Memorandum of Agreement (MOA) Between AVS and ANG for Aviation Safety R&D

For the REDAC SAS Meeting February 23, 2021

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Overview

• On January 21, 2021, Associate Administrator for Aviation Safety, and Acting Assistant Administrator for NextGen signed a Memorandum of Agreement (MOA) between their two organizations on the FAA’s Aviation Safety Research and Development (R&D) Program.

• “This MOA lays out a framework of shared accountability between the two organizations, enabling us to achieve desired safety outcomes through an increasingly more effective R&D Program.”*

*Ali Bahrami (Associate Administrator for Aviation Safety) in pending AVS Flyer Article.
R&D Lifecycle

- Execution of R&D Plans
- Implementation of R&D Products/Lessons Learned
- Development & Maintenance of Multi-year Prioritized R&D Requirement Plans
- Development & Maintenance of R&D Execution Plans

Aviation Safety R&D Strategy
MOA : Success Criteria

IMPACTS / EFFECTIVENESS
• The research outputs contribute to achieving positive outcomes.
• The research program includes collaboration, accountability, and transparency throughout the R&D lifecycle.

VALIDITY
• The research needs are valid.
• The research program is strategically balanced.

QUALITY
• The research program is conducted in accordance with best practices for program management, scientific and technical rigor.
• The research program includes a process for continuous improvement throughout the R&D lifecycle.

EFFICIENCY
• The use of available resources is optimized throughout the R&D lifecycle.
• The research program is agile.
## Aviation Safety R&D Strategy

<table>
<thead>
<tr>
<th>Phase</th>
<th>Products</th>
<th>Research Sponsor</th>
<th>Research Manager</th>
</tr>
</thead>
<tbody>
<tr>
<td>I</td>
<td>Research needs; safety impacts; priorities; and timelines plans;</td>
<td>Lead</td>
<td>Participate</td>
</tr>
<tr>
<td>II</td>
<td>Budget Narratives (BN); AMRP; NARP; Research project execution and spend plans</td>
<td>Participate</td>
<td>Lead</td>
</tr>
<tr>
<td>III</td>
<td>R&amp;D products/deliverables; Project Status: PMRs, monthly reports, schedule progress; Course Corrections</td>
<td>Participate</td>
<td>Lead</td>
</tr>
<tr>
<td>IV</td>
<td>New and/or updated Standards; Guidance &amp; Regulatory materials to impact aviation safety</td>
<td>Lead</td>
<td>Participate</td>
</tr>
</tbody>
</table>

[Diagram of the Aviation Safety R&D Strategy showing phases: Phase 1 (Development & Maintenance of Multi-year Prioritized R&D Requirement Plans), Phase 2 (Execution of R&D Plans), Phase 3 (Implementation of R&D Products/Lessons Learned), Phase 4 (Research-Sponsor Leads/Research Manager Participates).]

a.k.a. R&D Propeller Chart