

# COMPREHENSIVE WASHINGTON-BALTIMORE REGIONAL AIR SYSTEM PLAN (RASP) UPDATE – PHASE 2

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## Working Draft Report Update

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# Overview

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- Following the Phase 1 literature review, Phase 2 reviews existing conditions in the regional airport system and conducts a needs assessment based on the existing conditions of each airport, combined with overarching air system policy issues.
- The results of Phase 2 will be documented in a report that will provide initial guidance for the discussion of forecasts and future recommendations in Phase 3.

# Areas of Assessment

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- **Supply Analysis**
- **Demand Analysis**
- **Needs Assessment**
- **System-Wide Policy Issues Identification**



# Metrics: Supply Analysis

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## Air Service

**Gate totals:** wide and narrow body gates

## Cargo

**Warehouse space:** square footage

**Aircraft cargo capacity:** international wide-body and air cargo

**Parking:** runway length, ramps, truck maneuvering

**Intermodal connectivity:** access to networks

## Ground Access

**Automobiles:** by type/use – ie: private vehicle, taxi, TNC, rental car

**Rental car:** square footage of parking

**Metro Bus:** number of routes, capacity, frequency of service

**Commuter rail:** number of routes, capacity, frequency of service

**Intercity bus:** number of routes, capacity, frequency of service

**Intercity rail:** number of routes, capacity, frequency of service



# Metrics: Supply Analysis

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## Curbside Access

**Lane area:** linear footage of lanes

**Lane capacity:** curbside capacity of lines by number of cars or passengers

## Parking

**Parking spaces:** number of parking spaces

**Fleet size:** bus shuttle fleet size

## General Aviation Activity

**Ramp space:** area of ramp space for general aviation activity

**Square footage:** total area of general aviation operations

**Parking spaces:** number of general aviation parking spaces

**Apron type**



# Metrics: Demand Analysis

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## Curbside Access

**Levels of Service:** frequency with which curbs reach range of LOS (A-F)

## Parking

**People per car:** number of people per car

**Shuttle ridership:** annual ridership of shuttle fleet

**Frequency of lot closures:** how often parking lots reach capacity

## General Aviation Activity

**Annual operations:** as available, statistics on annual operations

**Carriers:** number of carriers/clients



# Needs Assessment

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Following the supply and demand analyses conducted, all three participating airports have identified the overarching need for future, more detailed and dynamic ground access studies for their respective facilities.

## **Other Needs Identified:**

- Increased curb access (DCA)
- Baggage sorting expansion/improvement (IAD)
- Gate expansion scenarios (IAD)



# System-Wide Policy Issues

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- **Revenue**
- **Ground Access**
- **Unknowns**
- **Capacity**
- **Regional Airport Balance**
- **Regulation**
- **NextGen**
- **Land Use Compatibility**
- **Unmanned Aircraft Systems**





# Next Steps

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- **5/30:** RASP Phase 2 Report Working Draft to ATS
- **6/27:** RASP Phase 2 Report Finalized
- **7/25:** RASP Phase 3 Report Working Draft to ATS
- **8/30:** RASP Project Completion

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