

**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SUPERSEDED NUMBER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> |
|----------------|---------------|-------------------------|--------------------------|--------------|-----------------------|
| SEATTLE        | FIVE          | SEATL5.SEATL            | FOUR                     | 11/20/2008   | 10 NOV 2016           |

| <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 type="checkbox"/> |

**DP ROUTE DESCRIPTION:**

TAKE-OFF RWY 34L: CLIMB HEADING 349 AND SEA R-341 THENCE...  
TAKE-OFF RWY 34C: CLIMB HEADING 344 AND SEA R-341 THENCE...  
TAKE-OFF RWY 34R: CLIMB HEADING 344 AND SEA R-341 THENCE...  
TAKE-OFF RWY 16L: CLIMB HEADING 164 AND SEA R-161 THENCE...  
TAKE-OFF RWY 16C: CLIMB HEADING 162 AND SEA R-161 THENCE...  
TAKE-OFF RWY 16R: CLIMB HEADING 157 AND SEA R-161 THENCE...  
...MAINTAIN ASSIGNED ALTITUDE, EXPECT RADAR VECTORS TO ASSIGNED ROUTE.

**TRANSITION ROUTES (GRAPHIC DEPICTION ONLY):**

| <u>TRANSITION NAME</u> | <u>TRANSITION<br/>COMPUTER CODE</u> | <u>FROM<br/>FIX/NAVAID</u> | <u>TO<br/>FIX/NAVAID</u> | <u>COURSE</u> | <u>DISTANCE</u> | <u>MEA</u> | <u>MOCA</u> | <u>CROSSING<br/>ALTITUDE/FIXES</u> |
|------------------------|-------------------------------------|----------------------------|--------------------------|---------------|-----------------|------------|-------------|------------------------------------|
|------------------------|-------------------------------------|----------------------------|--------------------------|---------------|-----------------|------------|-------------|------------------------------------|

**PROCEDURAL DATA NOTES:**

NOTE: RADAR REQUIRED.

NOTE: BETWEEN THE HOURS OF 2200 AND 0600 LOCAL, LARGE TURBINE POWERED AIRCRAFT DEPARTING RWYS 34L/C/R WILL BE VECTORED OVER PUGET SOUND FOR NOISE ABATEMENT BEFORE PROCEEDING ON COURSE.

**TAKEOFF MINIMUMS:**

RWY 16L/C/R: STANDARD.

RWY 34 L/C/R: STANDARD.

**TAKEOFF OBSTACLES NOTES:**

NOTE: RWY 16L, TREES BEGINNING 2908 FT FROM DER, 1064 FT RIGHT OF CENTERLINE, UP TO 100 FT AGL/476 FT MSL.

NOTE: RWY 16C, TREES BEGINNING 4477 FT FROM DER, 484 FT RIGHT OF CENTERLINE, UP TO 100 FT AGL/507 FT MSL.

NOTE: RWY 16R, TREES, ANTENNA ON BUILDING AND LIGHT POLE BEGINNING 488 FT FROM DER, 436 FT LEFT OF CENTERLINE, UP TO 100 FT AGL/507 FT MSL. TREES BEGINNING 1137 FT FROM DER, 587 FT RIGHT OF CENTERLINE, UP TO 100 FT AGL/468 FT MSL.

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 16 L/C/R, 34 L/C/R: 14410 MSL AAO 465107.40N/1214521.90W.

**LOST COMMUNICATIONS PROCEDURES:****ADDITIONAL FLIGHT DATA:****AIRPORTS SERVED:**

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

QUALITY  
24  
CHECKED

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**COMMUNICATIONS:**

SEATTLE-TACOMA ATIS, SEATTLE-TACOMA CLEARANCE DELIVERY, SEATTLE-TACOMA DEPARTURE CONTROL.

**FIXES AND/OR NAVAIDS:**

CHART: YVR VORTAC, HUH VORTAC, EPH VORTAC, YDC VORTAC, SEA VORTAC, ELN VOR/DME, YKM VORTAC, BTG VORTAC, EUG VORTAC, OLM VORTAC, HQM VORTAC, TOU VORTAC, PAE VOR/DME, UBG VOR/DME, AST VOR/DME, YYJ VOR/DME.

**REMARKS:**

SEATTLE FIVE AMENDMENT DOES NOT SATISFY PERIODIC REVIEW REQUIREMENTS.

**FLIGHT INSPECTED BY:**FLIGHT INSPECTION NOT REQUIRED:  
MANAGER ROBERT STUCKERT**OFFICE SYMBOL:**

AJW-331

**REQUIRED EFFECTIVE DATE:**

ROUTINE

**COORDINATED WITH:**

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

**OTHER:**

ZSE, SEA APCH, SEA ATCT, AMGR, WA AERO

**CHANGES - REASONS:**

1. CHANGED ALL REFERENCES OF ELN VORTAC TO ELN VOR/DME- TACAN ANTENNA REPLACED WITH DME.
2. ADDED REMARK "SEATTLE FIVE AMENDMENT DOES NOT SATISFY PERIODIC REVIEW REQUIREMENTS"- A MINOR AMENDMENT DOES NOT QUALIFY AS A PERIODIC REVIEW.