

# RADIO FIX AND HOLDING DATA RECORD

**NAME:** ASTORIA VOR/DME **STATE:** OR **COUNTRY:** US **ICAO REGION CODE:** K1

**LATITUDE/LONGITUDE:** 460942.11N/1235249.36W **TYPE:**

**AIRSPACE DOCKET:** **FIX TYPE OF ACTION:** NO CHANGE

**FIX MAKE-UP FACILITIES:**

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM FAC NM	MRA FEET	MAA
1	ASTORIA	AST	VOR/DME	L						17500

**EXPANDED SERVICE VOLUME (ESV):**

FAC IDENT ON FILE	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
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**HOLDING:** **HOLDING TYPE OF ACTION:** MODIFY

**PATTERNS:**

PAT	DIR	IDENT	TYPE	RAD/CRS/BRG	CRS INBOUND	TURN (L OR R)	LEG LENGTH TIME	DME	HOLDING ALTITUDES MIN	MAX	TEMPLATES MIN	MAX
1	W	AST	VOR/DME	259.00	079.00	R	1		2300	8000	4	8
2	W	AST	VOR/DME	249.98	069.98	R	1		2000	8000	4	8
3	SE	AST	VOR/DME	119.00	299.00	L	1		3000	8000	4	8

**CONTROLLING OBSTRUCTIONS:**

PAT	AIRSPED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	AAO	461100.14N/1234741.34W	899	2C
2	200	AAO	461100.49N/1234747.71W	850	4A
3	200	AAO	461712.00N/1235345.00W	1565	5E
3	310	AAO	462025.10N/1235222.30W	1915	4E

**REASON FOR NONSTANDARD HOLDING:**

PAT 3 TO ELIMINATE ADDITIONAL AIRSPACE

**HOLDING RESTRICTIONS:**

HOLDING LIMITED TO ESTABLISHED PATTERNS.

**PROCEDURES REQUIRING CLIMB-IN-HOLD:**

PAT	PROCEDURE TITLE	AIRPORT IDENT	CITY	STATE
3	VOR RWY 8	KAST	ASTORIA	OR (US)

**REMARKS:**

PRECIPITOUS TERRAIN EVALUATION COMPLETED.  
ASSIGNED FACILITY MAGVAR: E19/1990.

**FIX USE:**

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	ASTORIA (OBSTACLE)			KAST	ASTORIA	OR (US)
DP	TAKE-OFF MINIMUMS			KAST	ASTORIA	OR (US)
DP	VOR RWY 8		3	KAST	ASTORIA	OR (US)
DP	PORTLAND			KPDX	PORTLAND	OR (US)
DP	SEATTLE			KSEA	SEATTLE	WA (US)
EN ROUTE	V112					(US)
EN ROUTE	V187					(US)
EN ROUTE	V27					(US)
EN ROUTE	V7					(US)
IAP	COPTER LOC RWY 26		1	KAST	ASTORIA	OR (US)
IAP	COPTER VOR RWY 8		2	KAST	ASTORIA	OR (US)
IAP	ILS RWY 26		1	KAST	ASTORIA	OR (US)
IAP	RNAV (GPS) RWY 26			KAST	ASTORIA	OR (US)
IAP	RNAV (GPS) RWY 6			KTDO	TOLEDO	WA (US)

**REQUIRED CHARTING:** DP, IAP, EN ROUTE LOW, CONTROLLER LOW

**COMPULSORY REPORTING POINT:** NO

**RECORD REVISION NUMBER:** 16 **DATE OF REVISION:** 07/19/2018

**REASON FOR REVISION:**

1. ADDED "ASSIGNED FACILITY MAGVAR: E19/1990".
2. FIX USE UPDATE: CHANGED "COPTER VOR/DME OR GPS 066 AT KAST" TO "COPTER VOR RWY 8 AT KAST".
3. CHANGED "COPTER VOR/DME 257 AT KAST" TO "COPTER LOC RWY 26 AT KAST". REMOVED FAC 1 FROM FIX USE.
4. REMOVED AST VOR/DME FROM ESV.
5. REMOVED FAC 1 FROM VOR RWY 8 AND ILS RWY 26 AT KAST FIX USE.
6. ADDED PAT 2 TO COPTER VOR RWY 8 AT KAST.
7. REMOVED PAT 4.
8. CHANGED PAT 2 INBOUND COURSE FROM 066.00 TO 069.98 AND MIN ALTITUDE CHANGED FROM 2900 TO 2000.
9. CHANGED PAT 1 INBOUND COURSE FROM 075.00 TO 079.00 AND MIN ALTITUDE CHANGED FROM 2900 TO 2300.
10. CHANGED PAT 3 INBOUND COURSE FROM 115.00 TO 299.00.
11. CHANGED PAT 2 CONTROLLING OBSTRUCTIONS FROM "461100.14N/1234741.34W, 899" TO "461100.49N/1234747.71W, 850".

**DEVELOPED BY:**            **DATE:** 04/04/2018            **OFFICE:** AJV-5433            **NAME:** DAVID TEFFETELLER (KWEKU DONKOR)

**APPROVED BY:**            **DATE:**            **OFFICE:** AJV-5430            **NAME:** PATRICK MULQUEEN

**SIGNATURE:**

**DISTRIBUTION:**    **NFDC**  
                         **FPO: WST**  
                         **ARTCC: ZSE**  
                         **ATC FACILITY:**  
                         **OTHER: MMV FSS**