

**FEDERAL AVIATION ADMINISTRATION
 FLIGHT STANDARDS SERVICE
 ILS STANDARD INSTRUMENT APPROACH PROCEDURE
 TITLE 14 CFR PART 97.29**

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> KHQM	<u>PROCEDURE NAME</u> ILS OR LOC RWY 24	<u>ORIGINAL/AMENDMENT</u> 4D	<u>CITY</u> HOQUIAM	<u>STATE</u> WA		
<u>AIRPORT ELEVATION</u> 18	<u>TDZE</u> 16	<u>SUPERSEDED</u> ILS OR LOC/DME RWY 24	<u>ORIGINAL/AMENDMENT</u> 4C	<u>DATED</u> 10/07/2021	<u>MAG VAR</u> 19E	<u>EPOCH YEAR</u> 1995
<u>FACILITY</u> I-HQM	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 23 FEBRUARY 2023	<u>REQUIRED EFFECTIVE DATE</u> ROUTINE	<u>CANCEL/SUSPEND</u>		

TERMINAL ROUTES [THIS IS A CORRECTED COPY OF A PROCEDURE ORIGINALLY PUBLISHED IN TL 23-05.](#)

FROM	FIX TYPE	TO	FIX TYPE	LEG TYPE	FO/FB	RNP	COURSE	DISTANCE	ALTITUDE
HQM VORTAC		NEYDI/I-HQM 6.37 DME					061.18	14.74	2900
ULESS/HQM VORTAC 30.00 DME	IAF	LAMMB/I-HQM 12.64 DME	NOPT				183.00 (HDG) & 240.84 (I-HQM)	7.29 & 4.50	2300
SOUPY/HQM VORTAC 30.00 DME	IAF	LAMMB/I-HQM 12.64 DME	NOPT				286.00 (HDG) & 240.84 (I-HQM)	5.87 & 4.56	2300
ZEDAT/HQM VORTAC 21.00 DME CCW	IAF	ONPAE/HQM VORTAC 21.00 DME					21.00 DME ARC		2800
PUGIC/HQM VORTAC 21.00 DME CCW	IAF	ONPAE/HQM VORTAC 21.00 DME					21.00 DME ARC		2800
ONPAE/HQM VORTAC 21.00 DME CCW		LAMMB/I-HQM 12.64 DME	NOPT				21.00 DME ARC (HQM LR-067)		2300
LAMMB/I-HQM 12.64 DME	IF	NEYDI/I-HQM 6.37 DME					240.84 (I-HQM)	6.27	2100

MISSED APPROACH

MAP:

ILS: DA
 LOC: I-HQM 0.91 DME

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 2500 DIRECT HQM VORTAC AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS (DO NOT CHART):

CLIMB TO 1300 THEN CLIMBING LEFT TURN TO 5000 ON HEADING 190 AND ON AST VOR/DME R-321 TO ZEDAT/AST 28.73 DME AND HOLD (DME REQUIRED)



PROFILE:

1. PT L SIDE OF COURSE 060.84 OUTBOUND 2300 FT WITHIN 10 MILES OF NEYDI (IAF)

2.

3. FAC: 240.84 FAF: NEYDI/I-HQM 6.37 DME DIST FAF TO MAP: DIST FAF TO THLD: 5.46

4. MIN ALT: NEYDI/I-HQM 6.37 DME 2100, WIMET/I-HQM 3.10 DME 900

5. DIST TO THLD FROM OM: MM: IM: 150 HAT: GS ANT: 889

6. MIN GS INCPT: 2100 GS ALT AT PFAF: NEYDI/I-HQM 6.37 DME 2100 OM: MM: IM:

7. GS ANGLE: 3.50 34:1 20:1 TCH: 54.7

8. MSA FROM: HQM VORTAC 050-170 3000, 170-300 1300, 300-050 3600

EQUIPMENT REQUIREMENTS NOTE:

DME REQUIRED.

NOTES:

CHART NOTE: CIRCLING NA NORTHWEST OF RWY 6-24.
 CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, PROCEDURE NA.
 CHART PROFILE NOTE: USE I-HQM DME WHEN ON THE LOCALIZER COURSE.
 CHART NOTE: FOR INOPERATIVE ALS, INCREASE S-ILS 24 CAT C VISIBILITY TO 7/8 AND S-LOC 24 CAT C VISIBILITY TO 1 5/8 SM.

ADDITIONAL FLIGHT DATA:

HOLD SW, RT, 060.00 INBOUND.
 CHART IN PLANVIEW: ALTERNATE MA HOLDING, HOLD NW ZEDAT/AST 28.73 DME, RT, 140.63 INBOUND.
 CHART FAS OBST: 328 POLE 465851N/1235238W.
 CHART 493 TREE 465854N/1235201W.
 839 AAO 465927N/1234712W.
 CHART VDP AT 2.53 DME.
 DISTANCE VDP TO THLD 1.62 NM.
 CHART IN PLANVIEW: ZEDAT/AST 28.73 DME.
 CHART HQM R-163 AT ZEDAT.
 CHART HQM R-148 AT PUGIC.
 CHART HQM R-082 AT ONPAE.



