

Note: Includes Resubmitted FY 2014 Problem Statements

Total Problem Statements: 101

Problem Statement Number	Title / Submitter (Agency)	Author Funding Amount	Duration (Months)	Date Submitted
<b>Research Field 01: Administration (9 Problem Statements)</b>				
<a href="#">14-01-01</a>	<a href="#">Airline and Government Functions--How These Roles Adjust to Changing Times</a>	\$150,000	12	3/8/2013
	Mark H. Mellinger (Northwest Arkansas Regional Airport)			
<a href="#">14-01-06</a>	<a href="#">Consistent Data Reporting by Airports</a>	\$400,000	18	3/15/2013
	Joanne Landry (Landry Consultants, and Theodore Mansfield, Institute for Transportation Research and Education)			
<a href="#">14-01-09</a>	<a href="#">Managing Relationships with Airport Stakeholders, Partners, and Users</a>	\$200,000	12	3/15/2013
	Robert "Rusty" Chapman (Delta Airport Consultants, Inc.)			
<a href="#">15-01-01</a>	<a href="#">Developing an Airport Social Media Program</a>	\$450,000	18	3/5/2014
	Steve Gentry (Metropolitan Airports Commission)			
<a href="#">15-01-02</a>	<a href="#">Tool to Access ACRP-Airport Case Studies to Facilitate Information Sharing</a>	\$250,000	12	3/19/2014
	Kevin A. Gurchak (Allegheny County Airport Authority, Pittsburgh International Airport)			
<a href="#">15-01-03</a>	<a href="#">Automation of Traffic Counting and Conflict Alerting</a>	\$450,000	15	3/19/2014
	Jerry Drew (Pleasanton Municipal Airport Board and Chris Buffum)			
<a href="#">15-01-04</a>	<a href="#">Evaluating the Historic Significance of World War II-Era Airfields</a>	\$100,000	12	3/19/2014
	Katherine Andrus (FAA, AEE-400 Environmental Policy & Ops Division)			
<a href="#">15-01-05</a>	<a href="#">Estimating the Regional Economic Benefits of Airports Using Quasi-Experimental Methods</a>	\$400,000	12	3/19/2014
	Thomas Hall (Christopher Newport University, Joseph W. Luter III School of Business)			

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<a href="#">15-01-06</a>	<a href="#">Airport Stormwater Management—Compilation, Update, and Training Materials</a>	\$350,000	18	3/24/2014

Kevin A. Gurchak (Allegheny County Airport Authority, Pittsburgh International Airport)

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<i>Research Field 02: Environment (25 Problem Statements)</i>				
<a href="#"><u>14-02-14</u></a>	<a href="#"><u>Methodology to Improve AEDT Quantification of Terminal Area Aircraft Performance</u></a>	\$400,000	18	3/15/2013
	Greg Raiffa (Booz Allen Hamilton)			
<a href="#"><u>14-02-19</u></a>	<a href="#"><u>High Altitude Aircraft Noise Methodology for AEDT/INM</u></a>	\$460,000	24	3/14/2013
	Eric R. Boeker (US DOT, John A. Volpe National Transp. Systems Center, and Natalia Sizov, TRB SDC40)			
<a href="#"><u>14-02-32</u></a>	<a href="#"><u>Improve Ground Access Vehicle Emissions Modeling</u></a>	\$300,000	14	3/19/2013
	Brian Kim (Wyle, Inc., Environmental and Energy Research)			
<a href="#"><u>14-02-33</u></a>	<a href="#"><u>The Effects of Buildings on Airport Noise Contours</u></a>	\$200,000	12	3/15/2013
	Joseph J. Czech (Wyle, Environmental and Energy Research and Consulting)			
<a href="#"><u>15-02-01</u></a>	<a href="#"><u>Methods for Cost-Effective Management of Airport Environmental Programs</u></a>	\$300,000	14	3/19/2014
	Kim McGreal (Cleveland Airport System)			
<a href="#"><u>15-02-02</u></a>	<a href="#"><u>Cooperative Airport and Airline Extreme Weather and Climate Risk Assessment, Resiliency and Adaptation Planning</u></a>	\$175,000	16	3/19/2014
	Nancy Young (Airlines for America (A4A))			
<a href="#"><u>15-02-03</u></a>	<a href="#"><u>Development of Aircraft Flight Path Dispersion Models for AEDT</u></a>	\$450,000	24	3/19/2014
	Kevin Bradley (Blue Ridge Research and Consulting, LLC)			
<a href="#"><u>15-02-04</u></a>	<a href="#"><u>Optimization of Deicer Treatment Operations and Cost</u></a>	\$200,000	15	3/19/2014
	Timothy Arendt (Greshan, Smith and Partners)			
<a href="#"><u>15-02-05</u></a>	<a href="#"><u>Regulations and Guidelines for Green Procurement</u></a>	\$300,000	14	3/19/2014
	Sharon Douglas (Hartsfield-Jackson Atlanta International Airport)			

