

**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</u> ASTORIA RGNL	<u>AIRPORT ID</u> KAST	<u>PROCEDURE NAME</u> ILS RWY 26	<u>ORIGINAL/AMENDMENT</u> 3B	<u>CITY</u> ASTORIA	<u>STATE</u> OR
<u>AIRPORT ELEVATION</u> 14	<u>TDZE</u> 14	<u>SUPERSEDED</u> ILS RWY 26	<u>ORIGINAL/AMENDMENT</u> 3A	<u>DATED</u> 02/05/2015	<u>MAG VAR</u> 15E
<u>FACILITY</u> I-AST	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 19 JULY 2018	<u>REQUIRED EFFECTIVE DATE</u> 07/19/2018	<u>CANCEL SUSPEND</u>	<u>EPOCH YEAR</u> 2020

TERMINAL ROUTES

FROM	FIX TYPE	TO	FIX TYPE	LEG TYPE	FO/FB	RNP	COURSE	DISTANCE	ALTITUDE
AST VOR/DME		ZINKY/AST 19.00 DME					080.96	19.00	5300
PULYI/AST VOR/DME 19.00 DME CW	IAF	ZINKY/AST 19.00 DME	NOPT				19.00 DME ARC (AST LR-074)		4400
ZIGPI/AST 19.00 DME CCW	IAF	ZINKY/AST 19.00 DME	NOPT				19.00 DME ARC (AST LR-087)		4400
ZUNAB/AST VOR/DME 25.47 DME	IAF	ZINKY/AST 19.00 DME					216.00 & 260.50	2.90 (HDG) & 4.37 (I-AST)	4400
ZINKY/AST 19.00 DME	IF/IAF	JUNSA/AST 12.81 DME	PFAF				260.50	6.19 (I-AST)	4000

MISSED APPROACH

MAP:

ILS: DA

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 1500 THEN CLIMBING RIGHT TURN TO 2900 DIRECT AST VOR/DME AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:

PROFILE:

1. PT **SIDE OF COURSE** **OUTBOUND** **FT WITHIN** **MILES OF (IAF)**
2. HOLD E ZINKY/I-AST, RT, 260.50 INBOUND, 4400 FT. IN LIEU OF PT (IAF), MAX 6000.
3. **FAC:** 260.50 **PFAF:** JUNSA/AST 12.81 DME **DIST PFAF TO MAP:** **DIST PFAF TO THLD:**
4. **MIN ALT:** ZINKY/AST 19.00 DME 4400, JUNSA/AST 12.81 DME 4000
5. **DIST TO THLD FROM OM:** **MM:** **IM:** **150 HAT:** **HAT:** **GS ANT:** 1050
6. **MIN GS INCPT:** 4000 **GS ALT AT PFAF :** JUNSA/AST 12.81 DME 4000 **OM:** **MM:** **IM:**
7. **GP ANGLE:** 3.00 **34:1:** IS NOT CLEAR **20:1:** IS CLEAR **TCH:** 55.9
8. **MSA FROM:** AST VOR/DME 004-184 4600, 184-004 3400



EQUIPMENT REQUIREMENTS NOTES

DME REQUIRED FOR PROCEDURE ENTRY.

NOTES:

CHART NOTE: RWY 26 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED.
 CHART NOTE: INOPERATIVE TABLE DOES NOT APPLY.
 CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL ON AST VOR/DME AIRWAY RADIALS 024 CW 099.

ADDITIONAL FLIGHT DATA:

CHART AST R-332 AT PULYI.
 CHART AST R-170 AT ZIGPI.
 HOLD W, RT, 079.00 INBOUND

MINIMUMS:

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

ALTERNATE: NA ILS: STANDARD

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 26	264	1	250	264	1	250	264	1	250	264	1	250			

CHANGES - REASONS

1. ADDED 4 DEGREES TO ALL COURSES RADIALS AND HEADINGS. - AIRPORT, LOCALIZER AND VOR/DME MAGNETIC VARIATION UPDATED FROM 19 E TO 15E.
2. CHANGED HELICOPTER VISIBILITY REDUCTION FROM 1SM TO 3/4 SM. - 20:1 SURFACE IS CLEAR (SEE P-NOTAM 4/6159, AMDT 3A).
3. INCORPORATED CHANGE 3A. - P-NOTAM 4/6159.
4. MOVED BACKUP ALTIMETER AND INOPERATIVE ALS DATA TO 8260-9 GENERAL REMARKS. - FOR CONTINGENCY PURPOSES.
5. RAISED EASTERN SECTOR OF MSA TO 4600 FT. - NEW MAP STUDY (FLIGHT CHECKED WITH COPTER VOR RWY 8).
6. REMOVED CHART (CFLCD) AT INTERSECTION OF ZUNAB DR LEG AND INTERMEDIATE COURSE FROM ADDITIONAL FLT DATA. - CNF NO LONGER REQUIRED.
7. CHANGED ALTERNATE FROM NA TO STANDARD. - USE AS ALTERNATE AUTHORIZED.
8. ADDED CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL ON AST VOR/DME AIRWAY RADIALS 024 CW 099. - TURN ANGLES AT AST VOR/DME TO INITIAL LEG.
9. ADDED EQUIPMENT NOTE: DME REQUIRED FOR PROCEDURE ENTRY. - PROCEDURE REQUIRES DME FOR ALL CHARTED PROCEDURE ENTRIES.

PDF EDITS:

1. REMOVE LEG TYPES FROM TERMINAL RTS.
2. CHANGE V/DME TO VOR/DME IN LINE 4 "FROM" IN TERMINAL ROUTES.
3. ADD 8.5 TO ELEV GS ANTENNA IN PART B.
5. CHANGE MAP TO ARP IN AIRSPACE.
6. ADD (HDG) TO DISTANCE OF LINE 4 OF TERMINAL RTS.



COORDINATED WITH:

A4A ALPA AOPA APA HAI NBAA OTHER: SEA ARTCC, MMV FSS, WESTERN FPT, ARPT MNGR

FLIGHT CHECKED BY

OFFICE

DATE

FLIGHT INSPECTION REVIEW NOT REQUIRED - PROCESSED IAW AIRCRAFT OPERATIONS
GROUP (AJW-333) MEMO, DEC 22, 2017.

Digitally signed by

DEVELOPED BY *Digitally signed by*

DONALD H LANIER OFFICE

DATE

LIAM DONAHUE **LIAM DONAHUE**
May 09, 2018

May 10, 2018 AJV-5431

05/03/2018

APPROVED BY

OFFICE

DATE

TITLE

PATRICK MULQUEEN *Digitally signed by*
DONALD H LANIER
May 10, 2018

AJV-5430

MANAGER

