

RADIO FIX AND HOLDING DATA RECORD

NAME: CSMOS

STATE: AK

COUNTRY: US

ICAO REGION CODE: P

LATITUDE/LONGITUDE: 594034.90N/1432931.48W

TYPE: WP

AIRSPACE DOCKET: 23-AAL-28

FIX TYPE OF ACTION: ESTABLISH

HOLDING:

HOLDING TYPE OF ACTION:

FIX USE:

USE TYPE
EN ROUTE

USE TITLE
Q801

FAC

PAT

AIRPORT IDENT

CITY

STATE
(US)

REQUIRED CHARTING: EN ROUTE HIGH, CONTROLLER HIGH

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG

DATE OF REVISION: 10/31/2024

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

NAME: BARRY SMITH

APPROVED BY:

DATE: 10/31/2024

OFFICE: AJV-A423

NAME: ALLAN WILL

SIGNATURE: *Digitally signed by*
DAVID DANNER
May 23, 2024

QUALITY
25
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: ECTOF

STATE: OR

COUNTRY: US

ICAO REGION CODE: K1

LATITUDE/LONGITUDE: 441049.55N/1231857.87W

TYPE: WP

AIRSPACE DOCKET: 23-AAL-28

FIX TYPE OF ACTION: ESTABLISH

HOLDING:

HOLDING TYPE OF ACTION:

FIX USE:

USE TYPE
EN ROUTE
EN ROUTE

USE TITLE
Q1
Q801

FAC PAT AIRPORT IDENT CITY

STATE
(US)
(US)

REQUIRED CHARTING: EN ROUTE HIGH, CONTROLLER HIGH

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG

DATE OF REVISION: 10/31/2024

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A423

NAME: BARRY SMITH

APPROVED BY:

DATE: 10/31/2024

OFFICE: AJV-A423

NAME: ALLAN WILL

SIGNATURE: *Digitally signed by*
DAVID DANNER
May 23, 2024



RADIO FIX AND HOLDING DATA RECORD

NAME: EEVER

STATE: AK

COUNTRY: US

ICAO REGION CODE: PA

LATITUDE/LONGITUDE: 543501.79N/1330554.23W

TYPE: WP, INT, DME

AIRSPACE DOCKET: 23-AAL-28

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 | SANDSPIT | YZP | VOR/DME | | 311.73 | 330.73 | 92.21 | 92.21 | | 12000 | 45000 |
| 2 | ANNETTE ISLAND | ANN | VOR/DME | H | 221.12 | 242.12 | | 60.03 | | 12000 | 45000 |

EXPANDED SERVICE VOLUME (ESV):

| FAC IDENT | FAC TYPE | RADIAL/BEARING | DISTANCE | MIN ALTITUDE | MAX ALTITUDE |
|-----------|----------|----------------|----------|--------------|--------------|
| ANN | VOR/DME | R-221 | 61 | 12000 | 14700 |

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

REMARKS:

SANDSPIT (FAC 1) AND ANNETTE ISLAND (FAC 2) USED TO ESTABLISH FIX COORDINATES.
FIX EEVER PLACED ON U.S. BORDER BOUNDARY.

FIX USE:

| USE TYPE | USE TITLE | FAC | PAT | AIRPORT IDENT | CITY | STATE |
|----------|-----------|------|-----|---------------|------|-------|
| EN ROUTE | J501 | 1, 2 | | | | (US) |
| EN ROUTE | Q801 | | | | | (US) |
| EN ROUTE | T719 | | | | | (US) |
| EN ROUTE | V440 | 1, 2 | | | | (US) |

REQUIRED CHARTING: EN ROUTE LOW, EN ROUTE HIGH, CONTROLLER LOW, CONTROLLER HIGH

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1

DATE OF REVISION: 10/31/2024

REASON FOR REVISION:

AIRSPACE DOCKET: CHANGED 21-AAL-40 TO 23-AAL-28.
FIX USE: ADDED Q801.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A423

NAME: BARRY SMITH

APPROVED BY:

DATE: 10/31/2024

OFFICE: AJV-A423

NAME: ALLAN WILL

SIGNATURE:

Digitally signed by

DAVID DANNER

May 23, 2024

QUALITY
25
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: FELIX

STATE: OR

COUNTRY: US

ICAO REGION CODE: K1

LATITUDE/LONGITUDE: 431913.98N/1230539.51W

TYPE: WP

AIRSPACE DOCKET: 23-AAL-28

FIX TYPE OF ACTION: ESTABLISH

HOLDING:

HOLDING TYPE OF ACTION:

FIX USE:

USE TYPE
EN ROUTE
EN ROUTE

USE TITLE
Q3
Q801

FAC PAT AIRPORT IDENT CITY

STATE
(US)
(US)

REQUIRED CHARTING: EN ROUTE HIGH, CONTROLLER HIGH

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG

DATE OF REVISION: 10/31/2024

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A423

NAME: BARRY SMITH

APPROVED BY:

DATE: 10/31/2024

OFFICE: AJV-A423

NAME: ALLAN WILL

SIGNATURE: *Digitally signed by*
DAVID DANNER
May 23, 2024

QUALITY
25
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: HARPR

STATE: OR

COUNTRY: US

ICAO REGION CODE: K1

LATITUDE/LONGITUDE: 422850.00N/1225301.54W

TYPE: WP

AIRSPACE DOCKET: 23-AAL-28

FIX TYPE OF ACTION: NO CHANGE

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

FIX USE:

USE TYPE
DP
EN ROUTE
EN ROUTE

USE TITLE
BERNI (RNAV)
Q5
Q801

FAC

PAT

AIRPORT IDENT
KHIO

CITY
PORTLAND

STATE
OR (US)
(US)
(US)

REQUIRED CHARTING: DP, EN ROUTE HIGH, CONTROLLER HIGH

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 2

DATE OF REVISION: 10/31/2024

REASON FOR REVISION:

AIRSPACE DOCKET: ADDED 23-AAL-28.
FIX USE: ADDED Q801.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A423

NAME: BARRY SMITH

APPROVED BY:

DATE: 10/31/2024

OFFICE: AJV-A423

NAME: ALLAN WILL

SIGNATURE:

Digitally signed by

DAVID DANNER

May 23, 2024



RADIO FIX AND HOLDING DATA RECORD

NAME: MACIE

STATE: AK

COUNTRY: US

ICAO REGION CODE: PA

LATITUDE/LONGITUDE: 574338.87N/1375047.74W

TYPE: WP

AIRSPACE DOCKET: 23-AAL-28

FIX TYPE OF ACTION: ESTABLISH

HOLDING:

HOLDING TYPE OF ACTION:

FIX USE:

USE TYPE
EN ROUTE

USE TITLE
Q801

FAC

PAT

AIRPORT IDENT

CITY

STATE
(US)

REQUIRED CHARTING: EN ROUTE HIGH, CONTROLLER HIGH

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG

DATE OF REVISION: 10/31/2024

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A423

NAME: BARRY SMITH

APPROVED BY:

DATE: 10/31/2024

OFFICE: AJV-A423

NAME: ALLAN WILL

SIGNATURE:

Digitally signed by

DAVID DANNER

May 23, 2024



RADIO FIX AND HOLDING DATA RECORD

NAME: TATOOSH VORTAC

STATE: WA

COUNTRY: US

ICAO REGION CODE: K1

LATITUDE/LONGITUDE: 481759.64N/1243737.36W

TYPE:

AIRSPACE DOCKET: 23-AAL-28

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 | TATOOSH | TOU | VORTAC | VH | | | | | | | 45000 |

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

FIX USE:

| USE TYPE | USE TITLE | FAC | PAT | AIRPORT IDENT | CITY | STATE |
|----------|------------------|-----|-----|---------------|--------------|---------|
| DP | PORTLAND | | | KPDY | PORTLAND | OR (US) |
| DP | YELM | | | KOLM | OLYMPIA | WA (US) |
| DP | SEATTLE | | | KSEA | SEATTLE | WA (US) |
| EN ROUTE | J501 | | | | | (US) |
| EN ROUTE | J523 | | | | | (US) |
| EN ROUTE | J54 | | | | | (US) |
| EN ROUTE | Q801 | | | | | (US) |
| EN ROUTE | T257 | | | | | (US) |
| EN ROUTE | T268 | | | | | (US) |
| EN ROUTE | V4 | | | | | (US) |
| IAP | ILS OR LOC RWY 9 | | | KCLM | PORT ANGELES | WA (US) |
| STAR | JAWBN | | | KBFI | SEATTLE | WA (US) |
| STAR | JAWBN | | | KSEA | SEATTLE | WA (US) |
| STAR | MARNR (RNAV) | | | KSEA | SEATTLE | WA (US) |
| STAR | ARRIE | | | KTCM | TACOMA | WA (US) |
| STAR | JAWBN | | | KTCM | TACOMA | WA (US) |

REQUIRED CHARTING: DP, STAR, IAP, EN ROUTE LOW, EN ROUTE HIGH, CONTROLLER LOW, CONTROLLER HIGH

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 9

DATE OF REVISION: 10/31/2024

REASON FOR REVISION:

AIRSPACE DOCKET: ADDED 23-AAL-28.
FIX USE: ADDED Q801.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A423

NAME: BARRY SMITH

APPROVED BY:

DATE: 10/31/2024

OFFICE: AVJ-A423

NAME: ALLAN WILL

SIGNATURE:

Digitally signed by

DAVID DANNER

May 23, 2024



RADIO FIX AND HOLDING DATA RECORD

NAME: WAPTO

STATE: WA

COUNTRY: US

ICAO REGION CODE: K1

LATITUDE/LONGITUDE: 472819.54N/1241350.38W

TYPE: WP, DME

AIRSPACE DOCKET: 23-AAL-28

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 | TATOOSH | TOU | VORTAC | VH | 140.00 | 162.00 | 52.21 | 52.21 | | 18000 | 45000 |
| 2 | HOQUIAM | HQM | VORTAC | VH | 335.00 | 354.00 | 31.69 | 31.69 | | 18000 | 45000 |

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

REMARKS:

TATOOSH (FAC 1) USED TO ESTABLISH FIX COORDINATES.

FIX USE:

| USE TYPE | USE TITLE | FAC | PAT | AIRPORT IDENT | CITY | STATE |
|----------|-----------|------|-----|---------------|------|-------|
| EN ROUTE | J501 | 1, 2 | | | | (US) |
| EN ROUTE | Q801 | | | | | (US) |
| EN ROUTE | T257 | | | | | (US) |

REQUIRED CHARTING: EN ROUTE LOW, EN ROUTE HIGH, CONTROLLER LOW, CONTROLLER HIGH

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 3

DATE OF REVISION: 10/31/2024

REASON FOR REVISION:

AIRSPACE DOCKET: CHANGED 16-AWP-01 TO 23-AAL-28.

FIX MAKE-UP FACILITIES: CHANGED FAC 1 (TOU) AND FAC 2 (HQM) CLASS FROM H TO VH.

REMARKS: REMOVED CHART IN BLUE ON EN ROUTE LOW AS WP ONLY - CHARTING WILL NOT/DID NOT COMPLY. ADDED FIX COORDINATES REMARK.

FIX USE: ADDED Q801.

REQUIRED CHARTING: CHANGED CONTROLLER TO CONTROLLER LOW AND CONTROLLER HIGH.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A423

NAME: BARRY SMITH

APPROVED BY:

DATE: 10/31/2024

OFFICE: AJV-A423

NAME: ALLAN WILL

SIGNATURE:

Digitally signed by

DAVID DANNER

May 23, 2024

QUALITY
25
CHECKED