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<a href="#">15-02-06</a>	<a href="#">Nationwide Survey of General Aviation Aircraft Fuel Tank Sampling Practices</a> Paul A. Hagerty (Hagerty Environmental, LLC)	\$200,000	18	3/19/2014
<a href="#">15-02-07</a>	<a href="#">Impact of General Aviation Aircraft Fuel Tank Sampling on Stormwater Quality</a> Paul A. Hagerty (Hagerty Environmental, LLC)	\$500,000	24	3/19/2014
<a href="#">15-02-08</a>	<a href="#">Recovering International Recyclables from In-flight Service</a> Liza Milagro (Hartsfield-Jackson Atlanta International Airport)	\$490,000	19	3/19/2014
<a href="#">15-02-09</a>	<a href="#">Incorporating Green Infrastructure for Stormwater Management at Airports</a> Polly Sattler (Hartsfield-Jackson Atlanta International Airport)	\$350,000	18	3/19/2014
<a href="#">15-02-10</a>	<a href="#">Guidebook for NEPA Review Re-evaluation</a> Clint Morrow (KB Environmental Sciences, Inc.)	\$200,000	12	3/19/2014
<a href="#">15-02-11</a>	<a href="#">Managing Perfluorocarbon Impacts at Airports</a> Andrew H. Thalheimer (Dillon Consulting Limited)	\$480,000	24	3/19/2014
<a href="#">15-02-12</a>	<a href="#">Tool to Generate ASIF Files for AEDT Calculations</a> Gareth Horton (Ricardo-AEA)	\$250,000	15	3/14/2014
<a href="#">15-02-13</a>	<a href="#">Understanding and Quantifying Helicopter Emissions</a> Brian Kim (Wyle, Inc., Environmental and Energy Research)	\$500,000	18	3/13/2014
<a href="#">15-02-14</a>	<a href="#">Develop a GIS Tool for Calculating and Plotting Spaceport Launch Noise Contours</a> Tim Casey (HDR Engineering, Inc.)	\$500,000	21	3/19/2014
<a href="#">15-02-15</a>	<a href="#">Develop a Standard Noise Assessment Methodology for Spaceport Noise Analysis</a> Tim Casey (HDR Engineering, Inc.)	\$500,000	18	3/19/2014

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<a href="#"><u>15-02-16</u></a>	<a href="#"><u>Develop a Standardized Sonic Boom Model for Commercial Spaceports</u></a> Tim Casey (HDR Engineering, Inc.)	\$450,000	21	3/19/2014
<a href="#"><u>15-02-17</u></a>	<a href="#"><u>Adjustment in the AEDT Model for Modern Load Factors</u></a> Bert Ganoung (San Francisco International Airport and Paul Dunholter, BridgeNet International)	\$300,000	16	3/19/2014
<a href="#"><u>15-02-18</u></a>	<a href="#"><u>Evaluating The Compatibility Of Solar Energy Projects With Airport Operations</u></a> Gael Le Bris (Paris-CDG Airport (LFPG), Aeroports of Paris S.A.)	\$300,000	18	3/19/2014
<a href="#"><u>15-02-19</u></a>	<a href="#"><u>Impact of Acute Exposure to Deicing Fluids Containing Benzalkonium Chloride to the Endangered Bufo Marinus and Procambarus Clarkii</u></a> Shamira A. Brown	--	--	3/19/2014
<a href="#"><u>15-02-20</u></a>	<a href="#"><u>Impact of Runway Expansion on the Endangered Pseudacris Streckeri Illinoisensis</u></a> Shamira A. Brown	--	--	3/19/2014
<a href="#"><u>15-02-21</u></a>	<a href="#"><u>Communicating with Airport Communities Using Simulation and Auralization Techniques</u></a> Juliet A. Page (and Kenneth J. Plotkin, Wyle Laboratories, Inc.)	\$400,000	24	3/13/2014

