AIAA Domain Road Maps & Key Topics



Customer Needs Drive AIAA



Purposeful Outcomes / Results



Domain Roadmap

- A multiyear vision of AIAA's contributions to shaping the future of the domain.
- Reviewed, updated, and modified as needed based on changing Domain and ecosystem needs and markets.
 - Updates will be performed at least annually to support the overall AIAA 5-year strategic direction and annual budget development.
- Roadmap should identify, prioritize and map potential engagements among all subdomains and adjacent fields that AIAA should cultivate through products, services, and engagement strategies.
- > Align with and contribute to overall AIAA Strategic Plan



Domain Key Topics



AERONAUTICS

System solutions applied by private industry, government programs to address commercial and policy customer needs

- · Aviation Decarbonization and Sustainability
- Advanced Air Mobility
- Certification
- Hypersonics and Supersonics

R&D

Research performed by academic institutions, government laboratories, industry laboratories to be utilized by system solutions

PROBLEMS | ISSUES | PRIORITIES

- Transformative System Engineering
- Autonomy / Artificial Intelligence / Machine Learning
- Resilient and Assured Systems
- · Advanced Manufacturing and Advanced Materials

SPACE

System solutions applied by private industry, government programs to address commercial and policy customer needs

- Space Traffic Management / Space Traffic Coordination
- Space Sustainability
- Space Exploration
- Outpacing the Space Threat
- · Competitive and Burgeoning Space Economy





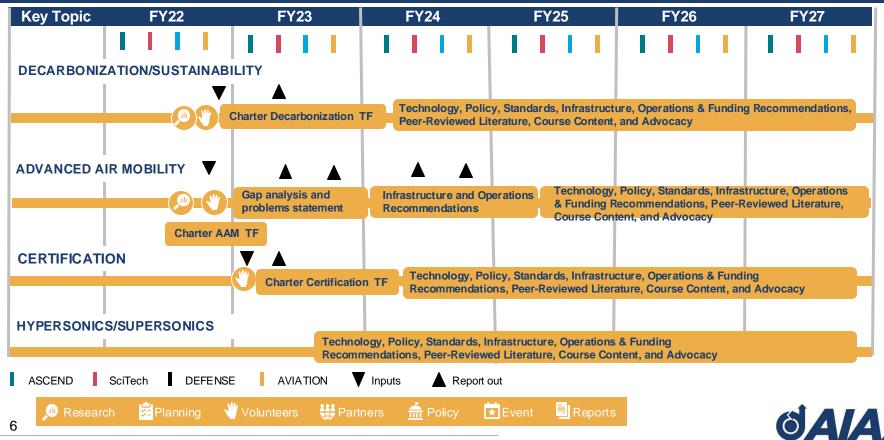
AERONAUTICS



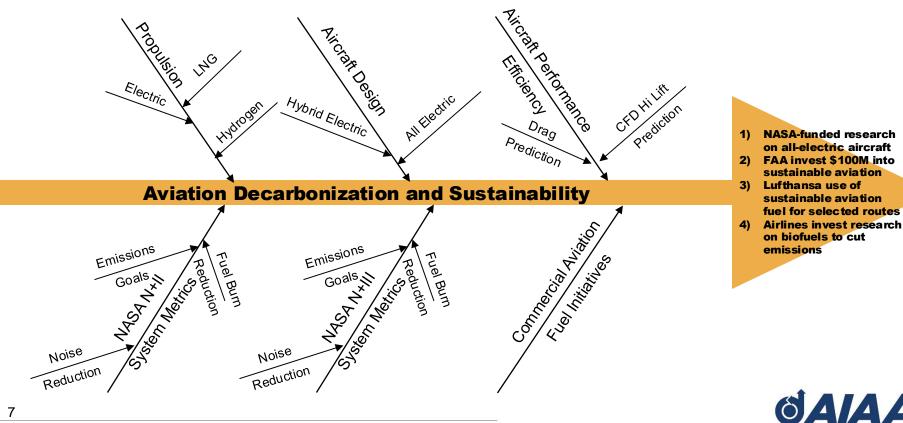
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5

