



SAFE SKIES.
**SUSTAINABLE
FUTURE.**



| ICAO



ICAO APAC Regional Office Workshop on Unmanned Aircraft System Integration in National and High Seas Airspace

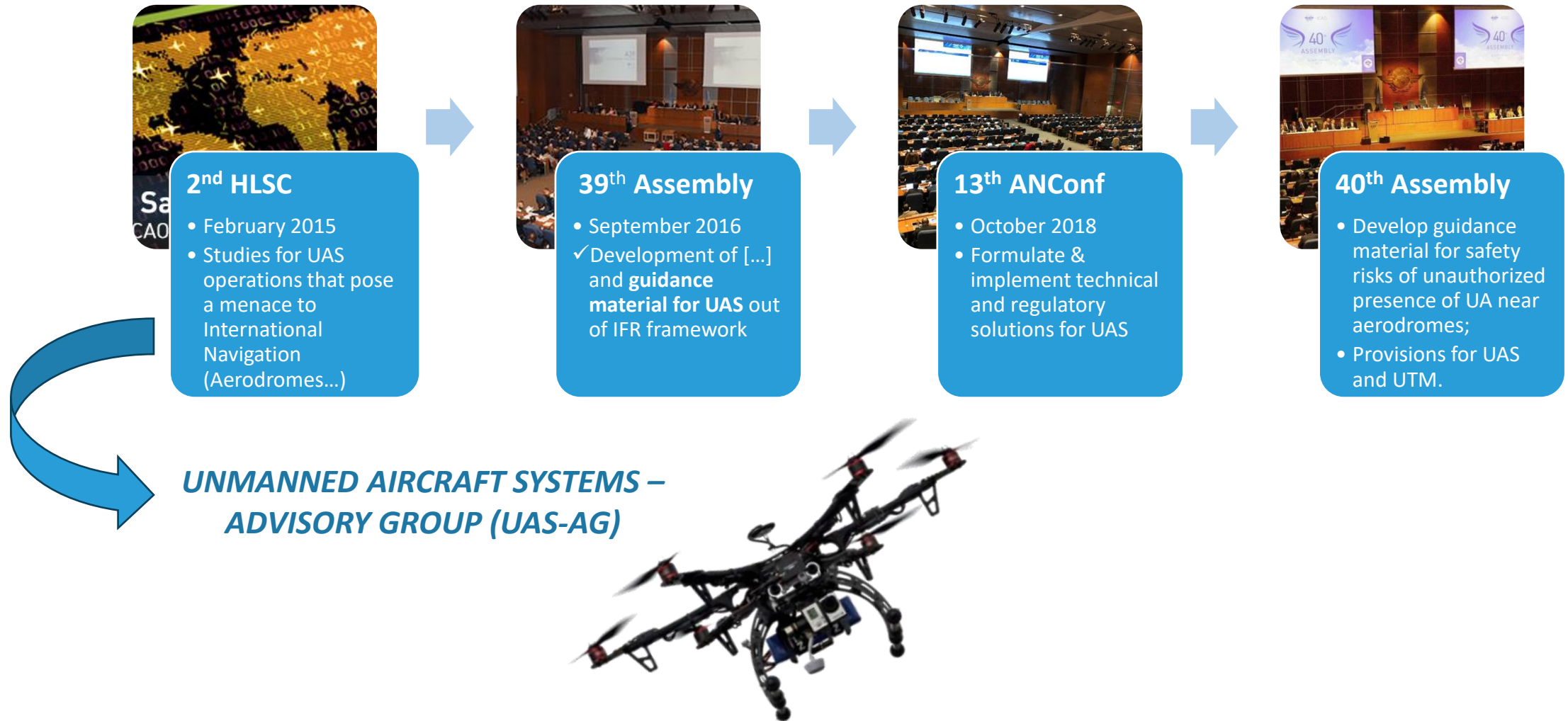
Bangkok, Thailand
November, 2025

AAM Environment & UTM Framework

Objectives

- Understand the Advanced Air Mobility Concept;
- Understand the Scope of the AAM-Study Group;
- Understand the ICAO UTM Framework; &
- Discuss Practical Applications.

