







**Recommendations & Accomplishments**

**MOST WANTED Transportation Safety Improvements**  
**Aviation Issue Areas**

Legend:

- = Unacceptable response
- = Acceptable response, progressing slowly
- = Acceptable response, progressing in a timely manner
- = Being assessed, classification code to be assigned soon

 <i>Unacceptable response</i>	<p><b><u>Reduce Dangers to Aircraft Flying in Icing Conditions</u></b>  <b>Action Needed by The Federal Aviation Administration</b></p>	<p>Use current research on freezing rain and large water droplets to revise the way aircraft are designed and approved for flight in icing conditions.</p> <p>Apply revised icing requirements to currently certificated aircraft.</p> <p>Require that airplanes with pneumatic deice boots activate boots as soon as the airplane enters icing conditions.</p>
 <i>Unacceptable response</i>	<p><b><u>Improve Runway Safety</u></b>  <b>Action Needed by The Federal Aviation Administration</b></p>	<p>Give immediate warnings of probable collisions/incursions directly to flight crews in the cockpit.</p> <p>Require specific air traffic control clearance for each runway crossing.</p> <p>Install cockpit moving map displays or automatic systems to alert pilots of attempted takeoffs from taxiways or wrong runways.</p> <p>Require landing distance assessment with an adequate safety margin for every landing.</p>

 <p>Unacceptable response</p>	<p><b><u>Require Image Recorders</u></b>  <b>Action Needed by The Federal Aviation Administration</b></p>	<p>Install crash-protected image recorders in cockpits to give investigators more information to solve complex accidents.</p>
 <p>Unacceptable response</p>	<p><b><u>Reduce Accidents and Incidents Caused by Human Fatigue</u></b>  <b>Action Needed by The Federal Aviation Administration</b></p>	<p>Set working hour limits for flight crews, aviation mechanics, and air traffic controllers based on fatigue research, circadian rhythms, and sleep and rest requirements.</p> <p>Develop a fatigue awareness and countermeasures program for air traffic controllers.</p>
 <p>Unacceptable response</p>	<p><b><u>Improve Crew Resource Management</u></b>  <b>Action Needed by The Federal Aviation Administration</b></p>	<p>Require commuter and on-demand air taxi flight crews to receive crew resource management training.</p>
 <p>Unacceptable response</p>	<p><b><u>Improve Safety of Emergency Medical Services Flights</u></b>  <b>Action Needed by The Federal Aviation Administration</b></p>	<p>Conduct all flights with medical personnel on board in accordance with commuter aircraft regulations.</p> <p>Develop and implement flight risk evaluation programs.</p> <p>Require formalized dispatch and flight-following procedures including up-to-date weather information.</p> <p>Install terrain awareness and warning systems on aircraft.</p>

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