



FAA Air Traffic Organization (ATO) Space Operations



Federal Aviation
Administration

WHO IS FAA ATO SPACE OPERATIONS?

Operational integrator for safe and efficient integration of space transport operations into the National Airspace System (NAS).



OUR ROLE: OPERATIONAL INTEGRATION



ASSESS

Evaluate proposed launch and reentry operations and their impact on the NAS.



COORDINATE

Collaborate across stakeholders to develop feasible operational solutions.



INTEGRATE

Incorporate space transport operations into NAS planning and daily operations.



MONITOR

Continuously monitor operations and changing conditions.



ENSURE

Maintain safety and efficiency for all airspace users.

WHAT WE CONSIDER



Weather



Airspace
Optimization



Airspace
Constraints



System
Capacity



We bring together people, information, and processes to enable informed decisions that support the safe, efficient, and predictable integration of space transport operations into the NAS.



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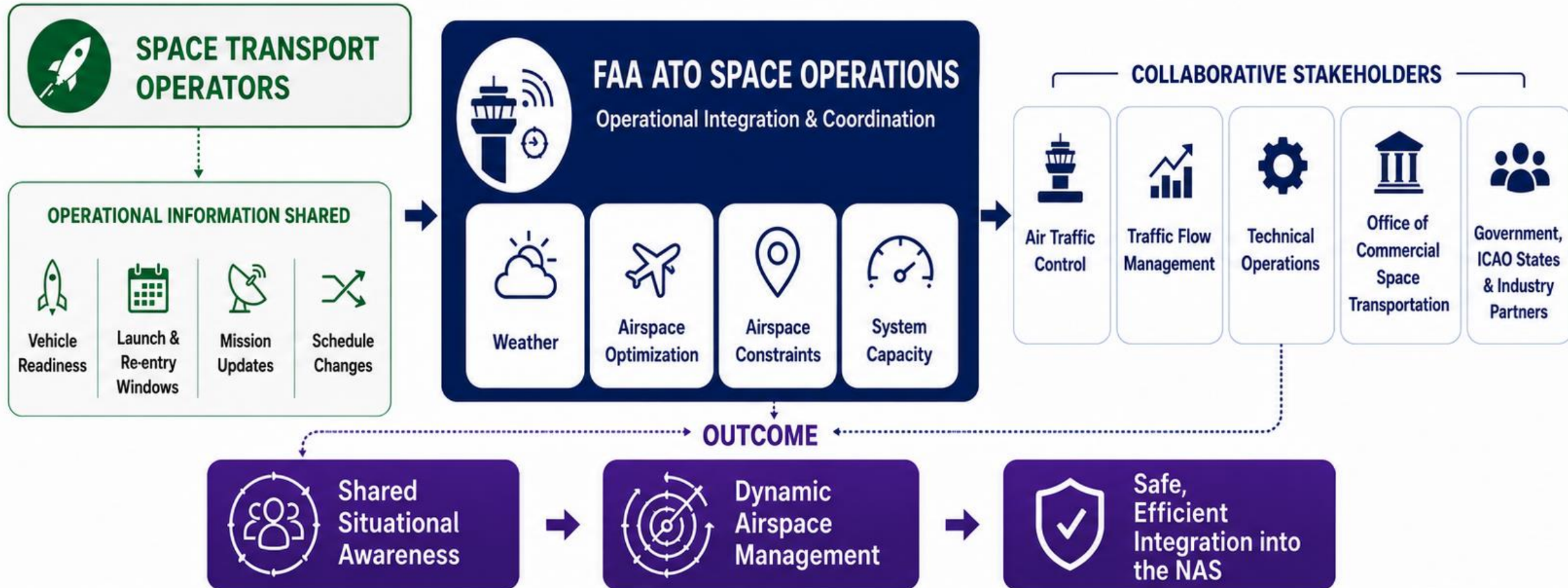
*Enabling Space Transport.
Safeguarding Aviation.*

SPACE OPERATIONS



COLLABORATIVE DECISION MAKING (CDM)

Information sharing supports operational integration of space transport operations through dynamic airspace management and shared situational awareness.



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ATO SPACE OPERATIONS MISSION

FAA uses a repeatable, structured process before, during, and after missions to safely integrate space transport operations into the National Airspace System (NAS).