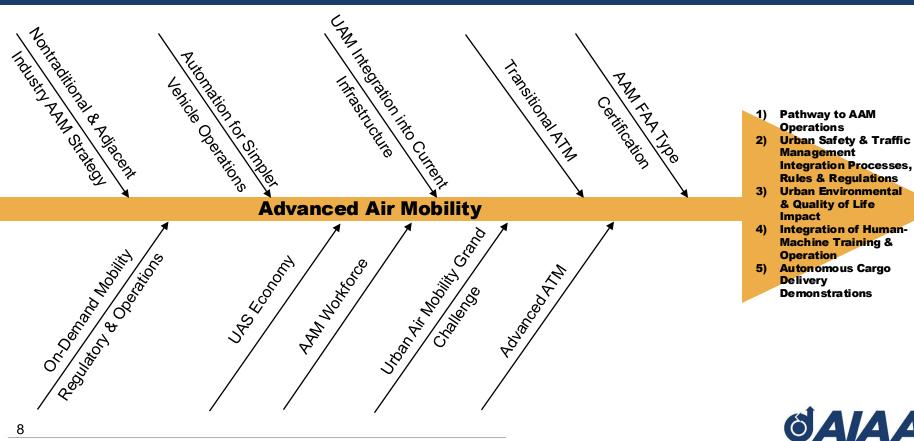
Aeronautics Roadmap



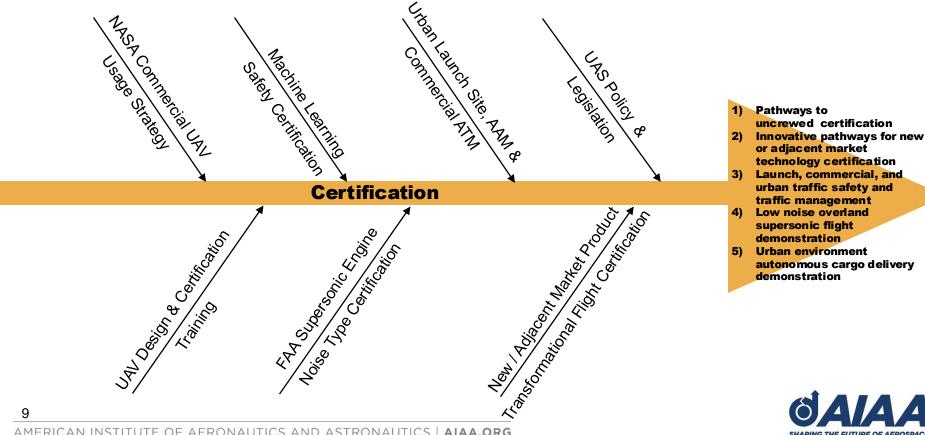
Aviation Decarbonization and Sustainability



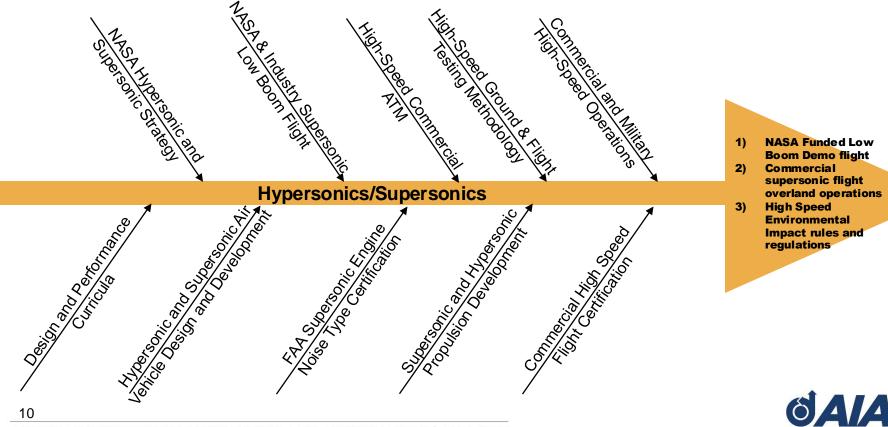
Advanced Air Mobility



Certification



Hypersonics/Supersonics



SHAPING THE FUTURE OF AEROSPAC



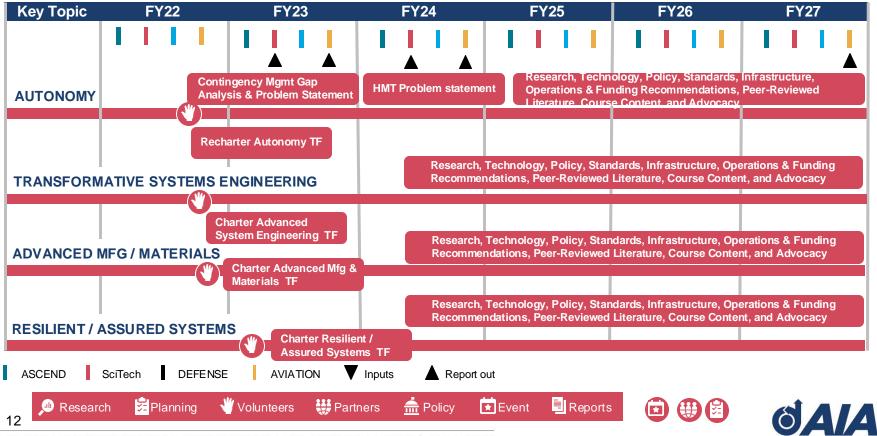
Research & Development



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11

R&D Roadmap





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