

FEDERAL AVIATION ADMINISTRATION  
FLIGHT STANDARDS SERVICE  
STANDARD TERMINAL ARRIVAL (STAR)

Bearings, headings, courses, tracks and radials are magnetic. Elevations and altitudes are in feet, MSL. Altitudes are minimum altitudes unless otherwise indicated.  
Distances are in nautical miles (NM). Graphic depictions attached.

Arrival Name	Number	STAR Computer Code	Superseded Number	Dated	Effective Date
<b>AMRVR (RNAV)</b>	<b>TWO</b>	<b>AMRVR.AMRVR2</b>	<b>ONE</b>	<b>05/31/2012</b>	<b>13SEPT2018</b>

TRANSITION ROUTES:

Transition Name	Transition Computer Codes	From FIX/NAVAID	To FIX/NAVAID	Mag Course	Distance	MEA	MOCA	MAA	Crossing Altitudes / Fixes
ADWAT	ADWAT.AMRVR2	ADWAT	CLOTS	248.11	06.98	FL240			
			UNTLY	248.14	36.39	FL190			
			KOLGE	247.62	27.14	13100			
			AMRVR	247.32	09.86	12300			
MINA	MVA.AMRVR2	MVA VORTAC	CRASY	264.50	05.12	FL260			
			ELIDE	264.57	61.80	FL190			
			AMRVR	264.82	35.42	12300			

ARRIVAL ROUTE DESCRIPTION:

FROM AMRVR ON TRACK 249.42/6.46 TO CROSS GEKNE AT OR ABOVE 12200, THEN ON TRACK 249.62/8.57 TO CROSS SAKOC AT OR ABOVE 9500, THEN ON TRACK 249.77/5.37 TO CROSS JACII AT OR ABOVE 8000, THEN ON TRACK 248.91/5.93 TO CROSS HNW VOR/DME AT OR ABOVE 7000. EXPECT ILS APPROACH RUNWAY 22L OR VISUAL APPROACH.

PROCEDURAL DATA NOTES:

NOTE: RNAV 1

NOTE: DME/DME/IRU OR GPS REQUIRED

NOTE: TURBOJET AIRCRAFT ONLY

NOTE: RADAR REQUIRED FOR NON-GPS EQUIPPED AIRCRAFT

FIXES AND/OR HOLDING PATTERNS:

CHART: I-MHR ILS

CHART: CAMRR

COMMUNICATIONS:

NORCAL APP CON, MHR ATIS, MHR TWR

AIRPORTS SERVED:

SACRAMENTO MATHER, SACRAMENTO, CA (KMHR)

LOST COMMUNICATIONS PROCEDURE:

REMARKS:

COMPLETE EVALUATION ACCOMPLISHED. THIS ABBREVIATED AMENDMENT QUALIFIES AS A PERIODIC REVIEW.

ADDITIONAL FLIGHT DATA:

DME/DME ASSESSMENT: SAT (RNP 2.0)

REFERENCE MAGNETIC VARIATION = KMHR 13E/2020

CHART AT HNW VOR/DME TERMINUS: LDG KMHR

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FLIGHT INSPECTED BY:

PROCESSED IAW AIRCRAFT OPERATIONS GROUP (AJW-33) MEMO, DECEMBER 22, 2017, SUBJECT: FLIGHT INSPECTION REVIEW  
NOT REQUIRED.

Name

Organization

Date

Digitally signed by

**JOHNNIE BAKER**

Apr 06, 2018

Signature

DEVELOPED BY:

DEBORAH L PRICE, OM

Name

OAKLAND ARTCC

Organization

01/24/2018

Date

Digitally signed by

**JOHNNIE BAKER**

Apr 06, 2018

Signature

APPROVED BY:

SHAWN M KOZICA, GM

Name

WSC, OSG

Organization

Date

Digitally signed by

**JOHNNIE BAKER**

Apr 06, 2018

Signature

CHANGES:

- 1) ADDED 4° TO ALL MAGNETIC TRACKS.
- 2) REPLACED MEAs ON COMMON ROUTE WITH FIX ALTITUDE RESTRICTIONS.
- 3) CORRECTED ALTITUDE RESTRICTION AT GEKNE FROM 12000 TO 12200. FULL MOUNTAINOUS ROC APPLIED TO AAO.
- 4) CHARTING CAMRR; ILS or LOC/DME RWY 22L APPROACH (IF/IAF).
- 5) REMOVED MOCA DATA FROM TRANSITION ROUTES ABOVE FL180. ALL OTHER MOCAs WERE WITHIN 500 FEET OF MEA AND THEREFOR NOT PREVIOUSLY CHARTED.
- 6) ADDED TERMINUS CHARTING INFORMATION TO ADDITIONAL FLIGHT DATA.

REASONS:

- 1) MAGVAR UPDATE FROM 17E/1980 TO 13E/2020, EFFECTIVE 07/19/2018.
- 2) TO ENSURE OBSTACLE CLEARANCE IAW CURRENT CRITERIA.
- 3) MVA TRANSITION EVALUATION PICKS UP SAME HIGHER TERRAIN AS ADWAT TRANSITION KOLGE-AMRVR LEG IN EARLIEST PORTION OF FIX DISPLACEMENT DUE TO TURN OVER AMRVR.
- 4) ATC REQUEST FOR AWARENESS.
- 5) NOT REQUIRED.
- 6) NEW CRITERIA REQUIREMENT.

FEDERAL AVIATION ADMINISTRATION  
FLIGHT STANDARDS SERVICE  
STAR (DATA RECORD)

Arrival Name AMRVR (RNAV)	Number TWO	STAR Computer Code AMRVR.AMRVR2		Superseded Number ONE		Dated 05/31/2012	Effective Date 13SEPT2018		
FIX/NAVAID	LAT/LONG	C	FO/FB	LEG TYPE	TC	DIST (NM)	ALTITUDE	SPEED	REMARKS
En Route Transition									
ADWAT	390000.00N / 1183000.00W	Y		IF					ADWAT.AMRVR2
CLOTS	385854.88N / 1183850.81W	Y	FB	TF	261.11	06.98			
UNTLY	385309.12N / 1192453.99W	Y	FB	TF	261.14	36.39			
KOLGE	384838.55N / 1195909.62W	Y	FB	TF	260.62	27.14			
AMRVR	384658.29N / 1201135.25W	Y	FB	TF	260.32	09.86			
En Route Transition									
MVA VORTAC	383355.08N / 1180158.27W	Y		IF					MVA.AMRVR2
CRASY	383435.06N / 1180826.87W	Y	FB	TF	277.50	05.12			
ELIDE	384217.62N / 1192642.60W	Y	FB	TF	277.57	61.80			
AMRVR	384658.29N / 1201135.25W	Y	FB	TF	277.82	35.42			
Common Route									
AMRVR	384658.29N / 1201135.25W	Y		IF					AMRVR.AMRVR2
GEKNE	384606.79N / 1201946.52W	Y	FB	TF	262.42	06.46	AT/ABOVE 12200		
SAKOC	384500.21N / 1203038.23W	Y	FB	TF	262.62	08.57	AT/ABOVE 9500		
JACII	384419.40N / 1203726.94W	Y	FB	TF	262.77	05.37	AT/ABOVE 8000		
HNW VOR/DME	384329.01N / 1204457.35W	Y	FB	TF	261.91	05.93	AT/ABOVE 7000		

QUALITY  
17  
CHECKED