

**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.
Ceilings are in feet above airport elevation. Distances are in nautical miles. Visibilities are in statute miles or feet RVR unless otherwise indicated.

<u>Arrival Name</u>	<u>Number</u>	<u>STAR Computer Code</u>	<u>Superseded Number</u>	<u>Dated</u>	<u>Effective Date</u>
GLASR	TWO	GLASR.GLASR2	ONE	09/15/2016	06/15/2023

TRANSITION ROUTES:

Transition Name	Transition Computer Code	From FIX/NAVAID	To FIX/NAVAID	Course	Distance	MEA	MOCA	MAA	Crossing Altitude/Fixes
SPOKANE	GEG.GLASR2	GEG VORTAC	GEG VORTAC						
		GEG VORTAC	TEMPL	264.17 (GEG R-264)	76.00	FL180	9400		
		TEMPL	WITRO	264.17 (GEG R-264)	26.58	FL180	9400		
		WITRO	OD AHL	254.73 (PAE R-075)	26.92	17000	9400		
		OD AHL	GLASR	254.73 (PAE R-075)	16.01	10000	9400		
LOSTT	LOSTT.GLASR2	LOSTT	LOSTT						
		LOSTT	KRUZR	221.56 (SEA R-042)	15.00	FL240	11500		
		KRUZR	GLASR	221.56 (SEA R-042)	28.18	16000	11500		
MULLAN PASS	MLP.GLASR2	MLP VOR/DME	MLP VOR/DME						
		MLP VOR/DME	GEG VORTAC	260.33 & 259.87 (MLP R-260 & GEG R-080)	80.83	FL180	9400		
		GEG VORTAC	TEMPL	264.17 (GEG R-264)	76.00	FL180	9400		
		TEMPL	WITRO	264.17 (GEG R-264)	26.58	FL180	9400		
		WITRO	OD AHL	254.73 (PAE R-075)	26.92	17000	9400		
		OD AHL	GLASR	254.73 (PAE R-075)	16.01	10000	9400		

**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.
Ceilings are in feet above airport elevation. Distances are in nautical miles. Visibilities are in statute miles or feet RVR unless otherwise indicated.

Arrival Name		Number	STAR Computer Code	Superseded Number	Dated	Effective Date
GLASR		TWO	GLASR.GLASR2	ONE	09/15/2016	06/15/2023
TEMPL	TEMPL.GLASR2	TEMPL	TEMPL			
		TEMPL	WITRO	264.17 (GEG R-264)	26.58	FL180 9400
		WITRO	OD AHL	254.73 (PAE R-075)	26.92	17000 9400
		OD AHL	GLASR	254.73 (PAE R-075)	16.01	10000 9400
CRANBROOK	YXC.GLASR2	YXC VOR/DME	YXC VOR/DME			
		YXC VOR/DME	ONSET	229.23 (YXC R-229)	83.27	FL240 11500
		ONSET	LOSTT	229.22 & 221.56 (YXC R-229 & SEA R-042)	100.62	FL240 11500
		LOSTT	KRUZR	221.56 (SEA R-042)	15.00	FL240 11500
		KRUZR	GLASR	221.56 (SEA R-042)	28.18	16000 11500

ARRIVAL ROUTE DESCRIPTION:

FROM GLASR ON PAE R-075 TO JAKSN (MEA 10,000/MOCA 9500), THEN ON SEA R-023 TO WOODI (MEA 10,000/MOCA 6600), THEN ON SEA R-023 TO HETHR (MEA 10,000/MOCA 3800), THENCE...
 ...LANDING NORTH: HEADING 163 FOR VECTORS TO FINAL APPROACH COURSE.
 ...LANDING SOUTH: HEADING 250 FOR VECTORS TO FINAL APPROACH COURSE.
 ...LANDING MCCHORD FIELD: FROM OVER HETHR, PROCEED DIRECT TO SEA VORTAC.
 ...LANDING RENTON MUNI: FROM OVER HETHR, PROCEED DIRECT SEA VORTAC.

PROCEDURAL DATA NOTES:

NOTE: DME AND RADAR REQUIRED.
 NOTE: LANDING NORTH/LANDING SOUTH RESTRICTIONS ARE ISSUED PER THE KSEA FLOW.
 PROP/TURBOPROP:
 CROSS JAKSN AT 10,000 AND AT OR BELOW 250 KIAS, MAINTAIN 10,000.
 TURBOJET:
 LANDING NORTH: CROSS JAKSN AT OR ABOVE 16,000 AND AT 270 KIAS. CROSS WOODI AT OR BELOW 14,000. CROSS HETHR AT 12,000 AND AT 250 KIAS, MAINTAIN 12,000.
 LANDING SOUTH: CROSS JAKSN AT 12,000 AND AT 250 KIAS, MAINTAIN 12,000.
 LANDING KBFI OR KRNT: CROSS JAKSN AT 11,000 AND AT 250 KIAS, MAINTAIN 11,000.

**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.
Ceilings are in feet above airport elevation. Distances are in nautical miles. Visibilities are in statute miles or feet RVR unless otherwise indicated.

<u>Arrival Name</u>	<u>Number</u>	<u>STAR Computer Code</u>	<u>Superseded Number</u>	<u>Dated</u>	<u>Effective Date</u>
GLASR	TWO	GLASR.GLASR2	ONE	09/15/2016	06/15/2023

FIXES AND/OR HOLDING PATTERNS:

CHART HOLDING: LOSTT (HOLD NE, RT, 221.56 INBOUND).
CHART HOLDING: TEMPL (HOLD E, RT, 264.17 INBOUND).
CHART HOLDING: JAKSN (HOLD E, RT, 254.73 INBOUND).

COMMUNICATIONS:

CHART: SEATTLE APPROACH CONTROL.