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<b><i>Research Field 03: Policy and Planning (16 Problem Statements)</i></b>				
<a href="#"><u>15-03-01</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)	\$150,000	18	1/10/2014
<a href="#"><u>15-03-02</u></a>	<a href="#"><u>The Basics of the Airport Block Grant Program</u></a> Carol L. Niewola (NH DOT/Bureau of Aeronautics)	\$250,000	15	1/9/2014
<a href="#"><u>15-03-03</u></a>	<a href="#"><u>Impacts of GPS Approach Development on Airport Infrastructure</u></a> Mark Johnson (Livingston County Spencer J. Hardy Airport)	\$250,000	15	3/11/2014
<a href="#"><u>15-03-04</u></a>	<a href="#"><u>Impact of Light Rail on Airport Safety &amp; Security</u></a> Stephen J. Marlovits, Jr. (Salt Lake City Departments of Airports)	\$300,000	18	3/6/2014
<a href="#"><u>15-03-05</u></a>	<a href="#"><u>Effects of Wind Turbines' Wake Turbulence on General Aviation Aircraft and Airports</u></a> Yasmina Platt (Aircraft Owners and Pilots Association (AOPA))	\$400,000	18	3/19/2014
<a href="#"><u>15-03-06</u></a>	<a href="#"><u>Standardized Models for Commercial Spaceport Noise and Sonic Boom</u></a> Kenneth J. Plotkin (Wyle)	\$250,000	18	3/18/2014
<a href="#"><u>15-03-07</u></a>	<a href="#"><u>Tracking Aviation Alternative Fuel</u></a> Bruno Miller (Metron Aviation)	\$400,000	18	3/19/2014
<a href="#"><u>15-03-08</u></a>	<a href="#"><u>Influence of Demographic Factors on Air Passenger Demand</u></a> J. Paul Cripwell (NAV CANADA and Geoffrey Gosling, Aviation Systems Consulting)	\$350,000	24	3/19/2014
<a href="#"><u>15-03-09</u></a>	<a href="#"><u>Best Practices for Using the Building Information Modeling Process for Airports</u></a> Mark I. Hughes (Transportation/Aviation West Region)	\$500,000	12	3/19/2014

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<a href="#"><u>15-03-10</u></a>	<a href="#"><u>Deregulating Airports: Is This An Answer To Aviation's Financial Dilemma</u></a>  Laurie K. Cullen (Atkins North America, TRB AV010 Committee)	\$400,000	18	3/19/2014
<a href="#"><u>15-03-11</u></a>	<a href="#"><u>UAS Impacts on Ground Operations – Considerations for Airport Operators and Tenants</u></a>  Kenneth P. Neubauer (Futron Corporation)	\$500,000	18	2/10/2014
<a href="#"><u>15-03-12</u></a>	<a href="#"><u>Public Relations and UAS Operations - Issues Facing Airports and Their Surrounding Communities</u></a>  Kenneth P. Neubauer (Futron Corporation)	\$350,000	15	3/19/2014
<a href="#"><u>15-03-13</u></a>	<a href="#"><u>Economic Development Opportunities from UAS Integration - Growing a Community Through UAS Introduction at Airports</u></a>  Kenneth P. Neubauer (Futron Corporation)	\$500,000	18	3/19/2014
<a href="#"><u>15-03-14</u></a>	<a href="#"><u>Proposed Guidebook: Incorporating Economic Concepts into Airport System Planning</u></a>  Frank Berardino (GRA Inc.)	\$440,000	18	3/19/2014
<a href="#"><u>15-03-15</u></a>	<a href="#"><u>Using GIS for Local Government Management of Airspace Obstructions and Airport Land Use Compatibility</u></a>  Mihir P. Shah (South Carolina Aeronautics Commission)	\$150,000	9	3/19/2014
<a href="#"><u>15-03-16</u></a>	<a href="#"><u>Special and Joint Use Airports for UAS - Advantages and Limitations of Operating UAS from Specialized Airports</u></a>  Kenneth P. Neubauer (Futron Corporation)	\$300,000	15	3/19/2014

