

<b>Problem Statement Number</b>	<b>Title / Submitter</b>	<b>Date Submitted</b>
<a href="#"><u>13-01-01</u></a>	<a href="#"><u>IT for Medium, Small and Non-Hub Airports</u></a> ACRP IT Workshop Panel	02/29/2012
<a href="#"><u>13-01-02</u></a>	<a href="#"><u>Alternative Models for Delivery of IT Services and Related Assets at Airports</u></a> ACRP IT Workshop Panel	02/29/2012
<a href="#"><u>13-01-03</u></a>	<a href="#"><u>Mitigating Disruptive Interference in the Unlicensed Spectrum at Airports (Wifi)</u></a> ACRP IT Workshop Panel	02/29/2012
<a href="#"><u>13-01-04</u></a>	<a href="#"><u>Potential Collection Mechanisms for Airport User Fees</u></a> Carl Newman (Phoenix Sky Harbor International Airport)	02/29/2012
<a href="#"><u>13-01-05</u></a>	<a href="#"><u>Formulating Standardized List of Capital Projects for Each ASSET Airport Category</u></a> Vivek Khanna (Oklahoma Aeronautics Commission)	03/02/2012
<a href="#"><u>13-01-06</u></a>	<a href="#"><u>Renewable Energy as an Airport Revenue Source</u></a> Thomas Thatcher, Richard E. Genday LR Kimball)	03/01/2012
<a href="#"><u>13-01-07</u></a>	<a href="#"><u>Cooperative Use and Reuse of Equipment Between Airports and Between Airports and Other Governmental Agencies</u></a> Debra K. Wilcox	03/02/2012
<a href="#"><u>13-01-08</u></a>	<a href="#"><u>Investigating Cloud Computing in the Small Airport Environment</u></a> Stuart R. Garrett (ARINC Incorporated)	03/02/2012
<a href="#"><u>13-01-09</u></a>	<a href="#"><u>Adapting and Unifying International Best Practices in Asset Management to the Aviation Community</u></a> John Przybyla (Woolpert, Inc)	03/02/2012
<a href="#"><u>13-01-10</u></a>	<a href="#"><u>Airport Rate-setting Methodology Choice and Airport Performance</u></a> Volodymyr Bilotkach (Newcastle Business School), David Ballard (GRA, Inc.)	03/02/2012

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<a href="#"><u>13-01-11</u></a>	<a href="#"><u>Guidebook for Promoting Diversity and Small Business Participation between Commercial Airports and Airport Business</u></a> Susan Warner Dooley (HNTB)	03/02/2012
<a href="#"><u>13-01-12</u></a>	<a href="#"><u>Best Practices of Social Networking for Airports</u></a> Karthik Ayodhiramanujan & Belinda Hargrove (TransSolutions)	03/02/2012
<a href="#"><u>13-02-01</u></a>	<a href="#"><u>Assessment of Acoustical Evaluation Methods for Sound Insulation Programs</u></a> John C. Freytag (Freytag & Associates, LLC)	02/29/2012
<a href="#"><u>13-02-02</u></a>	<a href="#"><u>Environmental and Emission Considerations for Airports</u></a> James M. Thom (Aviation Technology, Purdue University)	01/19/2012
<a href="#"><u>13-02-03</u></a>	<a href="#"><u>Assessment of Airport-Generated Ultrafine Particle Emissions on Community Public Health</u></a> Timothy R. McAuley (CHANGE), Robin North (Imperial College of London)	03/01/2012
<a href="#"><u>13-02-04</u></a>	<a href="#"><u>Developing Carbon Metrics for Airport Greenhouse Gas Emissions Inventories</u></a> Paul Sanford (KB Environmental Sciences, Inc.)	01/05/2012
<a href="#"><u>13-02-05</u></a>	<a href="#"><u>Development of NOx-to-NO2 Conversion Rates for Airport Air Quality Modeling</u></a> Mike Kenney (KB Environmental Sciences, Inc.)	03/01/2012
<a href="#"><u>13-02-06</u></a>	<a href="#"><u>Evaluation of Single Event Aircraft Noise Events on Noise</u></a> Jonathan Collette (Division of Aviation, City of Philadelphia)	02/20/2012
<a href="#"><u>13-02-07</u></a>	<a href="#"><u>Impact of General Aviation Aircraft Fuel Tank Sumping on Stormwater Runoff Quality</u></a> Paul A. Hagerty (Hagerty Environmental, LLC)	03/02/2012
<a href="#"><u>13-02-08</u></a>	<a href="#"><u>First-Generation Multimodal Transportation Environmental Analysis Tool</u></a> Thomas Connor (Wyle Laboratories)	03/02/2012
<a href="#"><u>13-02-09</u></a>	<a href="#"><u>Assessment of Public Health Risks from Airport Hazardous Air Pollutant (HAP) Emissions</u></a> Brian Kim (Wyle Laboratories), Roger Wayson (Volpe/NTSC, DOT)	02/02/2012

