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# Integrating Advanced Air Mobility in the National Airspace System

EASA Rotorcraft and VTOL  
Safety Symposium

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# Safety Focused Approach

- Whole of government approach needed to support integration of new class of aircraft, flying in constrained airspace, needing new support infrastructure, and accelerating to autonomous operations environment
- Updating a regulatory framework to address the unique aspects of new hybrid, non-traditional aircraft
- The FAA created a programmatic portfolio approach called Innovate28 that integrates all cross-agency-efforts toward user initial entry into service goals
- DOT-led AAM interagency working group developing national strategy for AAM, identifying key national issues for implementation: security, power/energy, infrastructure, community impacts, spectrum, and supply chain. Request For Information published in the Federal Register (comment period closed Aug 2023)



# Rulemaking Updates

- **Aircraft Safety Rulemaking**

- Recognition of pilot in command experience in military/air carrier operations (final rule Sep 2022)
- Notice of proposed rulemaking (NPRM), which proposes special federal aviation regulations (SFAR) for integration of powered-lift operations and associated pilot certification (comment period closed Aug 2023)
- Update to air carrier definitions (Effective Sep 2023)
- Airman certification standards (comment period closed Feb 2023)
- For type certification, the FAA is accepting established means of compliance as well as developing new means depending on unique design features/characteristics of vehicle



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# Policy Updates

- Emerging aircraft such as powered-lift and special class rotorcraft certification basis established under 14 CFR 21.17(b), special class aircraft
- Miscellaneous Rotorcraft Part 27 (Normal Category) and Part 29 (Transport Category) rotorcraft issued early 2023
  - Affects approximately 30 part 27/29 regulations
  - Eliminates need for recurring special conditions and equivalent level of safety findings
  - Reduces burden on applicants and FAA by streamlining certification process
  - Accompanying Advisory Circular 27 & 29 also issued



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# Voluntary Initiatives

- U.S. Helicopter Safety Team (USHST)
  - Industry and government cooperative effort since 2013
  - Includes FAA, manufacturers, operators, associations, flight schools, academia, etc.
  - Team initiated 16 data-driven safety enhancements aimed at reducing fatal accidents
  - Our Goal: Reduce U.S. helicopter fatal accident rate to 0.55 by 2025

🌐 [USHST.org](https://www.ushst.org)



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# International Collaboration



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