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<b><i>Research Field 04: Safety (13 Problem Statements)</i></b>				
<a href="#"><u>14-04-02</u></a>	<a href="#"><u>Threat Vulnerability Assessment (TVA) Utility at Airports</u></a> Mike Cheston (Faith Group, LLC)	\$150,000	12	2/28/2013
<a href="#"><u>14-04-09</u></a>	<a href="#"><u>Risk Models for Runway Excursions of Light Aircraft</u></a> Geoffrey Baskir (FAA Runway Safety Office)	\$400,000	24	3/15/2013
<a href="#"><u>14-04-11</u></a>	<a href="#"><u>Airport Emergency Planning Template-National Incident Management System-Incident Command System Compliance</u></a> Donald W. Griffith (Innovative Emergency Management, Inc.)	\$400,000	18	3/15/2013
<a href="#"><u>14-04-13</u></a>	<a href="#"><u>Comprehensive Emergency Response Exercises</u></a> Daniel Findley (Institute for Transp. Research and Education)	\$200,000	12	3/15/2013
<a href="#"><u>15-04-01</u></a>	<a href="#"><u>Airport Light Emissions Model and Impact Standards Development</u></a> Aaron Braswell (FAA, Memphis Airports District Office (MEM-ADO))	\$350,000	18	3/19/2014
<a href="#"><u>15-04-02</u></a>	<a href="#"><u>Airport Rescue and Firefighting Communications and Capabilities During Hazardous Materials Accidents</u></a> Christopher Glasow (Federal Aviation Administration, Office of Hazardous Materials Safety (ADG-11))	\$200,000	18	3/12/2014
<a href="#"><u>15-04-03</u></a>	<a href="#"><u>Wingtip Collisions on the Ground</u></a> Geoffrey Baskir (FAA Runway Safety Office)	\$400,000	24	3/19/2014
<a href="#"><u>15-04-04</u></a>	<a href="#"><u>Modernizing Airport Emergency Response</u></a> John M. Murray (Daytona Beach International Airport)	\$350,000	18	3/18/2014
<a href="#"><u>15-04-05</u></a>	<a href="#"><u>Developing Arresting Systems for Small Aircraft</u></a> Thomas F. Mahoney (Massachusetts DOT)	\$350,000	15	3/17/2014



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<a href="#"><u>15-04-06</u></a>	<a href="#"><u>Bayesian Network Decision Support for Runway Incursions and Mitigations</u></a> Benjamin Goodheart (Aviation Safety, Airsure Limited)	\$350,000	24	3/17/2014
<a href="#"><u>15-04-07</u></a>	<a href="#"><u>Assessing Safety Climate in Airport Ground Operations</u></a> Benjamin Goodheart (Aviation Safety, Airsure Limited)	\$270,000	24	3/18/2014
<a href="#"><u>15-04-08</u></a>	<a href="#"><u>A Guidebook for Probabilistic/Predictive Risk Assessment in Airport Applications</u></a> Benjamin Goodheart (Aviation Safety, Airsure Limited)	\$240,000	24	3/18/2014
<a href="#"><u>15-04-09</u></a>	<a href="#"><u>Synthetic Intelligence to Improve Airport, Safety, Security &amp; Situational Awareness</u></a> Jim McMichael (Atrivu)	\$450,000	9	3/19/2014

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<i>Research Field 06: Human Resources (3 Problem Statements)</i>				
<a href="#"><u>14-06-03</u></a>	<a href="#"><u>Assessing, Building, and Retaining Workforce Capacity in the Aviation Industry</u></a>	\$500,000	--	3/15/2013
	Candace Blair Cronin (ICF International)			
<a href="#"><u>15-06-01</u></a>	<a href="#"><u>Best Practices for Airports in Family Assistance After an Aviation</u></a>	\$300,000	18	3/19/2014
	Matt Cornelius (and Mike Crook, Airports Council International - North America)			
<a href="#"><u>15-06-02</u></a>	<a href="#"><u>Fatigue Management for Ramp Workers</u></a>	\$500,000	24	3/14/2014
	Charles A. Czeisler (and Laura K Barger, Harvard Medical School)			

