

**FEDERAL AVIATION ADMINISTRATION  
FLIGHT STANDARDS SERVICE  
TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)  
TITLE 14 CFR PART 97.37**

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.

| <b>CITY, STATE</b> | <b>AIRPORT</b>      | <b>EFFECTIVE DATE</b> | <b>AMDT NO</b> |
|--------------------|---------------------|-----------------------|----------------|
| SEATTLE, WA        | SEATTLE-TACOMA INTL | 12 OCTOBER 2017       | 4A             |

**TAKEOFF MINIMUMS:**

RWY 16L, 16C, 16R, 34L, 34C, 34R, STANDARD.

**TEXTUAL DEPARTURE PROCEDURES:**

RWY 16R: CLIMB TO 1000 ON HEADING 164.33, THEN CLIMBING RIGHT TURN DIRECT SEA VORTAC, THENCE...  
RWY 16L, 16C: CLIMB TO 1000 ON HEADING 164.34, THEN CLIMBING RIGHT TURN DIRECT SEA VORTAC, THENCE...  
RWY 34L: CLIMB TO 1000 ON HEADING 344.33, THEN CLIMBING LEFT TURN DIRECT SEA VORTAC, THENCE...  
RWY 34C, 34R: CLIMB TO 1000 ON HEADING 344.34, THEN CLIMBING LEFT TURN DIRECT SEA VORTAC, THENCE...

...CLIMB IN SEA VORTAC HOLDING PATTERN (HOLD SE, LEFT TURNS, 310 INBOUND) TO MEA/MCA FOR ROUTE OF FLIGHT.

**VISUAL CLIMB OVER AIRPORT:**

**TAKEOFF OBSTACLE 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:**

OBSTACLE MANDATING ODP ROUTE DEVELOPMENT: RWYS 16L, 16C, 16R, 34L, 34C, 34R: 14410 FT MSL TERRAIN 465107.40N/1214521.90W.

**REMARKS:**

ABBREVIATED AMENDMENT.

**FLIGHT INSPECTED BY:** Digitally signed by  
DANIEL C FAVORITE **BEV L BORDY**  
Aug 01, 2017

**OFFICE SYMBOL:** FICO  
**DATE:** 07/21/2017

**DEVELOPED BY:** Digitally signed by  
SYLVAN DRAKES **SYLVAN DRAKES**  
May 22, 2017

**OFFICE SYMBOL:** AJV-5433  
**DATE:** 04/26/2017

**APPROVED BY:** Digitally signed by  
PATRICK MULQUEEN **BEV L BORDY**  
Aug 01, 2017

**OFFICE SYMBOL:** AJV-5430  
**DATE:**

**REQUIRED EFFECTIVE DATE:**  
ROUTINE.

**COORDINATED WITH:**

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

**OTHER:**

ATA, ZLC, SLC APP CON.

**CHANGES - REASONS:**

1. UPDATED RWY 16R, RWY 34L MAGNETIC RUNWAY HEADING FROM 163.34 AND 343.34 "TO" 164.33 AND 344.33 BASED ON A TRUE RUNWAY BEARING OF 180.33 AND 000.33; UPDATED AIRPORT DATA IN AIRNAV.
2. UPDATED MAGNETIC VARIATION (MAG VAR) FOR SEATTLE-TACOMA INTERNATIONAL AIRPORT (KSEA) - UPDATED FROM 17E (EPOCH YEAR 2010) "TO" 16E (EPOCH YEAR 2020) - MAGNETIC VARIATION UPDATE REQUIRED.
3. CHANGED THE APOSTROPHE REPRESENTING FEET "TO" FT IN THE TAKEOFF OBSTACLE NOTES BLOCK.
4. CHANGED VIA "TO" ON IN THE TEXTUAL DEPARTURE PROCEDURE BLOCK; VIA NO LONGER USED.
5. ADDED SCHEDULED AIR CARRIERS (A4A) TO COORDINATED WITH.

