2019 CRA/CCC Leadership in Science Policy Institute

INTERACTING WITH AGENCIES/CREATING NEW INITIATIVES

November 22, 2019

Intelligent Transportation Systems Joint Program Office

U.S. Department of Transportation
### WINDSHEAR CRASHES

<table>
<thead>
<tr>
<th>Airline/Flight</th>
<th>Location</th>
<th>Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ozark Airlines Flight 809</td>
<td>Normandy, MO</td>
<td>1973</td>
</tr>
<tr>
<td>Eastern Air Lines Flight 66</td>
<td>New York City, NY</td>
<td>1975</td>
</tr>
<tr>
<td>Continental Airlines Flight 426</td>
<td>Denver, CO</td>
<td>1975</td>
</tr>
<tr>
<td>Allegheny Airlines Flight 121</td>
<td>Philadelphia, PA</td>
<td>1976</td>
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<tr>
<td>Continental Airlines Flight 63</td>
<td>Tucson, AZ</td>
<td>1977</td>
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<tr>
<td>USAir Flight 179</td>
<td>Dayton, OH</td>
<td>1982</td>
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<tr>
<td>Pan American Flight 759</td>
<td>New Orleans, LA</td>
<td>1982</td>
</tr>
<tr>
<td>USAir Flight 183</td>
<td>Detroit, MI</td>
<td>1984</td>
</tr>
<tr>
<td>United Airlines Flight 663</td>
<td>Denver, CO</td>
<td>1984</td>
</tr>
<tr>
<td>Delta Airlines Flight 191</td>
<td>Dallas, TX</td>
<td>1985</td>
</tr>
<tr>
<td>USAir Flight 1016</td>
<td>Charlotte, NC</td>
<td>1994</td>
</tr>
</tbody>
</table>

Cockpit Voice Recorder Database, visit at [www.tailstrike.com](http://www.tailstrike.com)
CREATING NEW INITIATIVES – THINK LIKE A SCIENTIST, PROGRAM MANAGER, BUREAUCRAT, POLITICIAN, AND CITIZEN

Have a strategy
Know your science, what it can do, by when
Identify the problem/need you will solve
Identify the stakeholders/competitors/naysayers
Identify key authorities, processes, constraints, limitations, and barriers
Build the business case
Identify champions and partners
Manage priorities
Manage risks and mitigation strategies
Work, communicate, deliver
Beware the valley of death
HAVE AND KNOW THE STRATEGY
The ITS JPO’s role is to coordinate the U.S. DOT’s ITS research and deployment portfolio.
MOVING FORWARD – A NEW ITS JPO STRATEGIC PLAN

VISION

Accelerate the use of ITS to transform the way society moves.

MISSION

The ITS JPO leads collaborative and innovative research, development, and implementation of intelligent transportation systems technologies to improve safety and mobility for all.
A PROJECT MANAGEMENT OFFICE (PMO) FOR ACCOUNTABILITY

The PMO Hub has provided the ITS JPO with robust reporting capabilities, and an enhanced method of analyzing complex program data with transparency within the department.
The ITS JPO is working across modes on several committees and working groups to ensure the DOT invests in innovative research.

**Topical Working Groups Chaired by ITS JPO**
- Automation
- Emerging and Enabling Technologies
  - Artificial Intelligence Task Force
- Data
- Cybersecurity

**Topical Working Groups Supported by ITS JPO**
- Mobility Innovation
- Evaluation/Performance Measurement
- Technology Transfer/Deployment
- Systematic Safety Approach
ITS JPO STRATEGIC PLAN | STRATEGIES

Strategy 1: Identify and assess emerging technologies alternatives for the transportation system

Strategy 2: Coordinate and lead ITS research and development in the public interest

Strategy 3: Demonstrate the benefits of emerging ITS technologies for improving the transportation system

Strategy 4: Support implementation of proven ITS technologies, approaches, and policies throughout the transportation system

Strategy 5: Maintain ITS technologies, and policies to realize the full potential of benefits across all surface transportation modes
The ITS JPO advances the next wave of transformations through its six research areas and four technology transfer programs, which work to accelerate deployment.
DISCUSSION