MINIMUMS:

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

ALTERNATE: NA ILS: STANDARD; LOC: STANDARD - CAT C 800-2 1/4

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
S-ILS 24	216	1/2	200	216	1/2	200	286	1/2	270		NA					
S-LOC 24	580	1/2	564	580	1/2	564	580	1 1/4	564		NA					
CIRCLING	580	1	562	580	1	562	800	2 1/4	782		NA					

CHANGES - REASONS

1. CHANGED PROCEDURE NAME FROM ILS OR LOC/DME RWY 24 TO ILS OR LOC RWY 24 - 8260.19I 8-3-4.B7
2. TERMINAL ROUTES: ALL REFERENCES TO LAMMB CHANGED FROM LAMMB TO LAMMB/I-HQM 12.64 DME - DME REQUIRED TO BE CHARTED AND NO CHANGE WAS MADE TO REMOVE DME INFORMATION.
3. TERMINAL ROUTES: HQM TO NEYDI/I-HQM 6.37 DME FIX TYPE FAF/IAF REMOVED - ADDRESS CODING ERROR.
4. CHANGED ALTERNATE MISSED APPROACH INSTRUCTION FROM CLIMB TO 1300 THEN CLIMBING LEFT TURN TO 5000 ON HEADING 190 AND AST VOR/DME R-317 TO ZEDAT/AST 28.73 AND HOLD. (DME REQUIRED) TO CLIMB TO 1300 THEN CLIMBING LEFT TURN TO 5000 ON HEADING 190 AND AST VOR/DME R-321 TO ZEDAT/AST 28.73 AND HOLD. (DME REQUIRED) - AST MAGVAR CHANGED 07/19/2018 FROM E19/1990 TO E15/2020, UPDATE RADIAL FROM AST TO ZEDAT FROM 317 TO 321 AND UPDATE HOLDING COURSE INBOUND FROM 137 TO 141 AND OUTBOUND HOLDING COURSE FROM 317 TO 321.
5. PROFILE VIEW LINE 4: CHANGED WIMET/I-HQM 3.10 DME 900* TO WIMET/I-HQM 3.10 DME 900; REMOVED *LOC ONLY - NO LONGER REQUIRED, 8260.19I, 8-6-10M.
6. CHANGED CHART NOTE FROM FOR INOP MALSR, INCREASE S-ILS CAT C VISIBILITY TO 7/8 MILE AND S-LOC CAT C VISIBILITY TO 1 5/8 MILE TO FOR INOPERATIVE ALS, INCREASE S-ILS 24 CAT C VISIBILITY TO 7/8 AND S-LOC 24 CAT C VISIBILITY TO 1 5/8 SM.SM - 8260.19I 8-6-11.O(3)D, 8260.3E TABLE 3-3-1.
7. ADDITIONAL FLIGHT DATA: DELETED CHART PLANVIEW NOTE: DME REQUIRED AND ADDED DME REQUIRED TO EQUIPMENT REQUIREMENTS NOTES - IAW 8260.19I, 8-6-8.A(2)(A).
8. ADDITIONAL FLIGHT DATA: CHANGED PLANVIEW FROM ALTERNATE MA HOLDING, HOLD NW ZEDAT/AST 28.73 DME, RT, 136.63 INBOUND TO ALTERNATE MA HOLDING, HOLD NW ZEDAT/AST 28.73 DME, RT, 140.63 INBOUND - UPDATED TO REFLECT AST MAGVAR CHANGE.
9. ADDITIONAL FLIGHT DATA: REMOVED CNF COXOD, REMOVED CHART (COXOD) AT INTERSECTION OF ULESS DR LEG AND INTERMEDIATE COURSE AND CHART (COXOD) AT INTERSECTION OF SOUPY DR LEG AND INTERMEDIATE COURSE - CNF FIX NO LONGER REQUIRED.

01/10/23: THIS IS A CORRECTED COPY OF THE FORM APPROVED ON 12/23/22

1. REMOVED CHART PROFILE NOTE: VGSI AND ILS GLIDEPATH NOT COINCIDENT - VGSI AND ILS GLIDEPATH ARE COINCIDENT.

COORDINATED WITH:

A4A ALPA AOPA APA HAI NBAA OTHER: ZSE, AMGR

FLIGHT CHECKED BY

PROCESSED IAW TECHNICAL SUPPORT GROUP (AJF-17) MEMO DATED 07/07/2021 GUIDANCE FOR PROCEDURAL CHANGES REQUIRING FLIGHT INSPECTION/VALIDATION

OFFICE

DATE

Digitally signed by
JASON KRETSCHMER

Jan 11, 2023

DEVELOPED BY

RAYMOND JOHNSON

Digitally signed by
RAYMOND R JOHNSON

OFFICE

AJV-A421

DATE

04/12/2022

APPROVED BY

MARLON ROBINSON

Jan 10, 2023
Digitally signed by
JASON KRETSCHMER
Jan 11, 2023

OFFICE

AJV-A420

DATE

TITLE
MANAGER