1 PRE-MISSION: COLLABORATE



Engage early with space transport operators, aviation stakeholders, and international partners



Receive intent to launch and safety products



Assess impact and develop situational awareness



Coordinate with air traffic facilities and partners



Publish mission information and manage NOTAMs



2 DURING MISSION: MANAGE IN REAL TIME



Lead real-time integration and mission support



Initiate hotline and manage communications



Monitor operations and airspace optimization initiatives



Use telemetry and data tools to support decisions



Tactically reopen airspace when safe



3 POST-MISSION: CONTINUOUS IMPROVEMENT



Conduct lessons-learned reviews after every mission



Debrief after high-impact or notable missions



Identify improvements and apply to future operations



Update policies, procedures, and best practices



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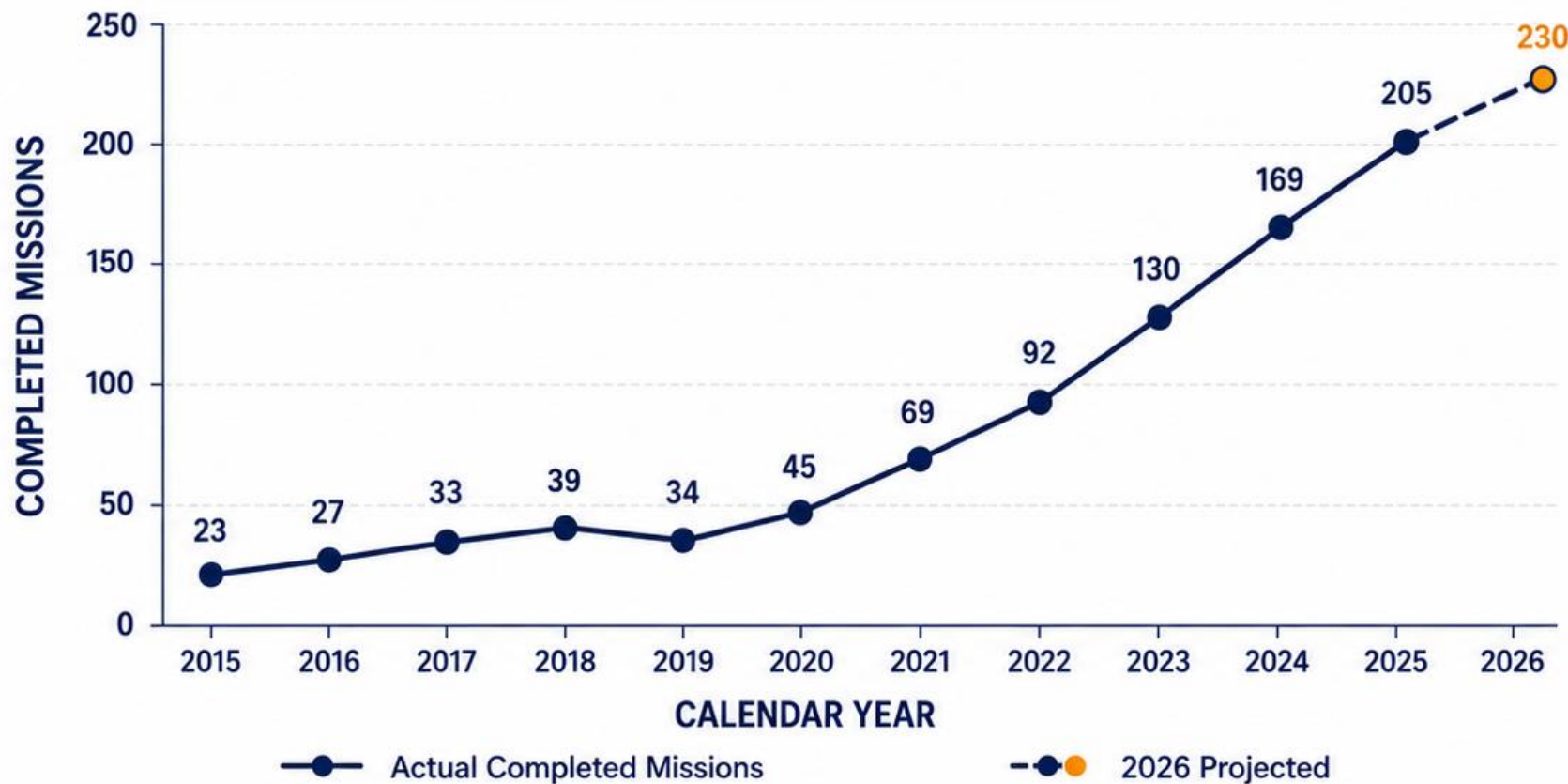


GROWTH OF SPACE TRANSPORT OPERATIONS

Space transport activity continues to accelerate, increasing the importance of operational integration.

