WSDOT Aviation Division:
Aviation System Plan Update

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Overview of Presentation

Washington Aviation System Plan Update

- Background
- Work elements
- Schedule

NextGen

- What is NextGen & Why It Matters
- WSDOT’s Role in Implementation
Background

- RCW 47.68 authorizes WSDOT Aviation to develop the statewide system of airports
Purpose

• The primary purpose of airport system planning is to study the performance and interaction of an entire aviation system to understand the interrelationship of the member airports.

• The study involves examining the interaction of the airports with the aviation user requirements, economy, population, and surface transportation of a specific geographic area.
Work Elements

• The planning process includes:
  – Exploration of issues that impact aviation in the study area
  – Inventory of the current system
  – Identification of air transportation needs
  – Forecast of system demand
  – Consideration of alternative airport systems
  – Definition of airport roles and policy strategies
  – Recommendation of system changes, funding strategies, and airport development
  – Preparation of an implementation plan
Additional Work Elements

The study will examine emerging aviation issues such as:

- Unmanned Aircraft Systems (UAS) at airports

- The role of remotely-monitored technologies and blended airspace at airport towers
Preliminary Schedule

• Kick-off: December 2014
• Completion: December 2016
What is NextGen?

NextGen represents an evolution from a ground-based system of air traffic control to a satellite-based system of air traffic management.
Why NextGen Matters

NextGen will:

• Improve approaches & low-visibility operations
• Enable more arrivals and departures
• Safely allow less separation between aircraft
• Allow more direct routes
• Reduce fuel consumption
• Reduce carbon emissions
• Reducing delays
• Reduce noise
Renton Municipal Airport
RNP-AR Concept
How Does WSDOT Support NextGen

- Puget Sound Regional Council (PSRC) Study
- WSDOT anticipates a NextGen pilot project
- Accurate airport data is critical to NextGen
- Template for other airports in Washington
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