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<a href="#"><u>13-02-10</u></a>	<a href="#"><u>Guidance to Improve Ground Support Equipment (GSE) Operational Data for Airport Emissions Modeling</u></a> Brian Kim (Wyle Laboratories)	02/02/2012
<a href="#"><u>13-02-11</u></a>	<a href="#"><u>Noise Measurement Procedure for Federally Funded Airport Sound Insulation Programs</u></a> Ben H. Sharp (Wyle Laboratories)	03/09/2012
<a href="#"><u>13-02-12</u></a>	<a href="#"><u>Assessment of Methodologies to More Accurately Quantify Aircraft Emissions Under Low Power Conditions</u></a> Brian Kim (Wyle, Inc.)	02/02/2012
<a href="#"><u>13-02-13</u></a>	<a href="#"><u>Guidance Document for Helicopter Community Noise Prediction</u></a> Juliet Page (Wyle Laboratories)	03/07/2012
<a href="#"><u>13-03-01</u></a>	<a href="#"><u>Impact of Commercial Unmanned Aerial Systems or Vehicles (UAS/UAV) and Military Remotely Piloted Airplanes (RPAs) on the Public-use Airports in the United States</u></a> Kim Kenville (University of North Dakota, Dept. of Aviation)	02/02/2012
<a href="#"><u>13-03-02</u></a>	<a href="#"><u>Integrating Airport GIS Data into County or City GIS</u></a> Eva D. Vargas (RW Armstrong & Associates Inc.)	02/29/2012
<a href="#"><u>13-03-03</u></a>	<a href="#"><u>Guidance for Universal Flow Control Initiative Technologies</u></a> ACRP IT Workshop Panel	02/29/2012
<a href="#"><u>13-03-04</u></a>	<a href="#"><u>Modeling and Estimating Airport Capacity Using ASDE-X Data</u></a> Dipasis Bhadra (FAA APO), Jeffrey Wharff (FAA Office of Aviation Policy and Planning)	03/01/2012
<a href="#"><u>13-03-05</u></a>	<a href="#"><u>Constraints on Airport Growth and Implications on Forecasts</u></a> Dipasis Bhadra (FAA APO), Jeffrey Wharff (FAA Office of Aviation Policy and Planning)	03/01/2012
<a href="#"><u>13-03-06</u></a>	<a href="#"><u>Disease/Disaster Readiness Tool for Airports</u></a> Grace M. Hwang (The MITRE Corporation)	03/01/2012
<a href="#"><u>13-03-07</u></a>	<a href="#"><u>Conventional Airspace and UAS Interface</u></a> Debra K. Wilcox	03/02/2012

