

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 FEET	MRA	MAA
1	ASTORIA	AST	VOR/DME	L						17500

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	2400 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	4800 8000	5 13

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	AAO	461100.14N/1234741.34W	899	2C
2	200	AAO	461100.49N/1234747.71W	850	2C
3	200	AAO	460138.35N/1234323.87W	2039	2C
3	310	AAO	455808.00N/1234106.00W	3419	2C

PRECIPITOUS TERRAIN ADDITIONS:

PAT	SPEED	ADDITION
3	310	130

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: E15/2020

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	PORTLAND			KPDJ	PORTLAND	OR (US)
DP	SEATTLE			KSEA	SEATTLE	WA (US)
EN ROUTE	T317					(US)
EN ROUTE	V112					(US)
EN ROUTE	V187					(US)
EN ROUTE	V27					(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	VOR RWY 8		3	KAST	ASTORIA	OR (US)
IAP	RNAV (GPS) RWY 6			KTDO	TOLEDO	WA (US)
OTHER	ZK551 (SPECIAL ROUTE)					(US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 19

DATE OF REVISION: 06/15/2023

REASON FOR REVISION:

AMENDED PAT 3 MIN HOLDING ALTITUDE FROM "3000" TO "4800", MIN TEMPLATE FROM "4" TO "5", AND MAX TEMPLATE FROM "8" TO "13"
AMENDED PAT 3 200 KIAS OBSTACLE DATA FROM 1565 AAO TO 2039 AAO
AMENDED PAT 3 310 KIAS OBSTACLE DATA FROM 1915 AAO TO 3419 AAO

INITIATED BY: **DATE:** **ORGANIZATION:** **NAME:**

OFFICE OF PRIMARY RESPONSIBILITY: AJV-A412 **NAME:** KELLY CARLSON

APPROVED BY:

DATE: 04/20/2023

OFFICE: AJV-A412

NAME: MARK ADAMS

SIGNATURE:

RADIO FIX AND HOLDING DATA RECORD

NAME: JUNSA

STATE: OR

COUNTRY: US

ICAO REGION CODE: K1

LATITUDE/LONGITUDE: 460818.27N/1233430.85W

TYPE: DME

AIRSPACE DOCKET:

FIX TYPE OF ACTION: MODIFY

FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM NM	FAC FEET	MRA	MAA
1	ASTORIA	I-AST	LOC		080.50	095.50		13.24	80423	4000	4500
2	ASTORIA	AST	VOR/DME	L			12.81	12.81		4000	4500

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

REMARKS:

ASTORIA (FAC 1) AND ASTORIA (FAC 2) USED TO ESTABLISH FIX COORDINATES.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE OR (US)
IAP	ILS RWY 26	1, 2		KAST	ASTORIA	

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 2

DATE OF REVISION: 09/13/2018

REASON FOR REVISION:

ADDED FAC 1 MAG BRG 080.50.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

DEVELOPED BY:

DATE: 07/09/2018

OFFICE: AJV-5433

NAME: ANDREA CHANEY

APPROVED BY:

DATE:

OFFICE: AJV-5430

NAME: PATRICK MULQUEEN

SIGNATURE:

DISTRIBUTION:

NFDC
FPO: WST
ARTCC: ZSE
ATC FACILITY:
OTHER:

RADIO FIX AND HOLDING DATA RECORD

NAME: PULYI

STATE: WA

COUNTRY: US

ICAO REGION CODE: K1

LATITUDE/LONGITUDE: 462811.42N/1235905.68W

TYPE: DME

AIRSPACE DOCKET:

FIX TYPE OF ACTION: MODIFY

FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM FAC NM	FAC FEET	MRA	MAA
1	ASTORIA	AST	VOR/DME	L	331.81	346.81	19.00	19.00		3700	17500

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE (US) OR (US)
EN ROUTE	V27					
IAP	ILS RWY 26	1		KAST	ASTORIA	

REQUIRED CHARTING: IAP, EN ROUTE LOW, CONTROLLER LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1

DATE OF REVISION: 07/19/2018

REASON FOR REVISION:

1. CHANGED FAC 1 MAG BRG FROM 327.81 TO 331.81.
2. CHANGED FAC 1 MRA FROM 4400 TO 3700.
3. ADDED "CONTROLLER LOW" TO REQUIRED CHARTING.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

DEVELOPED BY:

DATE: 05/03/2018

OFFICE: AJV-5431

NAME: LIAM DONAHUE

APPROVED BY:

DATE:

OFFICE: AJV-5430

NAME: PATRICK MULQUEEN

SIGNATURE:

DISTRIBUTION:

NFDC
FPO: WST
ARTCC: ZSE
ATC FACILITY:
OTHER:

RADIO FIX AND HOLDING DATA RECORD

NAME: ZIGPI

STATE: OR

COUNTRY: US

ICAO REGION CODE: K1

LATITUDE/LONGITUDE: 455046.22N/1235501.27W

TYPE: DME

AIRSPACE DOCKET:

