



MEMORANDUM

TO: Aviation Technical Subcommittee
FROM: Arianna Koudounas, TPB Transportation Planner
SUBJECT: Comprehensive Regional Air System Plan (RASP) Update, Phase 1 –Bibliography for Literature Review
DATE: May 24, 2018

The comprehensive RASP update, the first undertaken in more than four decades, is broken into three phases due to resource constraints.

Phase 1 of the comprehensive RASP update is a review of previous and recent planning efforts and determination of the state of the practice in regional air system planning through a national literature review

Phase 2 of this project will review existing conditions in the regional airport system and conduct a needs assessment. The specific areas of assessment will be determined by the work performed in Phase 1. The results of Phase 2 will be documented in a report that will also provide initial guidance for the discussion of forecasts and future recommendations in Phase 3 of the comprehensive RASP update.

Phase 3 of the comprehensive RASP update builds on the review of previous planning efforts and determination of best practices in Phase 1 and the review of existing conditions and needs assessment in Phase 2 by reviewing and preparing future air system forecasts and developing recommendations for the system plan update. As with the previous two phases, the forecasts and plan recommendations will be developed in conjunction with the airports and the FAA. All three phases will be bound as a single plan update and will include a timeline for incremental updates as well as another future comprehensive update.

The Phase 1 literature review will focus on the following areas:

- Previous regional air system plans and related documents for the Washington-Baltimore Air Systems Planning Region (ASPR)
- Current master plans and related documents for the three commercial airports in the ASPR
- Current state aviation system plans for the states within/immediately adjacent to the ASPR
- Current master plans and related documents for selected NPIAS airports in the ASPR
- Current regional air system plans and related documents for peer areas to the ASPR; regions served by multiple commercial service airports (e.g., San Francisco, New York, Boston, Los Angeles, Chicago, Dallas/Fort Worth, Houston, etc.)
- Current air system plans and documents on military air transportation for the ASPR, to the extent that they are available and not classified
- Current FAA guidance on regional air system planning
- ACRP research on air system planning

This memo builds upon the draft bibliography shared with the subcommittee in July of 2017, with some documents still to be identified. Subcommittee members are invited to comment and recommend additional sources that may not be listed. The listed documents are in the process of being reviewed and summarized. A draft report is planned for the fall of this year. Format for the entries is agency, title, year, where information is available, as well as a weblink for digital documents.

PREVIOUS REGIONAL AIR SYSTEM PLANS AND RELATED DOCUMENTS FOR THE ASPR

NCPC, District of Columbia Downtown Heliport Study, 1973

COG/TPB, The Future of Washington's Airports, 1975 (two volumes)

COG/TPB, Supplemental Report to The Future of Washington's Airports, 1978

COG/TPB, Downtown Washington Heliport Study, 1979

COG/TPB, Economic Analysis of Woodbridge Airport, 1982.

COG/TPB in cooperation with MDOT, Washington-Baltimore Regional Airport System Plan, Volume 1: Commercial Airports, 1988

COG (Metropolitan Development and Information Resources), Economic Impacts of the Region's Airports, 1988

COG/TPB, 1990 Survey of General Aviation Activity at Dulles and National Airports, 1991

COG/TPB, Washington-Baltimore Regional Airport System Plan, Volume 2: Ground Access, 1993

COG/TPB, 1995 Survey of General Aviation Activity at Baltimore/Washington International Airport, 1996

COG/TPB, Washington-Baltimore Regional Airport System Plan, Volume 3: Air Cargo, 1997

COG/TPB, Selected previous analysis of Washington-Baltimore regional air passenger surveys: 1981/82, 1992, 2000, 2002, 2011, 2015

COG/TPB, Most recent studies for airport ground access travel time, ground access forecasts update, ground access element update, and air cargo study.

COG/TPB, FAA, and airports, major documents on airport noise, including the "scatter plan" and responses, airport Part 150 studies, summary reports from CONANND and the Aviation Policy Committee, including COG Board action terminating the study of airport noise by COG staff. Summary information from current airport NextGen community noise working groups.

CURRENT MASTER PLANS AND RELATED DOCUMENTS FOR THE THREE COMMERCIAL SERVICE AIRPORTS IN THE ASPR

Updated master plans and related documents from each Aviation Technical Subcommittee member airport are forthcoming. Following receipt of each master plan, COG staff will produce RASP-relevant summaries of each document. Relevant articles retrieved to date are list below.