AIRPORTS SERVED:

AIRPORT NAME	CITY	STATE
KSEA	SEATTLE	WA
KBFI	SEATTLE	WA
KTCM	TACOMA	WA
KRNT	RENTON	WA

LOST COMMUNICATIONS PREFERENCES:

FROM HETHR, PROCEED DIRECT SEA VORTAC.

REMARKS:

ABBREVIATED AMENDMENT.

ADDITIONAL FLIGHT DATA:

CHART: COP'S: GEG-103/PAE-087 AND YXC-171/SEA-108.

**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.
Ceilings are in feet above airport elevation. Distances are in nautical miles. Visibilities are in statute miles or feet RVR unless otherwise indicated.

<u>Arrival Name</u>	<u>Number</u>	<u>STAR Computer Code</u>	<u>Superseded Number</u>	<u>Dated</u>	<u>Effective Date</u>
GLASR	TWO	GLASR.GLASR2	ONE	09/15/2016	06/15/2023

FLIGHT INSPECTED BY:

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

Digitally signed by
Flight Inspected Signature: **ALLAN WILL**
Apr 28, 2023

DEVELOPED BY:

MICHAEL R. GARRITY JR.

AJV-A423

01/06/2023

Digitally signed by
Developed By Signature: **MICHAEL GARRITY**
Mar 20, 2023

APPROVED BY:

ALLAN WILL

AJV-A423

Digitally signed by
Approved By Signature: **ALLAN WILL**
Apr 28, 2023

CHANGES:

1. SPOKANE TRANSITION: CHANGED GEG VORTAC TO TEMPL AND TEMPL TO WITRO SEGMENTS MAG COURSES FROM "257.17 (GEG R-257)" TO "264.17 (GEG R-264)".
2. MULLAN PASS TRANSITION: CHANGED MLP VOR/DME TO GEG VORTAC SEGMENT MAG COURSE FROM "260.33 & 252.87 (MLP R-260 & GEG R-073)" TO "260.33 & 259.87 (MLP R-260 & GEG R-080)". CHANGED GEG VORTAC TO TEMPL AND TEMPL TO WITRO SEGMENTS MAG COURSES FROM "257.17 (GEG R-257)" TO "264.17 (GEG R-264)".
3. TEMPL TRANSITION: CHANGED TEMPL TO WITRO SEGMENT MAG COURSE FROM "257.17 (GEG R-257)" TO "264.17 (GEG R-264)".
4. CHANGED TEMPL HOLDING PATTERN INBOUND COURSE FROM 257.17 TO 264.17.
5. SPOKANE TRANSITION: CHANGED GEG VORTAC TO TEMPL SEGMENT MOCA FROM 5300 TO 9400, TEMPL TO WITRO SEGMENT MOCA FROM 6100 TO 9400, AND WITRO TO ODAHL SEGMENT MOCA FROM 8900 TO 9400.
6. LOSTT TRANSITION: ADDED 11500 TO MOCA FOR LOSTT TO KRUIZR SEGMENT.
7. MULLAN PASS TRANSITION: CHANGED MLP TO GEG SEGMENT MOCA FROM 9100 TO 9400, GEG TO TEMPL SEGMENT MOCA FROM 5300 TO 9400, TEMPL TO WITRO SEGMENT MOCA FROM 6100 TO 9400, AND WITRO TO ODAHL SEGMENT MOCA FROM 8900 TO 9400.
8. TEMPL TRANSITION: CHANGED TEMPL TO WITRO SEGMENT MOCA FROM 6100 TO 9400 AND WITRO TO ODAHL SEGMENT MOCA FROM 8900 TO 9400.
9. CRANBROOK TRANSITION: ADDED 11500 TO MOCA FOR YXC TO ONSET, ONSET TO LOSTT, AND LOSTT TO KRUIZR SEGMENTS.
10. COMMUNICATIONS: REMOVED CHART ATIS FOR ALL AIRPORTS.
11. AIRPORTS SERVED: CHANGED AIRPORT NAME TO AIRPORT ICAO ID FOR ALL AIRPORTS.
12. ADDITIONAL FLIGHT DATA: MOVED "NOTE: LANDING NORTH/LANDING SOUTH RESTRICTIONS ARE ISSUED PER THE KSEA FLOW" FROM ADDITIONAL FLIGHT DATA SECTION TO PROCEDURAL DATA NOTES SECTION.

REASONS:

- 1-4. GEG MAGVAR UPDATED TO 14E 2025.
- 5,7,8. SEGMENT MOCA CAN NOT BE HIGHER THAN PREVIOUS SEGMENT MOCA.
- 6,9. MOCA MUST BE ENTERED FOR ALL ROUTE SEGMENTS PER FAAO 8260.19I, PARA 4-5-12B(8) CRITERIA.
10. NO LONGER REQUIRED - ATIS AUTOMATICALLY CHARTED PER FAAO 8260.19I, PARA 4-5-12F CRITERIA.
11. AIRPORT NAME NO LONGER CHARTED PER FAAO 8260.19I, PARA 4-5-12G CRITERIA.
12. CORRECTED ADMINISTRATIVE ERROR.

04/25/23: THIS IS A CORRECTED COPY OF THE FORM APPROVED ON 03/20/23.

1. CRANBROOK TRANSITION ROUTE: CHANGED KRUIZR TO GLASR COURSE FROM 254.73 TO 221.56



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.
Ceilings are in feet above airport elevation. Distances are in nautical miles. Visibilities are in statute miles or feet RVR unless otherwise indicated.

Arrival Name	Number	STAR Computer Code	Superseded Number	Dated	Effective Date
GLASR	TWO	GLASR.GLASR2	ONE	09/15/2016	06/15/2023

Title:

