55W	343	20	3	1A	1000					1400
TERRAIN	383400.00N/1211545.00W	164 (200)								AS1500	1700

**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											
WATER_TOWER (06-214322)	383238.22N/1211647.07W	1.30	542	247	20	10	1B	300		SI	640
CATEGORY B											
ANTENNA (06-214313)	383504.38N/1211525.24W	1.81	542	255	20	3	1A	300		SI	640
CATEGORY C											
ELECTRICAL_SYSTEM (06-310786)	383114.83N/1211527.55W	2.84	542	298	20	10	1B	300		SI	640
CATEGORY D											
AAO	383403.00N/1211212.00W	3.71	702	440	215	8	4B	300			800

**CIRCLING REMARKS:**

CIRCLING NA NW OF RWY 4L-22R.



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CA

**AIRPORT ELEVATION**  
98

**FACILITY**  
RNAV

**MSA**

**CENTER** **RADIUS**  
RW22R 25

SECTOR	OBSTRUCTION	COORDINATES	BEARING	DISTANCE	ELEV MSL	HORZ	VERT	AC	ROC	OCS	ADJUSTMENTS	MIN ALT
360-360	AAO	384109.00N/1204130.00W	062	29.0	3157	215	8	4B	1000			4200

**MSA REMARKS:**

**NOTES/EXPLANATIONS FROM PROCEDURE SEGMENTS:**

100 FT VEGETATION USED PER FPT.

**PART B: SUPPLEMENTAL DATA**

**COMMUNICATIONS WITH**

ZOA ARTCC, NORCAL APP CON, MHR TOWER

WX SERVICE	LOCATION	HRS OPERATION	ALTIMETER SOURCE	DISTANCE	WMSCR	ADJUSTMENTS
AWOS-3PT	MHR	24	MHR		Y	0

BACK-UP WX SERVICE	LOCATION	HRS OPERATION	ALTIMETER SOURCE	DISTANCE	WMSCR	ADJUSTMENTS
ASOS	SAC	24	SAC	9.57	Y	34

**WX REMARKS:**

RASS PRESSURE PATTERNS THE SAME  
KMRH 98, KSAC 19  
RA = 33.7.

PRIMARY NAVAID	MONITOR POINT	HRS OPERATION	CAT
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APPROACH AND RUNWAY LIGHTING SYSTEM	RUNWAY MARKINGS	RUNWAY VISUAL RANGE
02H		
01H		
RW04L	NPI-G	
RW22R	NPI-G	
RW04R - HIRL (PCL), VASI-4L (PCL)	PIR-G	APPROACH, MIDPOINT, ROLL OUT
RW22L - MALSR (PCL), HIRL (PCL), VASI-4L (PCL)	PIR-G	APPROACH, MIDPOINT, ROLL OUT

GLIDESLOPE ANGLE	ELEV RWY THRESHOLD	TCH	ELEV GS ANTENNA	DISTANCE FROM RWY	VGSI ANGLE	TCH
3.00	94.1	45.0				

**FINAL APPROACH COURSE AIMING**

RUNWAY THRESHOLD	<input checked="" type="checkbox"/>	FT FROM THRESHOLD	DISPLACED THRESHOLD DISTANCE
ON CENTERLINE	<input checked="" type="checkbox"/>	FT FROM CENTERLINE	



**AIRPORT ID**  
MHR

**PROCEDURE NAME**  
RNAV (GPS) RWY 22R

**AMDT NO.**  
ORIG-B

**CITY**  
SACRAMENTO

**STATE**  
CA

**AIRPORT ELEVATION**  
98

**FACILITY**  
RNAV

**CRITICAL TEMPERATURES**

<b><u>CRITICAL LOW</u></b> -15C	<b><u>CRITICAL HIGH</u></b> +54C	<b><u>ACT</u></b> -15C	<b><u>APT ISA</u></b> +14.81C
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**CRITICAL TEMPERATURE REMARKS:**

AVERAGE COLD TEMPERATURE DERIVED FROM STANDARD -30C ISA DEVIATION.  
CRITICAL LOW TEMPERATURE BASED ON ACT.  
DESCENT RATE (FPM): STANDARD TEMP 956 HIGH TEMP 1261.

**"VISUAL PORTION OF FINAL" PENETRATIONS**

**HELICOPTER 'VISUAL PORTION OF FINAL' PENETRATIONS**

and/or

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

**PENETRATIONS REMARKS:**

**PART C: GENERAL REMARKS:**

FOR CONTINGENCY PURPOSES: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE SAC ALTIMETER SETTING: INCREASE LPV DA TO 328 FEET; INCREASE LNAV/VNAV DA TO 566 FEET AND ALL VISIBILITIES 1/8 SM; INCREASE ALL MDAS 40 FEET AND LNAV VISIBILITY CAT C/D 1/8 SM AND CIRCLING VISIBILITY CAT C/D 1/4 SM.

BARO-VNAV AND VDP NA WHEN USING SAC ALTIMETER SETTING.

PRECIPITOUS TERRAIN EVALUATION COMPLETED.  
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**

<b>DISTANCE FROM</b>	<b>THLD</b>	<b>TO 1000FT POINT</b>	<b>3.65</b>
<b>WIDTH OF</b>	<b>FINAL</b>	<b>SEGMENT AT 1000FT POINT</b>	<b>1.20</b>
<b>TRUE COURSE OF</b>	<b>FINAL</b>	<b>SEGMENT CONTAINING 1000FT POINT</b>	<b>233.77</b>
<b>HIGH TERRAIN IN</b>	<b>FINAL</b>	<b>SEGMENT CONTAINING 1000FT POINT</b>	<b>300</b>
<b>DISTANCE FROM</b>	<b>THLD</b>	<b>TO 1500FT POINT</b>	<b>10.12</b>
<b>WIDTH OF</b>	<b>INTERMEDIATE</b>	<b>SEGMENT AT 1500FT POINT</b>	<b>4.00</b>
<b>TRUE COURSE OF</b>	<b>INTERMEDIATE</b>	<b>SEGMENT CONTAINING 1500FT POINT</b>	<b>233.85</b>
<b>HIGH TERRAIN IN</b>	<b>INTERMEDIATE</b>	<b>SEGMENT CONTAINING 1500FT POINT</b>	<b>1200</b>

<b>THRESHOLD COORDINATES (IF STR-IN)</b>	383346.35N/1211716.56W
<b>ARP COORDINATES</b>	383319.12N/1211749.96W
<b>RUNWAY APCH END AND DIST FURTHEST FROM ARP</b>	RUNWAY 4R DISTANCE 1.00 NM
<b>FAF COORDINATES</b>	383651.63N/1211154.75W
<b>FIX NAME COORDINATES</b>	

**REMARKS**

NO ADDITIONAL AIRSPACE REQUIRED



AIRPORT ID  
MHR

PROCEDURE NAME  
RNAV (GPS) RWY 22R

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ORIG-B

CITY  
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STATE  
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AIRPORT ELEVATION  
98

FACILITY  
RNAV

**PART E: PREPARED BY**

NAME  
ALLAN WILL (RODNEY SMITH)

OFFICE  
AJV-A4

DATE  
01/26/2026

TITLE  
AERONAUTICAL INFORMATION SPECIALIST