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<a href="#"><u>13-03-08</u></a>	<a href="#"><u>Determination of the Impact of Scheduled Service Cutbacks in Small Communities on Passenger Travel Behavior</u></a> Geoffrey Baskir (Parsons Brinckerhoff)	02/28/2012
<a href="#"><u>13-03-09</u></a>	<a href="#"><u>Reversing the Decline of General Aviation</u></a> Brett J. Godown (Page Municipal Airport), Michael Hotaling (C&S Engineers)	02/29/2012
<a href="#"><u>13-03-10</u></a>	<a href="#"><u>Guidebook for Airports in the Application of Section 106 of the National Historic Preservation Act</u></a> Michael G. Pouliot (NH DOT, Bureau of Aeronautics)	03/01/2012
<a href="#"><u>13-03-11</u></a>	<a href="#"><u>Guidebook of the Benefits and Impacts of NPIAS Obligations for Airports</u></a> Carol L. Niewola (NH DOT/Bureau of Aeronautics)	03/01/2012
<a href="#"><u>13-03-12</u></a>	<a href="#"><u>Development of a Web-based Air Passenger Survey Database (Resubmission of FY2012 Problem Statement 12-03-08)</u></a> Geoffrey Gosling (Aviation System Consulting, LLC)	03/01/2012
<a href="#"><u>13-03-13</u></a>	<a href="#"><u>Examination of Induced Demand at General Aviation Airports</u></a> William J. Willkie & John van Woensel (CH2M HILL), Mary Vigilante (Synergy Consultants), William Dunlay (Leigh Fisher)	03/01/2012
<a href="#"><u>13-03-14</u></a>	<a href="#"><u>Analysis of the Impact of Airline Consolidation on Underserved Markets—Ticket Pricing, Demand Forecast, and Mode Share</u></a> Lawrence D. Goldstein (TRB/ACRP)	03/06/2012
<a href="#"><u>13-03-15</u></a>	<a href="#"><u>Information Technology Applications in Managing Airport Landside Data</u></a> Geoffrey Gosling (Aviation System Consulting, LLC)	03/02/2012
<a href="#"><u>13-03-16</u></a>	<a href="#"><u>Guidebook of the General Federal Requirements of the Airport Sponsor Grant Assurances</u></a> Michael G. Pouliot (NH DOT, Bureau of Aeronautics)	03/02/2012
<a href="#"><u>13-03-17</u></a>	<a href="#"><u>Influence of Demographic and Socioeconomic Factors on Air Travel Demand</u></a> J. Paul Cripwell (NAV Canada) & Geoffrey Gosling (Aviation System Consulting)	03/02/2012
<a href="#"><u>13-04-01</u></a>	<a href="#"><u>Standoff Explosive Detection</u></a> Dennis Treece (Massachusetts Port Authority)	02/23/2012

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<a href="#"><u>13-04-02</u></a>	<a href="#"><u>COOP Best Practices</u></a> Michael Cheston (Seraph Inc.)	02/22/2012
<a href="#"><u>13-04-03</u></a>	<a href="#"><u>A Guidebook for Airport Safety Risk Management (SRM)</u></a> Roger Studenski (Jacksonville Aviation Authority)	02/03/2012
<a href="#"><u>13-04-04</u></a>	<a href="#"><u>Tower Hazard to Aviation, Mitigation</u></a> John V. DeThomas (Idaho Division of Aeronautics)	02/13/2012
<a href="#"><u>13-04-05</u></a>	<a href="#"><u>Carbon Dioxide Concentrations Associated with Dry Ice Carriage on Aircraft</u></a> Michael J. Murphy (Battelle)	03/02/2012
<a href="#"><u>13-04-06</u></a>	<a href="#"><u>Surface Cleaning and Impact on Disease Transmission in Airports and on Aircraft</u></a> John F. McCarthy (Environmental Health & Engineering, Inc.)	03/02/2012
<a href="#"><u>13-04-07</u></a>	<a href="#"><u>Ground Reservation Scheduling &amp; Enforcement for Emergency Management/Response Operations</u></a> James F. Smith (Smith-Woolwine Associates, Inc.), Joseph Grindrod (Florida Air National Guard)	04/20/2011
<a href="#"><u>13-04-08</u></a>	<a href="#"><u>International (Transborder) Airport-to-Airport Mutual Aid</u></a> James F. Smith (Smith -Woolwine Associates, Inc.)	03/01/2012
<a href="#"><u>13-04-09</u></a>	<a href="#"><u>Exploring Expanded Role into Emergency Management for State Aviation Offices and State Airport Operators Associations</u></a> James F. Smith (Smith -Woolwine Associates, Inc.)	04/20/2011
<a href="#"><u>13-04-10</u></a>	<a href="#"><u>Integrating Airport Wildlife Management into the Safety Management System</u></a> Cathy Boyles & Julia Schreacke (DFW Airport)	03/01/2012
<a href="#"><u>13-04-11</u></a>	<a href="#"><u>Wind Hazard Alert System for General Aviation Airport Control Towers</u></a> Lisa G. Spaeth (Ophir Corporation)	02/29/2012
<a href="#"><u>13-04-12</u></a>	<a href="#"><u>Safety Management System (SMS) - A Hazard Olap System for U.S. General Aviation Airports</u></a> Chien-tsung Lu & Vahid Motevalli (Purdue University, Dept. of Aviation Technology)	03/01/2012