Regional

Washingtonian, The Big Changes That Are Coming to DC Airports That Will Make Traveling Much Easier, 2016

<https://www.washingtonian.com/2016/11/21/future-of-dc-airports-new-construction-dca-bwi-iad/>

Baltimore/Washington International Thurgood Marshall Airport (BWI)

The Business Monthly, “BWI Finishing Master Plan, Will Also Issue RFP for In-Terminal Hotel,” 2017

<https://www.bizmonthly.com/bwi-finishing-master-plan-will-also-issue-rfp-terminal-hotel/>

BWI, “Proposed Improvements 206-2020 at Baltimore/Washington International Thurgood Marshall,” 2018

Reagan National Airport (DCA)

Washington Post, “75 years after it opened, Reagan National Airport is getting an upgrade,” 2016

https://www.washingtonpost.com/local/trafficandcommuting/75-years-after-it-opened-reagan-national-airport-is-getting-an-upgrade/2016/06/17/55842f0a-3336-11e6-95c0-2a6873031302_story.html?utm_term=.6fe874138025

Dulles International Airport (IAD)

Flight Global, “Washington Dulles prospects improve as costs fall,” 2018

<https://www.flightglobal.com/news/articles/washington-dulles-prospects-improve-as-costs-fall-448659/>

MWAA, “Dulles Development Projects,” 2018

<http://www.mwaa.com/business/dulles-development-projects>

MWAA, “Dulles Corridor Metrorail Project,” 2018

<http://www.mwaa.com/business/dulles-corridor-metrorail>

CURRENT STATE AVIATION PLANS AND RELATED DOCUMENTS FOR THE STATES WITHIN AND IMMEDIATELY ADJACENT TO THE ASPR

Virginia Department of Aviation, Virginia Air Transportation System Plan Update, 2016.

http://www.doav.virginia.gov/VATSP_update_2016.htm

Maryland Aviation Administration, Maryland Aviation System Plan, 2008.

http://www.marylandregionalaviation.aero/media/clients/pdf/publications/MASP%20Executive_Summary.pdf

Link to full report here:

http://www.marylandregionalaviation.aero/media/clients/pdf/publications/Maryland_System_Plan.pdf

MAA/COG, Maryland Regional Helicopter System Plan, 2005.

<http://www.marylandregionalaviation.aero/content/publications/index.php>

MAA, Economic Study, 2015.

<http://www.marylandregionalaviation.aero/content/publications/index.php>

PennDOT, Statewide Airport System Plan, 2007:

<http://www.penndot.gov/Doing-Business/Aviation/Planning%20and%20Zoning/Pages/2007-Statewide-Airport-System-Plan.aspx>

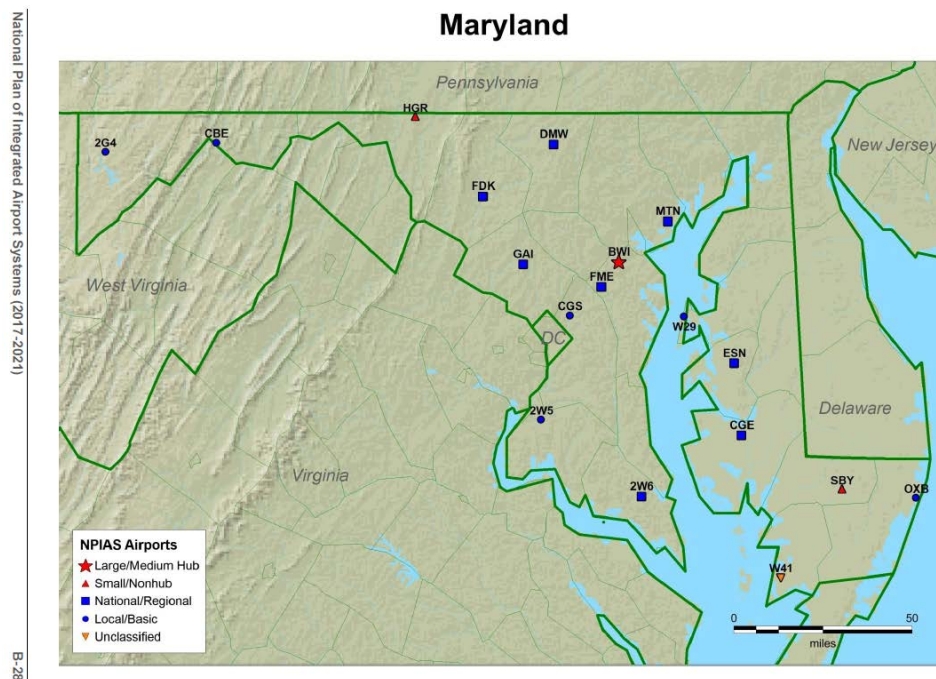
DeIDOT, Delaware Aviation System Plan Update, 2013.

https://www.deldot.gov/Programs/aviation_svcs/pdfs/sys_plan/DASPU_Phase_2_Report.pdf