Completed Missions per Calendar Year

As of May 10, 2026



DRAMATIC GROWTH

Completed missions increased from 23 in 2015 to 230 as of May 10, 2026—nearly 10x growth.



ACCELERATING TREND

Annual operations have more than doubled since 2021 and continue to rise.



GLOBAL IMPACT

More launches mean greater need for coordination across the NAS and internationally.



STRONGER TOGETHER

Collaboration, information sharing, and informed decisions are essential to manage this growth safely and efficiently.



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ICAO GLOBAL COORDINATION

Working together globally to enable the safe integration of space transport operations into civil aviation.

ICAO GLOBAL SPACE TRANSPORT TASK FORCE



Established by ICAO to develop **globally harmonized guidance** for the integration of space transport operations into civil aviation.



Includes global experts and representation from **ICAO regions, States, and international partners.**

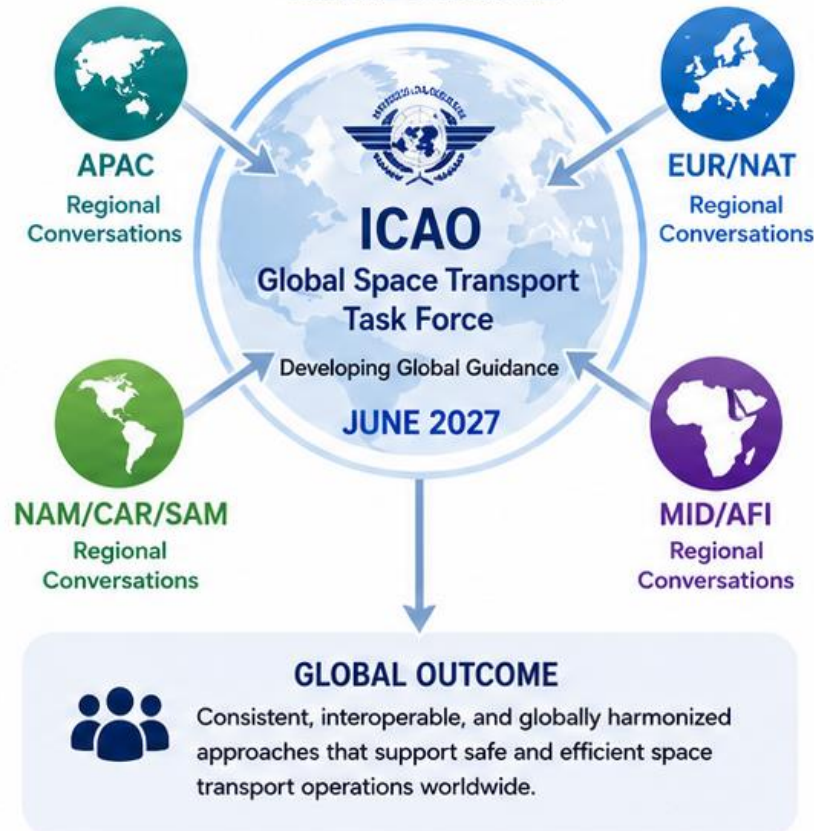


Building comprehensive, **interoperable**, and **scalable** guidance to support safe, efficient, and **predictable** operations worldwide.



Global guidance is planned to be delivered in **June 2027.**

REGIONAL CONVERSATIONS INFORM GLOBAL GUIDANCE



KEY MESSAGES



Regions are encouraged to **actively engage** in conversations and share operational experience, lessons learned, and best practices.



Regional input is essential to ensure global guidance reflects diverse operational environments and needs.



Expect **regional conversations** throughout **2025–2026** to inform the development of global guidance.



Together, we can build a **common framework** that enables safe, efficient, and predictable integration of space transport operations.

*One global framework. Shared understanding.
Safer skies for all.*



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Safeguarding Aviation.*

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SAFE INTEGRATION THROUGH COLLABORATION

Three core principles guide how the FAA integrates space transport operations into the National Airspace System—today and as operations evolve in the future.



COLLABORATION

- Work together across government, industry, and international partners
- Build trusted relationships
- Align on shared goals and responsibilities



TIMELY INFORMATION SHARING

- Share accurate, timely operational information
- Establish shared situational awareness
- Increase transparency and predictability



INFORMED DECISION MAKING

- Use shared data and expertise to evaluate options
- Make dynamic, risk-informed decisions
- Enable safe, efficient, and adaptable operations

OUR SHARED OUTCOME

Safe, Efficient, Integration of Space Transport Operations into the National Airspace System



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One Goal.
One System.



Many Partners.
Stronger Together.



Global Collaboration.
Shared Success.

SPACE OPERATIONS

