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A New Digital Era for Aviation

The Path Forward for Airspace and Traffic Management

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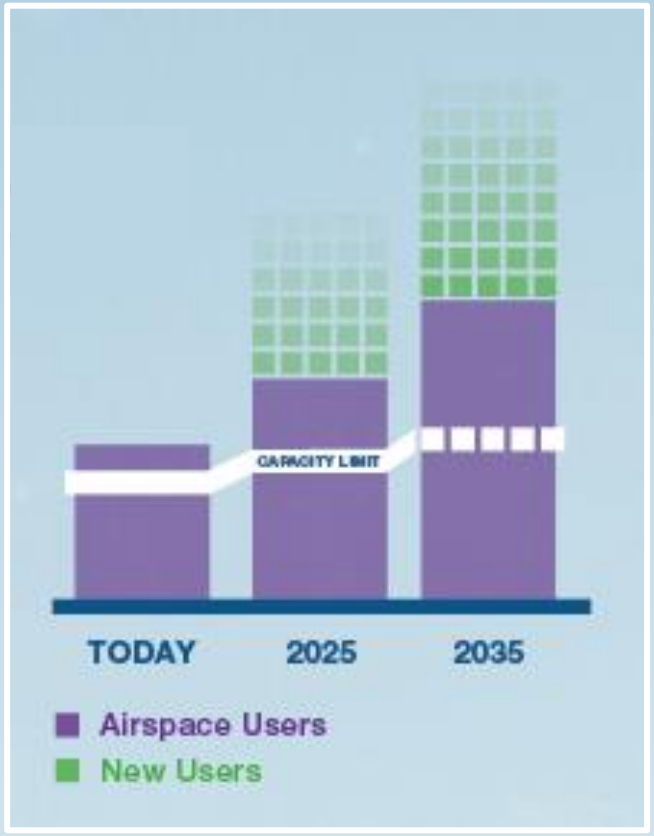
New Era in Aviation

Growth in operations

- sUAS / eVTOL
- HAPS / Space vehicles
- Civil & military operations

New challenges

- Complexity & capacity limits
- Eclectic mix of vehicle types
- New procedures and rules
- ATM / ATC limitations



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UAS Traffic Management (UTM)

- **Priority for Airbus and Boeing**
- **An enabler for new aircraft operations**
- **An enabler for new traffic management operations**
- **Industry priority**

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Functions of UTM

Safety Risk Management

Dynamic Airspace Management

Information and Advisories

Instant Comm and Coordination

Contingency Management

Stakeholders of UTM

General Public

UTM Service Providers

Civil and Military CAAs

Local Authorities

ANSPs

Existing Airspace Users

Operators of new Aircraft

Aircraft Manufacturers

Infrastructure Providers

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UTM – Key Points

- Digital infrastructure: Evolution of airspace management
- Innovation based: New thinking and new technology (AI)
- Operations are evolving globally: A key pillar for industry plans

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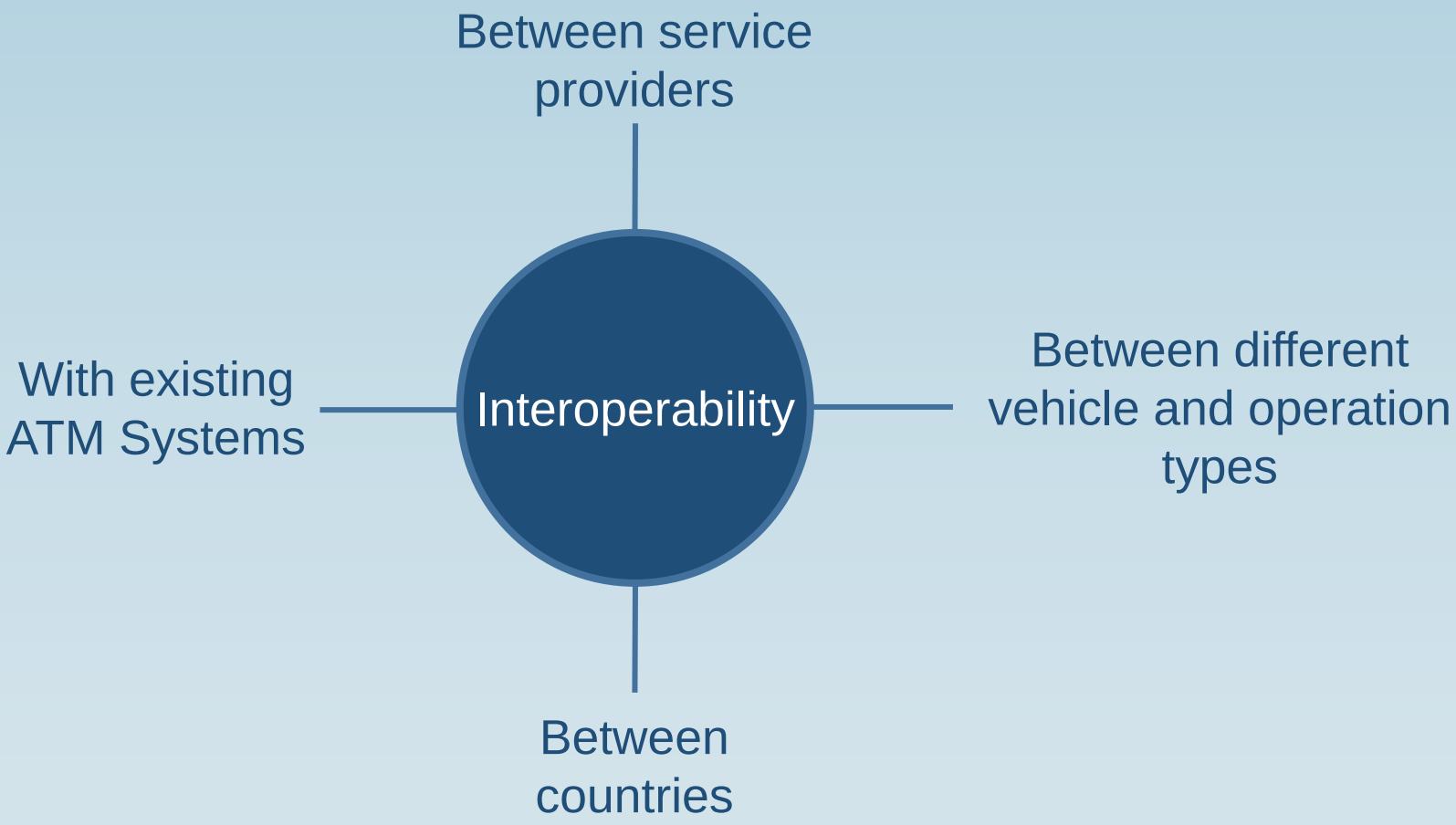
UTM: Interoperability



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Safety is Paramount

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Modernizing ATM

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UTM is part of the Future:

Unprecedented innovation is taking place in the aviation industry

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Call To Action

1. The development of a global action plan for the development and implementation of UTM with a continued focus on safety.
2. Creation of a global airspace operational concept and standards that incorporate the needs of existing and emerging airspace users.
3. A unified air traffic management system for all airspace users that facilitates the safe integration of new vehicles and technology.
4. Support and action by states for new airspace users.
5. Existing plans for UTM should reflect emerging opportunities, taking into consideration interoperability between UTM systems, and between UTM and ATM systems.
6. New mechanisms for industry involvement are needed.

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UTM provides the opportunity for greater industry leadership in supporting the development of concepts, standards and regulations.