SEA-TAC Stakeholder Advisory
Round Table

Airport Flight Pattern
General Briefing
Agenda

• Air Traffic Control Process
• Gates/Posts
• Arrival / Departure Patterns
• Departure Procedures & Standard Terminal Arrival Routes
• Other Factors
• Questions
## Air Traffic Control Process

<table>
<thead>
<tr>
<th>Tower</th>
<th>TRACON</th>
<th>Center</th>
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<tbody>
<tr>
<td>Controls aircraft from final approach (5-7 miles out) to shortly after departure (0-2 miles out)</td>
<td>Controls between Tower and approximately 50 miles and 20,000’</td>
<td>Controls flights between TRACON facilities</td>
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Gates/Posts

• The area surrounding the airport is subdivided into 8 areas
  – 4 Arrival Gates
  – 4 Departure Gates
• Arrival paths cross overtop of departure paths
• Arrival/Departure Gate depends on airport of origin/destination
• Arrival/Departure Gates provide a predictable / repeatable exchange point between ARTCC (Center) and TRACON (Terminal) controllers
Arrival/ Departure Patterns
Jet Aircraft

South Flow

North Flow
Arrival/Departure Patterns
Prop Aircraft

South Flow

North Flow
Crossing Points
Other Factors

- Other factors that can impact flight paths or assigned routes include:
  - Topography
  - Airspace Complexity
    - Boeing Field
    - Paine Field
    - Renton Municipal
    - JB Lewis McChord
  - Aircraft Mix
Airport Interactions

South Flow
Airport Interactions

North Flow

Arrivals

Departure
Questions