Background & Context



Background & Context

TASKS UAS-AG



a) Review and examine national and regional legal and **regulatory frameworks and initiatives** to identify commonalities and **existing best practices** with a view to **developing guidance material for routine SUAS operations** while maintaining the existing **level of safety of manned aircraft operations and people and property on the ground**;



b) **Develop guidance material to assist States with SUAS rulemaking** including assessing requirements for airworthiness, operations, licensing, communications, detect and avoid and air traffic management; and



c) Develop **training and outreach material** in order to **educate regulators, industry stakeholders, model aircraft associations and civil operators** and to establish a balanced long-term approach towards the **safe operation of SUAS in national airspace systems**.

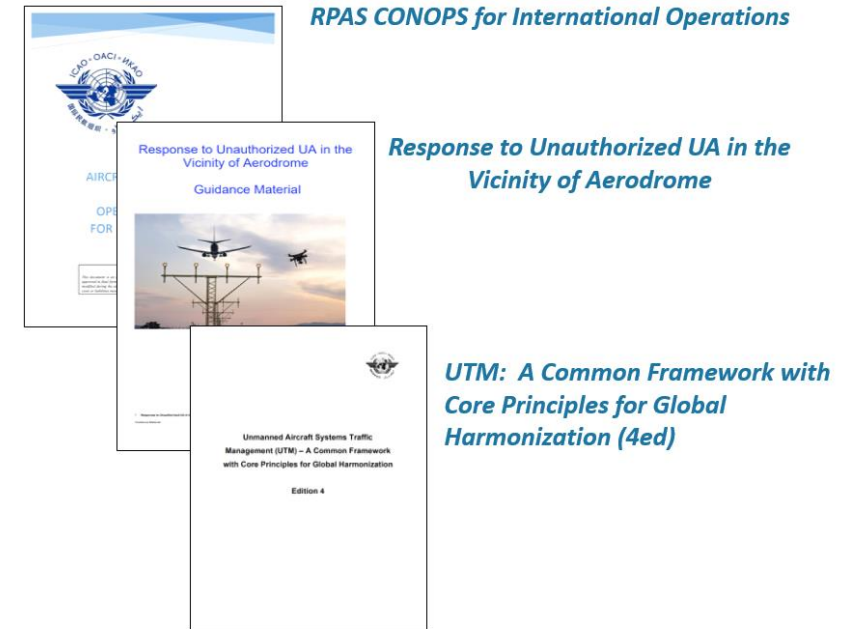
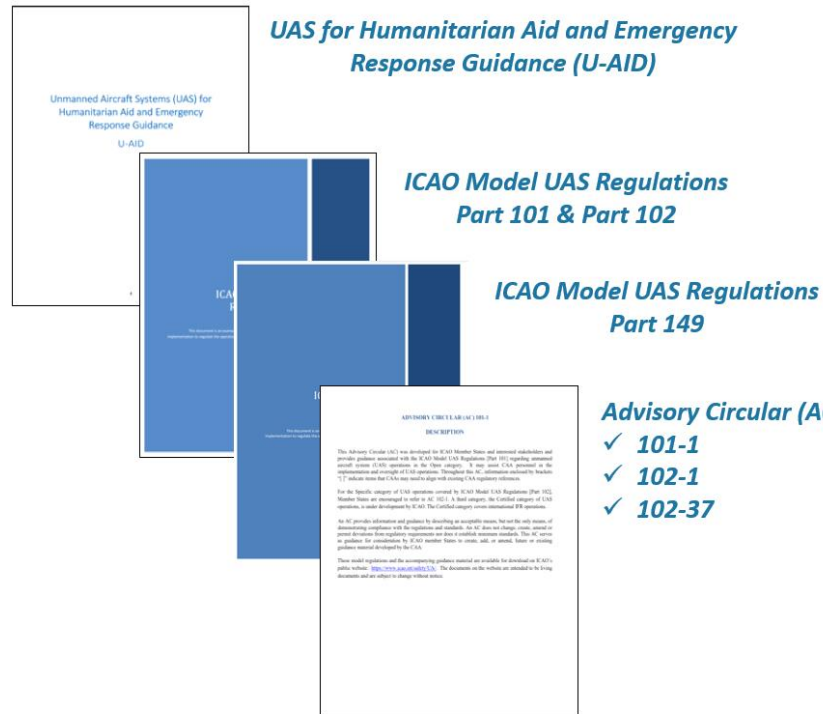
Background & Context

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UNMANNED AIRCRAFT SYSTEMS – ADVISORY GROUP (UAS-AG) 2015 - 2023

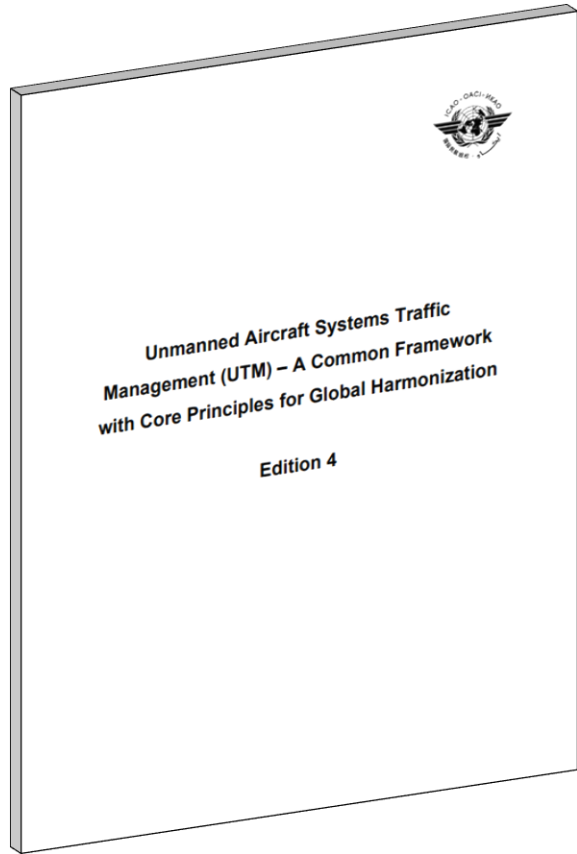


- ✓ > 20 experts
- ✓ 6 Drone Enable
- ✓ UTM framework



Background & Context

This document is intended to provide a framework and core capabilities of a “typical” UTM system to States that are considering the implementation of one.



1st Edition

- Registration
- Identification
- Tracking
- Communications
- Geofencing
- Potential UTM Frameworks



2nd Edition

- UTM-ATM Boundaries
- UTM-ATM Transitions
- UTM-ATM Exchange of Information



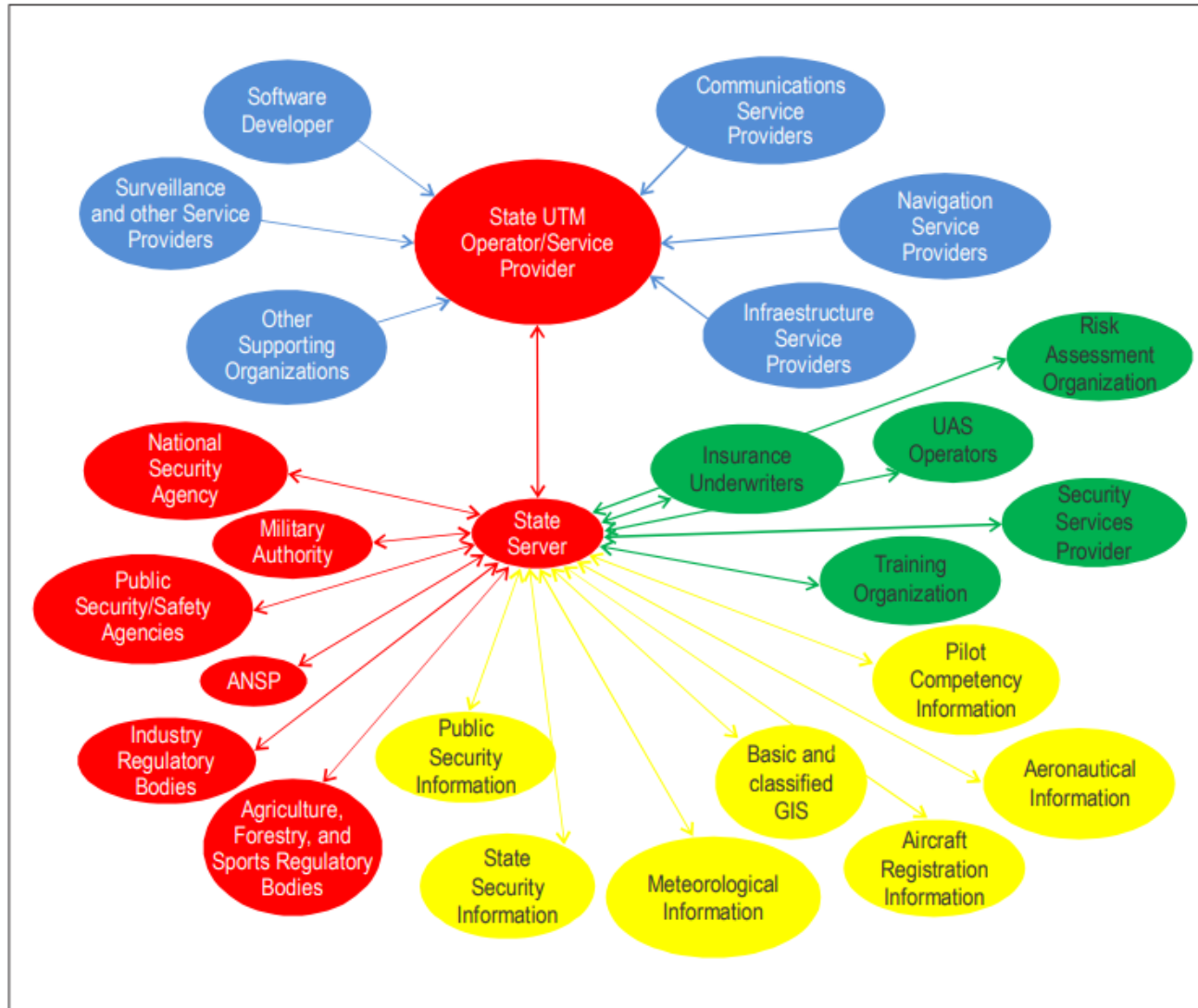
3rd Edition

- UTM Risk Assessment
- Contingency Procedures
- UTM Service Providers
- Separation & Deconfliction on UTM