FIX TYPE OF ACTION: MODIFY

FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM FAC NM	FAC FEET	MRA	MAA
1	ASTORIA	AST	VOR/DME	L	169.64	184.64	19.00	19.00		5000	17500

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE (US) OR (US)
EN ROUTE	V27					
IAP	ILS RWY 26	1		KAST	ASTORIA	

REQUIRED CHARTING: IAP, EN ROUTE LOW, CONTROLLER LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1

DATE OF REVISION: 07/19/2018

REASON FOR REVISION:

1. CHANGE FAC 1 MAG BRG FROM 165.64 TO 169.64.
2. CHANGED FAC 1 MRA FROM 4400 TO 5000.
3. ADDED "CONTROLLER LOW" TO REQUIRED CHARTING.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

DEVELOPED BY:

DATE: 05/03/2018

OFFICE: AJV-5431

NAME: LIAM DONAHUE

APPROVED BY:

DATE:

OFFICE: AJV-5430

NAME: PATRICK MULQUEEN

SIGNATURE:

DISTRIBUTION:

NFDC
FPO: WST
ARTCC: ZSE
ATC FACILITY:
OTHER:

RADIO FIX AND HOLDING DATA RECORD

NAME: ZINKY

STATE: OR

COUNTRY: US

ICAO REGION CODE: K1

LATITUDE/LONGITUDE: 460740.62N/1232539.21W

TYPE: DME

AIRSPACE DOCKET:

FIX TYPE OF ACTION: MODIFY

FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM FAC NM	MRA	MAA
1	ASTORIA	I-AST	LOC/DME	L	080.50	095.50		19.43	4400	6500
2	ASTORIA	AST	VOR/DME	L			19.00	19.00	4400	6500

EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
I-AST	LOC/DME	R-081	24	4400	6500

HOLDING:

HOLDING TYPE OF ACTION: MODIFY

PATTERNS:

PAT	DIR	IDENT	TYPE	RAD/CRS/BRG	CRS INBOUND	TURN (L OR R)	LEG LENGTH TIME	HOLDING ALTITUDES DME	MIN	MAX	MIN	MAX
1	E	I-AST	LOC/DME	080.50	260.50	R	1		4400	6000	6	6

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	AAO	460511.20N/1232730.96W	3227	6A

PRECIPITOUS TERRAIN ADDITIONS:

PAT	SPEED	ADDITION
1	200	133

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERN.

REMARKS:

ASTORIA (FAC 1) AND ASTORIA (FAC 2) USED TO ESTABLISH FIX COORDINATES.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE OR (US)
IAP	ILS RWY 26	1, 2	1	KAST	ASTORIA	

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1

DATE OF REVISION: 07/19/2018

REASON FOR REVISION:

1. CHANGED FAC 1 MAG BRG FROM 076.50 TO 080.50.
2. CHANGED HOLDING PATTERN 1 RAD/CRS/BRG FROM 076.50 TO 080.50 AND CRS INBOUND FROM 256.50 TO 260.50.
3. CHANGED ESV RADIAL FROM R-077 TO R-081.
4. CHANGED FAC 2 MAA FROM 17500 TO 6500.
5. CHANGED HOLDING PATTERN 1 LEG LENGTH FROM 5DME TO 1 MIN.
6. ADDED ASTORIA (FAC 1) AND ASTORIA (FAC 2) USED TO ESTABLISH FIX COORDINATES TO REMARKS.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

DEVELOPED BY:

DATE: 05/03/2018

OFFICE: AJV-5431

NAME: LIAM DONAHUE

APPROVED BY:

DATE:

OFFICE: AJV-5430

NAME: PATRICK MULQUEEN

SIGNATURE:

DISTRIBUTION:

NFDC
FPO: WST
ARTCC: ZSE
ATC FACILITY:
OTHER:

RADIO FIX AND HOLDING DATA RECORD

NAME: ZUNAB

STATE: OR

COUNTRY: US

ICAO REGION CODE: K1

LATITUDE/LONGITUDE: 460902.40N/1231612.00W

TYPE: DME

AIRSPACE DOCKET:

FIX TYPE OF ACTION: MODIFY

FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM FAC NM	FAC FEET	MRA	MAA
1	ASTORIA	AST	VOR/DME	L	076.27	091.27	25.47	25.47		4400	17500

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	ILS RWY 26	1		KAST	ASTORIA	OR (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 2

DATE OF REVISION: 07/19/2018

REASON FOR REVISION:

1. CHANGED FAC 1 MAG BRG FROM 072.27 TO 076.27.
2. DELETED WP FROM FIX TYPE.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

DEVELOPED BY:

DATE: 05/03/2018

OFFICE: AJV-5431

NAME: LIAM DONAHUE

APPROVED BY:

DATE:

OFFICE: AJV-5430

NAME: PATRICK MULQUEEN

SIGNATURE:

DISTRIBUTION:

NFDC
FPO: WST
ARTCC: ZSE
ATC FACILITY:
OTHER: