

**FEDERAL AVIATION ADMINISTRATION
FLIGHT STANDARDS SERVICE
GRAPHIC DEPARTURE PROCEDURES (DP)**

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>DP NAME</u> | <u>NUMBER</u> | <u>DP COMPUTER CODE</u> | <u>SUPERSEDED NUMBER</u> | <u>DATED</u> | <u>EFFECTIVE DATE</u> |
|----------------|---------------|-------------------------|--------------------------|--------------|-----------------------|
| ATOME | ONE | ATOME1.ATOME | NONE | | |

| <u>TYPE:</u> | <u>OBSTACLE</u> | <u>COPTER</u> | <u>SID</u> | <u>SPECIAL</u> | <u>RNAV</u> |
|--------------|--------------------------|--------------------------|-------------------------------------|--------------------------|-------------------------------------|
| | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |

DP ROUTE DESCRIPTION:

SEATTLE-TACOMA INTL:
TAKEOFF RWY 34C: CLIMB ON HEADING 343.34 TO 940, THEN DIRECT NESOE, THEN ON TRACK 343.34 TO CROSS WUREL AT OR ABOVE 3100, THEN ON TRACK 308.48 TO CROSS ATOME AT OR ABOVE 5000, THENCE...
TAKEOFF RWY 34L: CLIMB ON HEADING 343.33 TO 940, THEN DIRECT CUSBU, THEN ON TRACK 348.02 TO CROSS WUREL AT OR ABOVE 3100, THEN ON TRACK 308.48 TO CROSS ATOME AT OR ABOVE 5000, THENCE...
TAKEOFF RWY 34R: CLIMB ON HEADING 343.34 TO 940, THEN DIRECT DODVE, THEN ON TRACK 341.13 TO CROSS WUREL AT OR ABOVE 3100, THEN ON TRACK 308.48 TO CROSS ATOME AT OR ABOVE 5000, THENCE...
. . .ON (TRANSITION). MAINTAIN 15000, EXPECT CLEARANCE TO FILED ALTITUDE WITHIN 5 MINUTES AFTER DEPARTURE

TRANSITION ROUTES (GRAPHIC DEPICTION ONLY):

| <u>TRANSITION NAME</u> | <u>TRANSITION COMPUTER CODE</u> | <u>FROM FIX/NAVAID</u> | <u>TO FIX/NAVAID</u> | <u>COURSE</u> | <u>DISTANCE</u> | <u>MEA</u> | <u>MOCA</u> | <u>CROSSING ALTITUDE/FIXES</u> |
|------------------------|---------------------------------|------------------------|----------------------|---------------|-----------------|------------|-------------|--------------------------------|
| ALDER | ATOME1.ALDER | ATOME | BREMM | TRACK 262.96 | 04.33 | 4500 | 3100 | |
| | | BREMM | ORCHO | TRACK 208.81 | 04.59 | 5600 | 2800 | ORCHO AT/BELOW 9000 |
| | | ORCHO | DRUMR | TRACK 209.08 | 05.00 | 6900 | 3000 | |
| | | DRUMR | GIGHR | TRACK 148.72 | 09.16 | 9100 | 2900 | GIGHR AT/ABOVE 14000 |
| | | GIGHR | GIRTE | TRACK 147.74 | 04.77 | 9600 | 3000 | |
| | | GIRTE | ALDER | TRACK 151.47 | 28.34 | 12500 | 6100 | |
| ALPSE | ATOME1.ALPSE | ATOME | CENEX | TRACK 280.20 | 04.31 | 4500 | 3100 | |
| | | CENEX | KTSAP | TRACK 341.29 | 06.70 | 6200 | 2800 | |
| | | KTSAP | GOOBI | TRACK 014.41 | 02.00 | 6700 | 3000 | GOOBI AT/BELOW 9000 |
| | | GOOBI | BEARB | TRACK 014.43 | 04.52 | 7800 | 3000 | BEARB AT/ABOVE 10000 |
| | | BEARB | ALPSE | TRACK 014.47 | 22.71 | 10900 | 5500 | |
| ARRIE | ATOME1.ARRIE | ATOME | BREMM | TRACK 262.96 | 04.33 | 4500 | 3100 | |



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| DP NAME | | | NUMBER | DP COMPUTER CODE | SUPERSEDED NUMBER | | DATED | EFFECTIVE DATE |
|----------------|--------------|-------|---------------|-------------------------|--------------------------|-------|--------------|-----------------------|
| ATOME | | | ONE | ATOME1.ATOME | NONE | | | |
| | | BREMM | ZUMBI | TRACK 257.58 | 06.07 | 6000 | 2800 | ZUMBI AT/BELOW 9000 |
| | | ZUMBI | KIMSH | TRACK 257.64 | 05.00 | 7200 | 3800 | KIMSH AT/ABOVE 10000 |
| | | KIMSH | BANGR | TRACK 257.55 | 07.11 | 9000 | 5500 | |
| | | BANGR | ARRIE | TRACK 285.17 | 26.76 | 11600 | 10000 | |
| | | | | | | | | |
| BANDR | ATOME1.BANDR | ATOME | CENEX | TRACK 280.20 | 04.31 | 4500 | 3100 | |
| | | CENEX | KTSAP | TRACK 341.29 | 06.70 | 6200 | 2800 | |
| | | KTSAP | GOOBI | TRACK 014.41 | 02.00 | 6700 | 3000 | GOOBI AT/BELOW 9000 |
| | | GOOBI | BEARB | TRACK 014.43 | 04.52 | 7800 | 3000 | BEARB AT/ABOVE 10000 |
| | | BEARB | RAYNG | TRACK 089.50 | 06.40 | 9200 | 2900 | RAYNG AT/ABOVE 13000 |
| | | RAYNG | JESSP | TRACK 110.26 | 07.65 | 10000 | 2900 | JESSP AT/ABOVE 15000 |
| | | JESSP | BANDR | TRACK 123.18 | 37.28 | 13700 | 7800 | |
| | | | | | | | | |
| BUWZO | ATOME1.BUWZO | ATOME | BREMM | TRACK 262.96 | 04.33 | 4500 | 3100 | |
| | | BREMM | ORCHO | TRACK 208.81 | 04.59 | 5600 | 2800 | ORCHO AT/BELOW 9000 |
| | | ORCHO | DRUMR | TRACK 209.08 | 05.00 | 6900 | 3000 | |
| | | DRUMR | GIGHR | TRACK 148.72 | 09.16 | 9100 | 2900 | GIGHR AT/ABOVE 14000 |
| | | GIGHR | GIRTE | TRACK 147.74 | 04.77 | 9600 | 3000 | |
| | | GIRTE | BUWZO | TRACK 136.45 | 22.26 | 11400 | 4600 | |
| | | | | | | | | |
| ERAVE | ATOME1.ERAVE | ATOME | BREMM | TRACK 262.96 | 04.33 | 4500 | 3100 | |

QUALITY
3
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| DP NAME | | | NUMBER | DP COMPUTER CODE | SUPERSEDED NUMBER | | DATED | EFFECTIVE DATE |
|----------------|--------------|-------|---------------|-------------------------|--------------------------|-------|--------------|-----------------------|
| ATOME | | | ONE | ATOME1.ATOME | NONE | | | |
| | | BREMM | ORCHO | TRACK 208.81 | 04.59 | 5600 | 2800 | ORCHO AT/BELOW 9000 |
| | | ORCHO | DRUMR | TRACK 209.08 | 05.00 | 6900 | 3000 | |
| | | DRUMR | HAROB | TRACK 209.02 | 22.89 | 10000 | 4100 | HAROB AT/ABOVE 10000 |
| | | HAROB | FEPOT | TRACK 199.84 | 12.18 | 11200 | 4200 | |
| | | FEPOT | ERAVE | TRACK 199.23 | 12.72 | 12400 | 4900 | |
| | | | | | | | | |
| FEPOT | ATOME1.FEPOT | ATOME | BREMM | TRACK 262.96 | 04.33 | 4500 | 3100 | |
| | | BREMM | ORCHO | TRACK 208.81 | 04.59 | 5600 | 2800 | ORCHO AT/BELOW 9000 |
| | | ORCHO | DRUMR | TRACK 209.08 | 05.00 | 6900 | 3000 | |
| | | DRUMR | HAROB | TRACK 209.02 | 22.89 | 10000 | 4100 | HAROB AT/ABOVE 10000 |
| | | HAROB | FEPOT | TRACK 199.84 | 12.18 | 11200 | 4200 | |
| | | | | | | | | |
| HOQUIAM | ATOME1.HQM | ATOME | BREMM | TRACK 262.96 | 04.33 | 4500 | 3100 | |
| | | BREMM | ORCHO | TRACK 208.81 | 04.59 | 5600 | 2800 | ORCHO AT/BELOW 9000 |
| | | ORCHO | DRUMR | TRACK 209.08 | 05.00 | 6900 | 3000 | |
| | | DRUMR | HAROB | TRACK 209.02 | 22.89 | 10000 | 4100 | HAROB AT/ABOVE 10000 |
| | | HAROB | HQM VORTAC | TRACK 232.03 | 48.80 | 14800 | 3600 | |
| | | | | | | | | |
| NORMY | ATOME1.NORMY | ATOME | CENEX | TRACK 280.20 | 04.31 | 4500 | 3100 | |
| | | CENEX | KTSAP | TRACK 341.29 | 06.70 | 6200 | 2800 | |
| | | KTSAP | GOOBI | TRACK 014.41 | 02.00 | 6700 | 3000 | GOOBI AT/BELOW 9000 |

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|----------------|--------------|-------|---------------|-------------------------|--------------------------|-------|--------------|-----------------------|
| ATOME | | | ONE | ATOME1.ATOME | NONE | | | |
| | | GOOBI | BEARB | TRACK 014.43 | 04.52 | 7800 | 3000 | BEARB AT/ABOVE 10000 |
| | | BEARB | RAYNG | TRACK 089.50 | 06.40 | 9200 | 2900 | RAYNG AT/ABOVE 13000 |
| | | RAYNG | JESSP | TRACK 110.26 | 07.65 | 10000 | 2900 | JESSP AT/ABOVE 15000 |
| | | JESSP | NORMY | TRACK 124.85 | 23.42 | 12300 | 7800 | |
| | | | | | | | | |
| PAINE | ATOME1.PAE | ATOME | CENEX | TRACK 280.20 | 04.31 | 4500 | 3100 | |
| | | CENEX | KTSAP | TRACK 341.29 | 06.70 | 6200 | 2800 | |
| | | KTSAP | GOOBI | TRACK 014.41 | 02.00 | 6700 | 3000 | GOOBI AT/BELOW 9000 |
| | | GOOBI | BEARB | TRACK 014.43 | 04.52 | 7800 | 3000 | BEARB AT/ABOVE 10000 |
| | | BEARB | PAE VOR/DME | TRACK 024.91 | 06.08 | 9100 | 2900 | |
| | | | | | | | | |
| SUMMA | ATOME1.SUMMA | ATOME | BREMM | TRACK 262.96 | 04.33 | 4500 | 3100 | |
| | | BREMM | ORCHO | TRACK 208.81 | 04.59 | 5600 | 2800 | ORCHO AT/BELOW 9000 |
| | | ORCHO | DRUMR | TRACK 209.08 | 05.00 | 6900 | 3000 | |
| | | DRUMR | GIGHR | TRACK 148.72 | 09.16 | 9100 | 2900 | GIGHR AT/ABOVE 14000 |
| | | GIGHR | GIRTE | TRACK 147.74 | 04.77 | 9600 | 3000 | |
| | | GIRTE | SUMMA | TRACK 132.73 | 46.22 | 14200 | 7900 | |
| | | | | | | | | |
| ZADON | ATOME1.ZADON | ATOME | CENEX | TRACK 280.20 | 04.31 | 4500 | 3100 | |
| | | CENEX | KTSAP | TRACK 341.29 | 06.70 | 6200 | 2800 | |
| | | KTSAP | GOOBI | TRACK 014.41 | 02.00 | 6700 | 3000 | GOOBI AT/BELOW 9000 |



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|----------------|-------|---------------|-------------------------|--------------------------|-------|--------------|-------------------------|
| ATOME | | ONE | ATOME1.ATOME | NONE | | | |
| | GOOBI | BEARB | TRACK 014.43 | 04.52 | 7800 | 3000 | BEARB AT/ABOVE 10000 |
| | BEARB | RAYNG | TRACK 089.50 | 06.40 | 9200 | 2900 | RAYNG AT/ABOVE 13000 |
| | RAYNG | JESSP | TRACK 110.26 | 07.65 | 10000 | 2900 | JESSP AT/ABOVE 15000 |
| | JESSP | ZADON | TRACK 110.30 | 17.25 | 11700 | 7400 | |

PROCEDURAL DATA NOTES:

NOTE: RNAV 1

NOTE: RADAR REQUIRED FOR NON-GPS EQUIPPED AIRCRAFT.

NOTE: DME/DME/IRU OR GPS REQUIRED.

NOTE: PROCEDURE AVAILABLE FROM 2200 TO 0600 LOCAL.

NOTE: FOR NON-GPS EQUIPPED AIRCRAFT USING PAE, ALPSE, ARRIE, ZADON OR NORMY TRANSITIONS, PAE VOR/DME MUST BE OPERATIONAL.

NOTE: FOR NON-GPS EQUIPPED AIRCRAFT USING BANDR TRANSITION, OLM VORTAC AND PAE VOR/DME MUST BE OPERATIONAL.

TAKEOFF MINIMUMS:

RWY 34L/C/R-STANDARD WITH MINIMUM CLIMB OF 500 FT PER NM TO 940, THEN MINIMUM CLIMB OF 260 FT PER NM TO 9000.

TAKEOFF OBSTACLES NOTES:

NOTE: RWY 34L: FENCE 189 FT FROM DER, 401 FT RIGHT OF CENTERLINE, UP TO 12 FT AGL/420 FT MSL. TREES BEGINNING 4010 FT FROM DER, 857 FT LEFT OF CENTERLINE, UP TO 100 FT AGL/522 FT MSL.

CONTROLLING OBSTACLES:

RWY 34 L/C/R: 7957 FT MSL AAO 474622.14N/1230738.40W

LOST COMMUNICATIONS PROCEDURES:

ADDITIONAL FLIGHT DATA:

CHART: TOP ALTITUDE: 15000.

DME/DME ASSESSMENT: SAT (RNP 2.0)

REFERENCE MAG VAR: KSEA 17E EPOCH YR: 2010

AIRPORTS SERVED:

| <u>AIRPORT NAME</u> | <u>CITY</u> | <u>STATE</u> |
|---------------------|-------------|--------------|
| SEATTLE-TACOMA INTL | SEATTLE | WA |

COMMUNICATIONS:

ATIS, CLNC DEL, DEP CON

FIXES AND/OR NAVAIDS:

REMARKS:

PER ATC: DO NOT CHART MOCA FOR ANY SEGMENTS.

QUALITY
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|----------------|---------------|-------------------------|--------------------------|--------------|-----------------------|
| ATOME | ONE | ATOME1.ATOME | NONE | | |

CLIMB GRADIENT 260 FT PER NM TO 9000 FOR ARRIE TRANSITION DUE TO OBSTACLES. INCORPORATED INTO ALL SEGMENTS FOR CODING.
MOUNTAINOUS TERRAIN ROC APPLIED.

FLIGHT INSPECTED BY:

OFFICE SYMBOL:

DATE:

DEVELOPED BY: *Digitally signed by*
DEANNA FIELDS **DEANNA M FIELDS**
Mar 28, 2017

OFFICE SYMBOL:

DATE:

AJV-5432

02/28/2017

APPROVED BY:

PATRICK MULQUEEN

OFFICE SYMBOL:

DATE:

AJV-5430

REQUIRED EFFECTIVE DATE:

ROUTINE

COORDINATED WITH:

| <u>A4A</u> | <u>ALPA</u> | <u>AOPA</u> | <u>APA</u> | <u>HAI</u> | <u>NBAA</u> |
|--------------------------|-------------------------------------|-------------------------------------|-------------------------------------|--------------------------|-------------------------------------|
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |

OTHER:

KSEA ATCT, APCH CON, ZSE ARTCC, WESTERN FPO

CHANGES - REASONS:



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|-------------------|------------------------|---------------|--------------|-------------------------|-----------|--------------------------|-----------------|--------------|--|
| ATOME | | ONE | | ATOME1.ATOME | | NONE | | | |
| <u>FIX/NAVAID</u> | <u>LAT/LONG</u> | <u>C</u> | <u>FO/FB</u> | <u>LEG TYPE</u> | <u>TC</u> | <u>DIST (NM)</u> | <u>ALTITUDE</u> | <u>SPEED</u> | <u>REMARKS</u> |
| RW34C (AER) | 472616.69N/1221840.36W | N | - | - | - | - | | | |
| 940 MSL | - | - | - | VA | 000.34 | - | | | CG 500 FT PER NM TO 940, THEN CG 260 FT PER NM TO 9000 |
| NESOE | 472955.64N/1221838.45W | Y | FB | DF | - | - | | | |
| WUREL | 473319.52N/1221836.66W | Y | FB | TF | 000.34 | 03.40 | AT/ABOVE 3100 | | |
| | | | | | | | | | |
| RW34L (AER) | 472625.92N/1221905.01W | N | - | - | - | - | | | |
| 940 MSL | - | - | - | VA | 000.33 | - | | | CG 500 FT PER NM TO 940, THEN CG 260 FT PER NM TO 9000 |
| CUSBU | 472954.68N/1221903.23W | Y | FB | DF | - | - | | | |
| WUREL | 473319.52N/1221836.66W | Y | FB | TF | 005.02 | 03.43 | AT/ABOVE 3100 | | |
| | | | | | | | | | |
| RW34R (AER) | 472552.22N/1221828.94W | N | - | - | - | - | | | |
| 940 MSL | - | - | - | VA | 000.34 | - | | | CG 500 FT PER NM TO 940, THEN CG 260 FT PER NM TO 9000 |
| DODVE | 472955.59N/1221826.80W | Y | FB | DF | - | - | | | |
| WUREL | 473319.52N/1221836.66W | Y | FB | TF | 358.13 | 03.40 | AT/ABOVE 3100 | | |
| | | | | | | | | | |
| WUREL | 473319.52N/1221836.66W | Y | - | IF | - | - | AT/ABOVE 3100 | | |
| ATOME | 473627.23N/1222147.61W | Y | FB | TF | 325.48 | 03.80 | AT/ABOVE 5000 | | |
| | | | | | | | | | |
| ATOME | 473627.23N/1222147.61W | Y | - | IF | - | - | AT/ABOVE 5000 | ATOME1.ALDER | |
| BREMM | 473712.00N/1222806.00W | Y | FB | TF | 279.96 | 04.33 | | | |
| ORCHO | 473400.02N/1223257.68W | Y | FB | TF | 225.81 | 04.59 | AT/BELOW 9000 | | |
| DRUMR | 473031.92N/1223816.44W | Y | FB | TF | 226.08 | 05.00 | | | |

QUALITY
3
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|------------|------------------------|---|-------|----------|--------|-----------|----------------|------------------|-------------------|---------|----------------|
| ATOME | | | | | | | ONE | ATOME1.ATOME | NONE | | |
| FIX/NAVAID | LAT/LONG | C | FO/FB | LEG TYPE | TC | DIST (NM) | ALTITUDE | SPEED | | REMARKS | |
| GIGHR | 472139.61N/1223456.99W | Y | FB | TF | 165.72 | 09.16 | AT/ABOVE 14000 | | | | |
| GIRTE | 471703.43N/1223306.29W | Y | FB | TF | 164.74 | 04.77 | | | | | |
| ALDER | 464917.62N/1222451.19W | T | FB | TF | 168.47 | 28.34 | | | | | |
| | | | | | | | | | | | |
| ATOME | 473627.23N/1222147.61W | Y | - | IF | - | - | AT/ABOVE 5000 | | ATOME1.ALPSE | | |
| CENEX | 473825.12N/1222727.36W | Y | FB | TF | 297.20 | 04.31 | | | | | |
| KTSAP | 474506.58N/1222745.08W | Y | FB | TF | 358.29 | 06.70 | | | | | |
| GOOBI | 474648.92N/1222612.36W | Y | FB | TF | 031.41 | 02.00 | AT/BELOW 9000 | | | | |
| BEARB | 475040.15N/1222242.44W | Y | FB | TF | 031.43 | 04.52 | AT/ABOVE 10000 | | | | |
| ALPSE | 481000.00N/1220500.00W | Y | FB | TF | 031.47 | 22.71 | | | | | |
| | | | | | | | | | | | |
| ATOME | 473627.23N/1222147.61W | Y | - | IF | - | - | AT/ABOVE 5000 | | ATOME1.ARRIE | | |
| BREMM | 473712.00N/1222806.00W | Y | FB | TF | 279.96 | 04.33 | | | | | |
| ZUMBI | 473740.68N/1223702.50W | Y | FB | TF | 274.58 | 06.07 | AT/BELOW 9000 | | | | |
| KIMSH | 473804.70N/1224424.63W | Y | FB | TF | 274.64 | 05.00 | AT/ABOVE 10000 | | | | |
| BANGR | 473838.05N/1225453.69W | Y | FB | TF | 274.55 | 07.11 | | | | | |
| ARRIE | 475247.61N/1232833.00W | Y | FB | TF | 302.17 | 26.76 | | | | | |
| | | | | | | | | | | | |
| ATOME | 473627.23N/1222147.61W | Y | - | IF | - | - | AT/ABOVE 5000 | | ATOME1.BANDR | | |
| CENEX | 473825.12N/1222727.36W | Y | FB | TF | 297.20 | 04.31 | | | | | |
| KTSAP | 474506.58N/1222745.08W | Y | FB | TF | 358.29 | 06.70 | | | | | |
| GOOBI | 474648.92N/1222612.36W | Y | FB | TF | 031.41 | 02.00 | AT/BELOW 9000 | | | | |

QUALITY

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QUALITY
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|-------------------|------------------------|---------------|--------------|-------------------------|-----------|--------------------------|-----------------|--------------|-----------------------|
| ATOME | | ONE | | ATOME1.ATOME | | NONE | | | |
| <u>FIX/NAVAID</u> | <u>LAT/LONG</u> | <u>C</u> | <u>FO/FB</u> | <u>LEG TYPE</u> | <u>TC</u> | <u>DIST (NM)</u> | <u>ALTITUDE</u> | <u>SPEED</u> | <u>REMARKS</u> |
| BEARB | 475040.15N/1222242.44W | Y | FB | TF | 031.43 | 04.52 | AT/ABOVE 10000 | | |
| RAYNG | 474850.79N/1221336.15W | Y | FB | TF | 106.50 | 06.40 | AT/ABOVE 13000 | | |
| JESSP | 474412.80N/1220435.04W | Y | FB | TF | 127.26 | 07.65 | AT/ABOVE 15000 | | |
| BANDR | 471530.14N/1212932.11W | Y | FB | TF | 140.18 | 37.28 | | | |
| | | | | | | | | | |
| ATOME | 473627.23N/1222147.61W | Y | - | IF | - | - | AT/ABOVE 5000 | | ATOME1.BUWZO |
| BREMM | 473712.00N/1222806.00W | Y | FB | TF | 279.96 | 04.33 | | | |
| ORCHO | 473400.02N/1223257.68W | Y | FB | TF | 225.81 | 04.59 | AT/BELOW 9000 | | |
| DRUMR | 473031.92N/1223816.44W | Y | FB | TF | 226.08 | 05.00 | | | |
| GIGHR | 472139.61N/1223456.99W | Y | FB | TF | 165.72 | 09.16 | AT/ABOVE 14000 | | |
| GIRTE | 471703.43N/1223306.29W | Y | FB | TF | 164.74 | 04.77 | | | |
| BUWZO | 465708.19N/1221834.62W | Y | FB | TF | 153.45 | 22.26 | | | |
| | | | | | | | | | |
| ATOME | 473627.23N/1222147.61W | Y | - | IF | - | - | AT/ABOVE 5000 | | ATOME1.ERAVE |
| BREMM | 473712.00N/1222806.00W | Y | FB | TF | 279.96 | 04.33 | | | |
| ORCHO | 473400.02N/1223257.68W | Y | FB | TF | 225.81 | 04.59 | AT/BELOW 9000 | | |
| DRUMR | 473031.92N/1223816.44W | Y | FB | TF | 226.08 | 05.00 | | | |
| HAROB | 471436.00N/1230227.00W | Y | FB | TF | 226.02 | 22.89 | AT/ABOVE 10000 | | |
| FEPOT | 470451.00N/1231308.00W | Y | FB | TF | 216.84 | 12.18 | | | |
| ERAVE | 465435.00N/1232406.00W | Y | FB | TF | 216.23 | 12.72 | | | |
| | | | | | | | | | |
| ATOME | 473627.23N/1222147.61W | Y | - | IF | - | - | AT/ABOVE 5000 | | ATOME1.FEPOT |

QUALITY
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CHECKED

**FEDERAL AVIATION ADMINISTRATION
FLIGHT STANDARDS SERVICE
DEPARTURE (DATA RECORD)**

| DP NAME | | | | | | | NUMBER | DP COMPUTER CODE | SUPERSEDED NUMBER | DATED | EFFECTIVE DATE |
|------------|------------------------|---|-------|----------|--------|-----------|----------------|------------------|-------------------|---------|-------------------------|
| ATOME | | | | | | | ONE | ATOME1.ATOME | NONE | | |
| FIX/NAVAID | LAT/LONG | C | FO/FB | LEG TYPE | TC | DIST (NM) | ALTITUDE | SPEED | | REMARKS | |
| BREMM | 473712.00N/1222806.00W | Y | FB | TF | 279.96 | 04.33 | | | | | |
| ORCHO | 473400.02N/1223257.68W | Y | FB | TF | 225.81 | 04.59 | AT/BELOW 9000 | | | | |
| DRUMR | 473031.92N/1223816.44W | Y | FB | TF | 226.08 | 05.00 | | | | | |
| HAROB | 471436.00N/1230227.00W | Y | FB | TF | 226.02 | 22.89 | AT/ABOVE 10000 | | | | |
| FEPOT | 470451.00N/1231308.00W | Y | FB | TF | 216.84 | 2.18 | | | | | |
| | | | | | | | | | | | |
| ATOME | 473627.23N/1222147.61W | Y | - | IF | - | - | AT/ABOVE 5000 | | ATOME1.HQM | | |
| BREMM | 473712.00N/1222806.00W | Y | FB | TF | 279.96 | 04.33 | | | | | |
| ORCHO | 473400.02N/1223257.68W | Y | FB | TF | 225.81 | 04.59 | AT/BELOW 9000 | | | | |
| DRUMR | 473031.92N/1223816.44W | Y | FB | TF | 226.08 | 05.00 | | | | | |
| HAROB | 471436.00N/1230227.00W | Y | FB | TF | 226.02 | 22.89 | AT/ABOVE 10000 | | | | |
| HQM VORTAC | 465649.35N/1240857.37W | Y | FB | TF | 249.03 | 48.80 | | | | | |
| | | | | | | | | | | | |
| ATOME | 473627.23N/1222147.61W | Y | - | IF | - | - | AT/ABOVE 5000 | | ATOME1.NORMY | | |
| CENEX | 473825.12N/1222727.36W | Y | FB | TF | 297.20 | 04.31 | | | | | |
| KTSAP | 474506.58N/1222745.08W | Y | FB | TF | 358.29 | 06.70 | | | | | |
| GOOBI | 474648.92N/1222612.36W | Y | FB | TF | 031.41 | 02.00 | AT/BELOW 9000 | | | | |
| BEARB | 475040.15N/1222242.44W | Y | FB | TF | 031.43 | 04.52 | AT/ABOVE 10000 | | | | |
| RAYNG | 474850.79N/1221336.15W | Y | FB | TF | 106.50 | 06.40 | AT/ABOVE 13000 | | | | |
| JESSP | 474412.80N/1220435.04W | Y | FB | TF | 127.26 | 07.65 | AT/ABOVE 15000 | | | | |
| NORMY | 472546.39N/1214316.41W | Y | FB | TF | 141.85 | 23.42 | | | | | |
| | | | | | | | | | | | QUALITY 3 CHECKED |

QUALITY
3
CHECKED

**FEDERAL AVIATION ADMINISTRATION
FLIGHT STANDARDS SERVICE
DEPARTURE (DATA RECORD)**

| <u>DP NAME</u> | | <u>NUMBER</u> | | <u>DP COMPUTER CODE</u> | | <u>SUPERSEDED NUMBER</u> | | <u>DATED</u> | <u>EFFECTIVE DATE</u> |
|-------------------|------------------------|---------------|--------------|-------------------------|-----------|--------------------------|-----------------|--------------|-----------------------|
| ATOME | | ONE | | ATOME1.ATOME | | NONE | | | |
| <u>FIX/NAVAID</u> | <u>LAT/LONG</u> | <u>C</u> | <u>FO/FB</u> | <u>LEG TYPE</u> | <u>TC</u> | <u>DIST (NM)</u> | <u>ALTITUDE</u> | <u>SPEED</u> | <u>REMARKS</u> |
| ATOME | 473627.23N/1222147.61W | Y | - | IF | - | - | AT/ABOVE 5000 | | ATOME1.PAE |
| CENEX | 473825.12N/1222727.36W | Y | FB | TF | 297.20 | 04.31 | | | |
| KTSAP | 474506.58N/1222745.08W | Y | FB | TF | 358.29 | 06.70 | | | |
| GOOBI | 474648.92N/1222612.36W | Y | FB | TF | 031.41 | 02.00 | AT/BELOW 9000 | | |
| BEARB | 475040.15N/1222242.44W | Y | FB | TF | 031.43 | 04.52 | AT/ABOVE 10000 | | |
| PAE VOR/DME | 475511.40N/1221640.08W | Y | FB | TF | 041.91 | 06.08 | | | |
| | | | | | | | | | |
| ATOME | 473627.23N/1222147.61W | Y | - | IF | - | - | AT/ABOVE 5000 | | ATOME1.SUMMA |
| BREMM | 473712.00N/1222806.00W | Y | FB | TF | 279.96 | 04.33 | | | |
| ORCHO | 473400.02N/1223257.68W | Y | FB | TF | 225.81 | 04.59 | AT/BELOW 9000 | | |
| DRUMR | 473031.92N/1223816.44W | Y | FB | TF | 226.08 | 05.00 | | | |
| GIGHR | 472139.61N/1223456.99W | Y | FB | TF | 165.72 | 09.16 | AT/ABOVE 14000 | | |
| GIRTE | 471703.43N/1223306.29W | Y | FB | TF | 164.74 | 04.77 | | | |
| SUMMA | 463704.29N/1215917.96W | Y | FB | TF | 149.73 | 46.22 | | | |
| | | | | | | | | | |
| ATOME | 473627.23N/1222147.61W | Y | - | IF | - | - | AT/ABOVE 5000 | | ATOME1.ZADON |
| CENEX | 473825.12N/1222727.36W | Y | FB | TF | 297.20 | 04.31 | | | |
| KTSAP | 474506.58N/1222745.08W | Y | FB | TF | 358.29 | 06.70 | | | |
| GOOBI | 474648.92N/1222612.36W | Y | FB | TF | 031.41 | 02.00 | AT/BELOW 9000 | | |
| BEARB | 475040.15N/1222242.44W | Y | FB | TF | 031.43 | 04.52 | AT/ABOVE 10000 | | |
| RAYNG | 474850.79N/1221336.15W | Y | FB | TF | 106.50 | 06.40 | AT/ABOVE 13000 | | |
| JESSP | 474412.80N/1220435.04W | Y | FB | TF | 127.26 | 07.65 | AT/ABOVE 15000 | | |

QUALITY
3
CHECKED

**FEDERAL AVIATION ADMINISTRATION
FLIGHT STANDARDS SERVICE
DEPARTURE (DATA RECORD)**

| <u>DP NAME</u> | | | | | | | <u>NUMBER</u> | <u>DP COMPUTER CODE</u> | <u>SUPERSEDED NUMBER</u> | <u>DATED</u> | <u>EFFECTIVE DATE</u> |
|-------------------|------------------------|----------|--------------|-----------------|-----------|------------------|-----------------|-------------------------|--------------------------|--------------|-----------------------|
| ATOME | | | | | | | ONE | ATOME1.ATOME | NONE | | |
| <u>FIX/NAVAID</u> | <u>LAT/LONG</u> | <u>C</u> | <u>FO/FB</u> | <u>LEG TYPE</u> | <u>TC</u> | <u>DIST (NM)</u> | <u>ALTITUDE</u> | <u>SPEED</u> | <u>REMARKS</u> | | |
| ZADON | 473344.00N/1214419.00W | Y | FB | TF | 127.30 | 17.25 | | | | | |

QUALITY
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CHECKED