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<i>Research Field 07: Design (5 Problem Statements)</i>				
<a href="#"><u>15-07-01</u></a>	<a href="#"><u>Ancillary Airport Terminal Restroom Spaces Planning and Design</u></a> Jens Rothausen-Vange (Architectural Alliance International)	\$350,000	16	3/14/2014
<a href="#"><u>15-07-02</u></a>	<a href="#"><u>Guidebook on Airport Coordinate System</u></a> Claude G. Stargen (and Cheryl W. Chan, CSC Aviation Consultants)	\$200,000	15	3/9/2014
<a href="#"><u>15-07-03</u></a>	<a href="#"><u>Runway Safety Area Design Criteria Amendment Based on Soil Strengths</u></a> Abhijit Bathe (URS Corporation)	\$600,000	18	3/19/2014
<a href="#"><u>15-07-04</u></a>	<a href="#"><u>Acoustical Design Guidelines to Improve Intelligibility of PA Systems in Airport Terminals</u></a> Tim Casey (HDR Engineering, Inc.)	\$500,000	18	3/19/2014
<a href="#"><u>15-07-05</u></a>	<a href="#"><u>Seismic Response of Full-Scale Fully Functional Airport Control Towers</u></a> Tara C. Hutchinson (University of California, San Diego)	\$500,000	24	3/19/2014

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<i>Research Field 08: Construction (4 Problem Statements)</i>				
<a href="#"><u>15-08-01</u></a>	<a href="#"><u>Conducting Safe Construction Works on an Operative Runway</u></a> Gael Le Bris (Paris-CDG Airport (LFPG), Aeroports of Paris S.A.)	\$300,000	18	3/19/2014
<a href="#"><u>15-08-02</u></a>	<a href="#"><u>Best Practices for Managing Airport Safety and Operations During Airport Construction/Maintenance</u></a> Lawrence L. Smith (ASCE APM Cmtes)	\$500,000	18	3/19/2014
<a href="#"><u>15-08-03</u></a>	<a href="#"><u>Best Practices Guidebook for Strategically Incorporating Pervious Pavement</u></a> Aaron Davis (Hartsfield-Jackson Atlanta International Airport)	\$350,000	15	3/19/2014
<a href="#"><u>15-08-04</u></a>	<a href="#"><u>Utilization of Pelletized Polymer-Modified Asphalt Binders in Airport Applications</u></a> Seriji Amirkhanian (University of Alabama, Construction and Environmental Engineering)	\$400,000	24	3/19/2014

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<b><i>Research Field 09: Maintenance (9 Problem Statements)</i></b>				
<a href="#"><u>14-09-01</u></a>	<a href="#"><u>Best Practices Guide: Smoothness Remediation for Airport Paving Projects</u></a> Tony Gerardi (APR Consultants, Inc.)	\$450,000	24	2/20/2013
<a href="#"><u>14-09-03</u></a>	<a href="#"><u>Using Deflection Data to Develop a Mechanistic Pavement Distress Index and FWD Estimated Modulus Decay Models</u></a> Vivek Khanna (Oklahoma Aeronautics Commission)	\$775,368	24	3/13/2013
<a href="#"><u>14-09-05</u></a>	<a href="#"><u>Reading and Understanding Blueprints/Drawings/Specifications/ Geographic Information Systems (GIS) for Non-Technical Staff</u></a> Travis Crilly (Blue Grass Airport)	\$200,000	10	3/20/2013
<a href="#"><u>15-09-01</u></a>	<a href="#"><u>Asset Preservation / The True Cost of Deferred Maintenance</u></a> Peter L. Higgins (Salt Lake City Departments of Airports, Maintenance Division)	\$250,000	18	3/12/2014
<a href="#"><u>15-09-02</u></a>	<a href="#"><u>Airport Utility Metering Protocol</u></a> Kenneth McNamee (Stantec)	\$500,000	24	3/9/2014
<a href="#"><u>15-09-03</u></a>	<a href="#"><u>Portable End-use Metering System Demonstration Project for Energy/Water End-Use Measurements at Airport Terminal Buildings</u></a> Jeff S. Haberl (Energy Systems Laboratory, The Texas A&M University)	\$500,000	24	3/19/2014
<a href="#"><u>15-09-04</u></a>	<a href="#"><u>Prototype Energy Performance Simulation Tool for Airport</u></a> Soolyeon Cho (NC State University)	\$450,000	36	3/19/2014
<a href="#"><u>15-09-05</u></a>	<a href="#"><u>Airport Terminal Energy Benchmarking Tool</u></a> Adam Klauber (ICF International and Texas A&M)	\$450,000	16	3/21/2014
<a href="#"><u>15-09-06</u></a>	<a href="#"><u>Incorporating Life Cycle Cost Considerations in Airport Facilities Procurement</u></a> Richard Marchi (and Chris Oswald, ACI-NA)	\$500,000	18	3/9/2014