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<a href="#"><u>13-04-13</u></a>	<a href="#"><u>Development of a Solar Glare Assessment Tool to Protect Airspace</u></a> Stephen Barrett & Philip DeVita (Harris Milller Miller & Hanson Inc.)	03/02/2012
<a href="#"><u>13-04-14</u></a>	<a href="#"><u>Automation of Aircraft Movement in Commercial Airports for Optimization and Risk Reduction</u></a> Vahid Motevalli & Karen Marais (Purdue University)	03/02/2012
<a href="#"><u>13-04-15</u></a>	<a href="#"><u>Cognitive Agent-Based Research of Passenger Evacuation and Re-Screening</u></a> Larry M. Bryant (Applied Research Associates, Inc.), Kenneth Herrle (Applied Research Associates)	03/02/2012
<a href="#"><u>13-04-16</u></a>	<a href="#"><u>Civil Aircraft Accidents—An Assessment of Accident Location and Creation of an Analysis Model for Land Use Compatibility</u></a> Geoffrey Gosling (Aviation System Consulting, LLC)	03/02/2012
<a href="#"><u>13-04-17</u></a>	<a href="#"><u>Cost Efficient and Effective Airport Perimeter Safety and Security</u></a> Courtney L. Tucker (TranSecure, Inc.)	03/02/2012
<a href="#"><u>13-05-01</u></a>	<a href="#"><u>Cybersecurity Best Practices at Airports</u></a> ACRP IT Workshop Panel	02/29/2012
<a href="#"><u>13-05-02</u></a>	<a href="#"><u>Best Security Practices for the Non-Commercial Airports</u></a> Chien-tsung Lu & Stewart Schreckengast (Purdue University, Dept. of Aviation Technology)	03/01/2012
<a href="#"><u>13-06-01</u></a>	<a href="#"><u>Adverse Health and Safety Associated with Fatigue in Ramp Workers</u></a> Laura K. Barger & Charles A. Czeisler (Harvard Medical School, Brigham & Women's Hospital)	03/02/2012
<a href="#"><u>13-06-02</u></a>	<a href="#"><u>A Guidebook for Portfolio Management for Airports</u></a> Ali Touran (Northeastern University), Baabak Ashuri (Georgia Institute of Technology)	03/02/2012
<a href="#"><u>13-06-03</u></a>	<a href="#"><u>Operational Neuroscience for Improved Safety in Airport</u></a> Amy Kruse & John Main (Intific Inc.)	03/02/2012
<a href="#"><u>13-07-01</u></a>	<a href="#"><u>A Quantitative Baseline for Part 139 Airport Airside Risks</u></a> Manuel Ayres Aircraft Safety Management Consultants, LLC) & Amiy Varma (ND State University)	02/28/2012

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<a href="#"><u>13-07-02</u></a>	<a href="#"><u>Planning, Design, and Operation of Airports for Aging Airport Travelers</u></a> James F. Smith (Smith -Woolwine Associates, Inc.) & Amiy Varmy (ND State University)	02/27/2012
<a href="#"><u>13-07-03</u></a>	<a href="#"><u>Design and Operational Differences between Origin and Destination Airports and Connecting Airports</u></a> James F. Smith (Smith -Woolwine Associates, Inc.) & Amiy Varmy (ND State University)	03/01/2012
<a href="#"><u>13-07-04</u></a>	<a href="#"><u>Design Standards to Minimize Disease Spread</u></a> Grace M. Hwang (The MITRE Corporation)	03/02/2012
<a href="#"><u>13-07-05</u></a>	<a href="#"><u>Modifying Group V Airfields for Group VI Aircraft</u></a> Stanley M. Herrin (Crawford, Murphy & Tilly, Inc.)	03/02/2012
<a href="#"><u>13-07-06</u></a>	<a href="#"><u>Jet Blast Load Study for EMAS</u></a> Matt Barsotti (Protection Engineering Consultants, LLC, & ACRP Project 07-03)	02/29/2012
<a href="#"><u>13-07-07</u></a>	<a href="#"><u>Guidebook for Urban and Airport Automated Transportation Network Planning</u></a> Matthew Lesh (US DOT) & Peter J. Muller (PRT Consulting, Inc)	03/01/2012
<a href="#"><u>13-07-08</u></a>	<a href="#"><u>Effects on Airports of State DOT's Adopting the Use of "Warm Mix Asphalt"</u></a> Robin Sukley (Penn DOT, Bureau of Aviation)	03/02/2012
<a href="#"><u>13-09-01</u></a>	<a href="#"><u>LED Runway and Taxiway Light Operation and Maintenance Considerations</u></a> Thomas P. Thatcher & Richard E. Genday (LR Kimball)	03/01/2012
<a href="#"><u>13-09-02</u></a>	<a href="#"><u>Advancing Airport Pavement Management with Use of Deflection Data</u></a> Vivek Khanna (Oklahoma Aeronautics Commission)	03/02/2012
<a href="#"><u>13-09-03</u></a>	<a href="#"><u>Tracking, Identifying and Visualizing Maintenance Requirements and Maintenance Records to Improve Airport Maintenance Management</u></a> Semiha Ergan & Burcu Akinci (Carnegie Mellon University, Dept. of Civil and Env. Engineering)	03/02/2012
<a href="#"><u>13-09-04</u></a>	<a href="#"><u>Benchmarking Terminal Energy End Uses: Determining Priorities for Future Upgrades</u></a> Colin K. Rohlfsing, Jim Wilson, & Isilay Civan (HOK)	03/01/2012