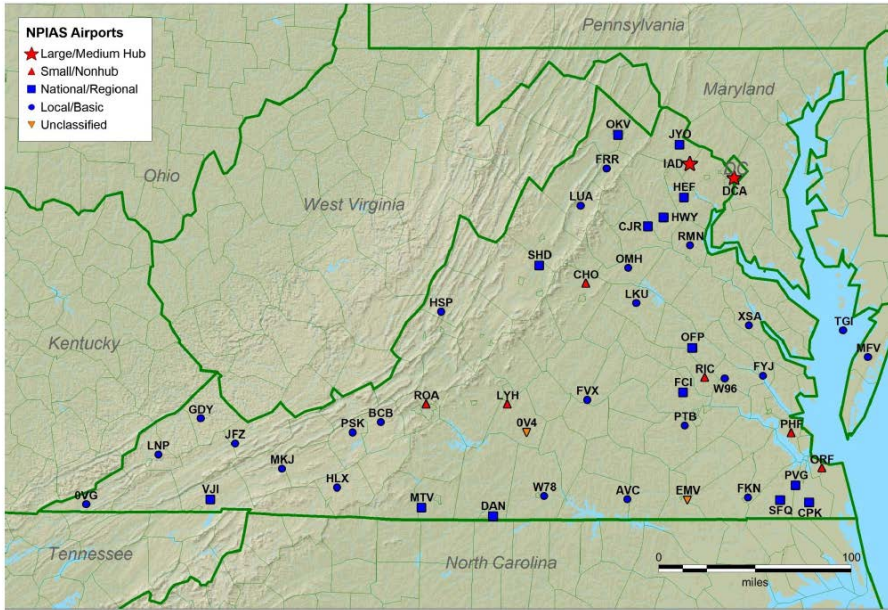
West Virginia DOT, Multi-modal Statewide Transportation Plan, 2010.

http://www.transportation.wv.gov/highways/programplanning/planning/statewide/Documents/West_Virginia_Long_Range_Multi-modal_Transportation_Plan.pdf

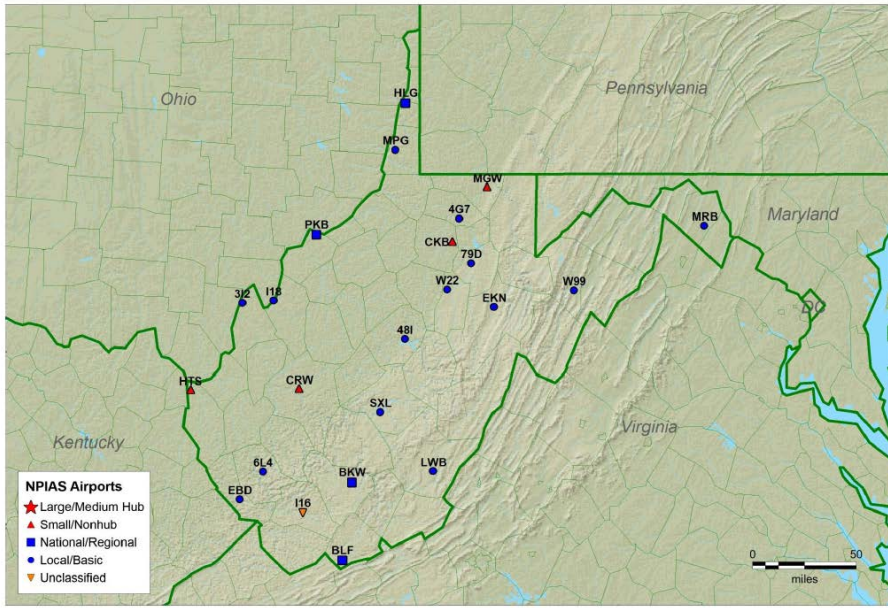
CURRENT MASTER PLANS AND RELATED DOCUMENTS FOR SELECTED NPIAS AIRPORTS IN THE ASPR



Virginia



West Virginia



This rest of this section under development.

CURRENT REGIONAL AIR SYSTEM PLANS AND RELATED DOCUMENTS FOR PEER AREAS TO THE ASPR; REGIONS SERVED BY MULTIPLE COMMERCIAL SERVICE AIRPORTS

Regional Airport Planning Committee (of the Bay Area), Regional Airport System Plan for the San Francisco Bay Area, 2000

Forthcoming additional case studies:

- Boston
- Chicago
- Dallas/Fort Worth
- Houston
- Los Angeles
- New York

CURRENT AIR SYSTEM PLANS AND DOCUMENTS ON MILITARY AIR TRANSPORTATION FOR THE ASPR, TO THE EXTENT THAT THEY ARE AVAILABLE AND NOT CLASSIFIED

This section is under development.

CURRENT FAA GUIDANCE ON REGIONAL AIR SYSTEM PLANNING

FAA, Advisory Circular on The Airport System Planning Process (AC 150/5070-7, Change 1), January 15, 2015

https://www.faa.gov/documentLibrary/media/Advisory_Circular/150-5070-7-change1.pdf

FAA, National Plan of Integrated Airport Systems, 2017-2021 report (update due to Congress 9/30/2017)

https://www.faa.gov/airports/planning_capacity/npas/reports/

FAA, Airport Improvement Program Handbook, 2014

https://www.faa.gov/airports/aip/aip_handbook/

FAA, information on Planning and Capacity, current

https://www.faa.gov/airports/planning_capacity/

FAA, Terminal Area Forecasts, current

<https://taf.faa.gov/>

FAA, Advisory Circular on The Airport System Planning Process (AC 150/5070-7, Change 1), January 15, 2015

https://www.faa.gov/documentLibrary/media/Advisory_Circular/150-5070-7-change1.pdf

ACRP RESEARCH ON AIR SYSTEM PLANNING

TRB, ACRP Synthesis 14, Airport System Planning Practices, 2009

The rest of this section is under development.