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<b><i>Research Field 10: Operations (17 Problem Statements)</i></b>				
<a href="#"><u>14-10-04</u></a>	<a href="#"><u>Use of Campus Notification and Lockdown System</u></a>	\$200,000	12	3/10/2013
	Joanne Landry (Landry Consultants, and Theodore Mansfield, Institute for Transportation Research and Education)			
<a href="#"><u>14-10-06</u></a>	<a href="#"><u>Training of Non-Airport Personnel for Response to Airport Emergencies and Unusual Occurrences</u></a>	\$250,000	18	3/15/2013
	Daniel Findley (Institute for Transp. Research and Education)			
<a href="#"><u>14-10-09</u></a>	<a href="#"><u>Coordinating Glider Activities with Powered Aircraft Operations at Airports</u></a>	\$300,000	15	3/15/2013
	Zachary Puchacz (Mead & Hunt, Inc.)			
<a href="#"><u>15-10-01</u></a>	<a href="#"><u>Airfield Location and Situational Awareness System for Airfield Vehicles</u></a>	\$300,000	15	3/9/2014
	Claude G. Stargen (and Cheryl W. Chan, CSC Aviation Consultants)			
<a href="#"><u>15-10-02</u></a>	<a href="#"><u>Airport Planning for International Diversions</u></a>	\$350,000	18	3/19/2014
	Rose Agnew (Aviation Innovation, LLC)			
<a href="#"><u>15-10-03</u></a>	<a href="#"><u>Best Practices for Airport Ramp Operations</u></a>	\$350,000	18	3/19/2014
	Rose Agnew (Aviation Innovation, LLC)			
<a href="#"><u>15-10-04</u></a>	<a href="#"><u>Customized Weather Forecasts for Improved Winter Airport Operations</u></a>	\$485,000	12	3/14/2014
	Michael Carlson (Denver International Airport)			
<a href="#"><u>15-10-05</u></a>	<a href="#"><u>Best Practices for Flight Operation Advisories at Non-Towered Airports</u></a>	\$250,000	12	4/15/2014
	Brian McKeehan (Delta Airport Consultants, Inc.)			
<a href="#"><u>15-10-06</u></a>	<a href="#"><u>Alternative Anti-Icing Airfield Runway Systems</u></a>	\$450,000	30	3/19/2014
	Geoffrey Baskir (FAA Runway Safety Office)			

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<a href="#"><u>15-10-07</u></a>	<a href="#"><u>Developing Cost Effective Foreign Object Debris Detection Systems</u></a> Geoffrey Baskir (FAA Runway Safety Office)	\$400,000	24	3/19/2014
<a href="#"><u>15-10-08</u></a>	<a href="#"><u>Developing Cost Effective Aircraft Traffic Monitoring Systems</u></a> Geoffrey Baskir (FAA Runway Safety Office)	\$400,000	24	3/19/2014
<a href="#"><u>15-10-09</u></a>	<a href="#"><u>Making Sense of the Notice to Airmen (NOTAM) Process for Airports</u></a> Nicholas Hunter (CNA Corporation)	\$400,000	15	3/17/2014
<a href="#"><u>15-10-10</u></a>	<a href="#"><u>Driver Assist for Winter Airfield Maintenance Operations</u></a> Carl Braley (Manchester-Boston Regional Airport)	\$500,000	--	3/19/2014
<a href="#"><u>15-10-11</u></a>	<a href="#"><u>Incorporating Aircraft-Sensed Data into Runway Status Decisions During Winter Operations</u></a> Rafal Kicingier (Metron Aviation)	\$350,000	18	3/19/2014
<a href="#"><u>15-10-12</u></a>	<a href="#"><u>Improving Airport Ramp Operations Using Computer-Vision-Based Technologies</u></a> Alex Huang (Optimal Synthesis, Inc.)	\$370,000	18	3/19/2014
<a href="#"><u>15-10-13</u></a>	<a href="#"><u>Guidance for Establishing Airport Apron Ramp Towers</u></a> Richard Marchi (and Chris Oswald, ACI-NA)	\$350,000	--	3/19/2014
<a href="#"><u>15-10-14</u></a>	<a href="#"><u>Best Management Practices in Coordinating Airfield Changes</u></a> Gael Le Bris (Paris-CDG Airport (LFPG), Aeroports of Paris S.A.)	\$200,000	12	3/19/2014