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<a href="#"><u>13-09-05</u></a>	<a href="#"><u>Choosing Building Materials to Maximize Return on Investment and Minimize Operations and Maintenance</u></a> Colin K. Rohlfig, Jim Wilson, & Isilay Civan (HOK)	03/01/2012
<a href="#"><u>13-09-06</u></a>	<a href="#"><u>Recommended Best Practices for Rehabilitation, Reconstruction and Strengthening of Asphalt Runways</u></a> Sati Satyamurti	03/05/2012
<a href="#"><u>13-10-01</u></a>	<a href="#"><u>Optimizing and Integrating Airline and Airport Self-Service</u></a> ACRP IT Workshop Panel	02/29/2012
<a href="#"><u>13-10-02</u></a>	<a href="#"><u>Leveraging Existing Video Systems for Improving Airport Operations and Non Security Integration at Airports</u></a> ACRP IT Workshop Panel	02/29/2012
<a href="#"><u>13-10-03</u></a>	<a href="#"><u>Guidelines for Improving Taxicab, Limousine, and Shared-Ride Van Operations at Airports</u></a> Randall D. Berg (Salt Lake City Dep. Of Airports), F. Paul Martinez (DFW Airport) & Peter Mandle (LeighFisher)	03/01/2012
<a href="#"><u>13-10-04</u></a>	<a href="#"><u>Transferring Lessons Learned from Perturbed Operations to Normal Operations</u></a> James F. Smith (Smith-Woolwine Associates, Inc.)	03/01/2012
<a href="#"><u>13-10-05</u></a>	<a href="#"><u>Improving Efficiency and Safety of Fuel Operations with Information Technologies</u></a> Bruno Miller (Metron Aviation, Inc.)	03/02/2012
<a href="#"><u>13-10-06</u></a>	<a href="#"><u>Integrated and Comprehensive Management of GA Airport Maintenance Operations</u></a> Thomas Thatcher & Richard E. Genday (LR Kimball)	03/01/2012
<a href="#"><u>13-10-07</u></a>	<a href="#"><u>Airport Communications Center Technologies and Design</u></a> Connie Proctor (Salt Lake City Dept. of Airports)	03/02/2012
<a href="#"><u>13-10-08</u></a>	<a href="#"><u>Information Guide and Tools for Deploying Common Data Sharing with U.S. CDM</u></a> Jim Miller (Denver International Airport) & Frank Barich (Barich, Inc.)	03/02/2012
<a href="#"><u>13-10-09</u></a>	<a href="#"><u>Low Cost Immersive Airport Driving Trainers</u></a> John Main (Intific, Inc.)	03/02/2012



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<a href="#"><u>13-10-10</u></a>	<a href="#"><u>Sustainable, Energy Saving, Reliable 400 Hertz Power For Aircraft</u></a> Rajendera K. Kapoor (LNV)	03/02/2012
<a href="#"><u>13-10-11</u></a>	<a href="#"><u>Airport Jet-Way Maintenance and Operation Impact on Aircraft ECS</u></a> Richard Fox (Honeywell Aerospace)	03/05/2012