UTM Framework

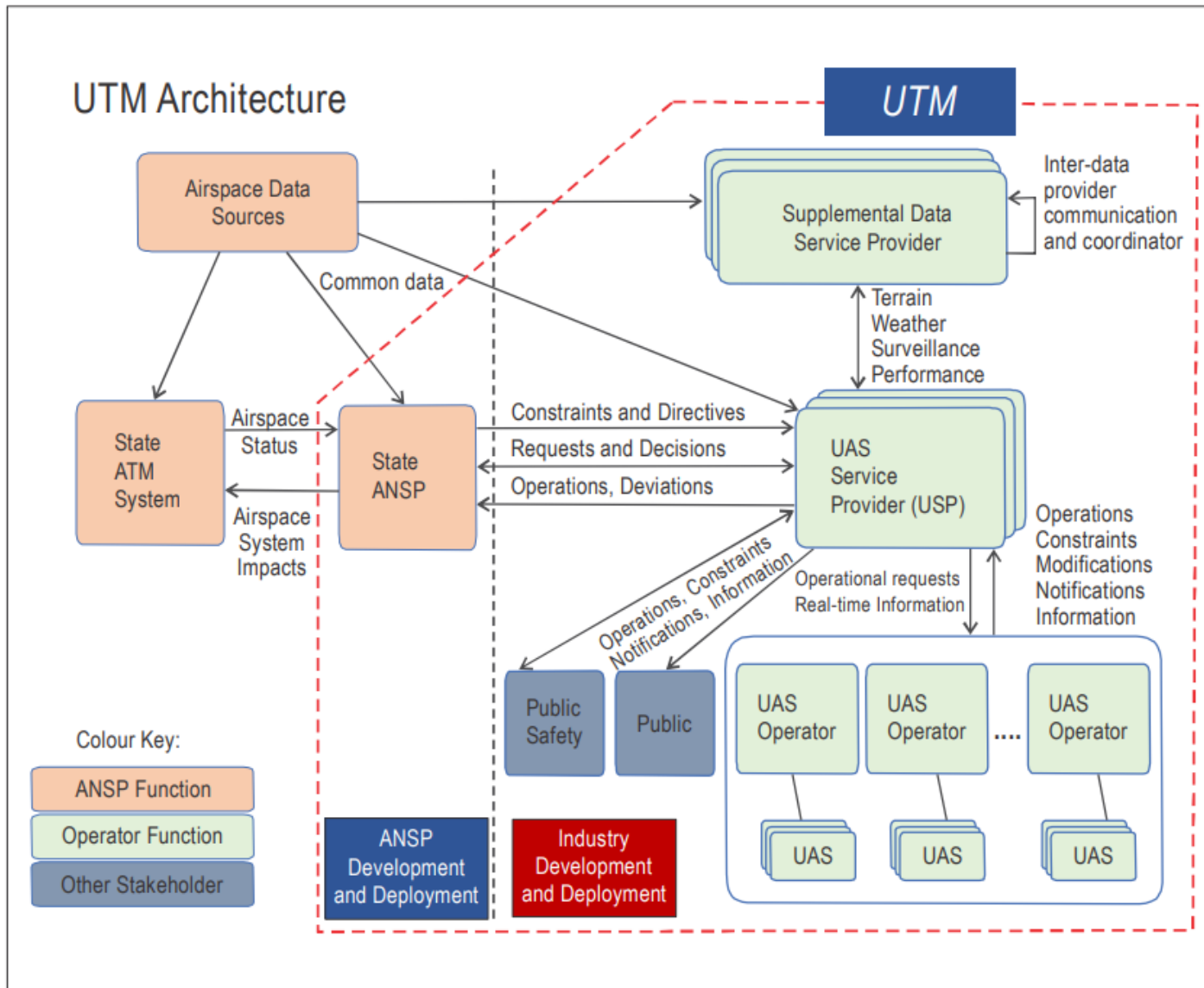
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- ✓ Centralized Architecture;
- ✓ State Server
- ✓ UAS Service Provider (USP);
- ✓ Supplement Data Service Provider (SDSP);
- ✓ Remote Identification;
- ✓ Computational and Network Capacity.

UTM Framework

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- ✓ Federated Architecture;
- ✓ UAS Service Provider (USP);
- ✓ Supplement Data Service Provider (SDSP);
- ✓ Remote Identification;
- ✓ Computational and Network Capacity.

UTM Initiatives





INDIAN JETSETGO PARTNERS EVE AIR MOBILITY TO IMPLEMENT VECTOR UTM JANUARY 21, 2025

JetSetGo, India's largest private jet and helicopter fleet operator, is collaborating with Eve Air Mobility to integrate eVTOL aircraft into India's urban airspace.

This partnership makes JetSetGo Eve's 14th Vector client globally and its second in India.



International Expansion

- **Jeju Air** and Eve Air Mobility are developing a sustainable, scalable UAM network in Jeju, South Korea.
- Eve Air Mobility, in partnership with **L3Harris**, **Skyports**, and **CAMI**, developed a ConOps for Miami's UAM ecosystem.

Miami UAM Market Forecast

- By 2026: 7 vertiports, 40–63 eVTOLs, serving up to 600,000 passengers annually.
- By 2035: 32 vertiports, 210 eVTOLs, carrying 4 million passengers annually, generating \$191M in revenue.



- **Eve Air Mobility**, established on October 15, 2020, is a Brazilian aerospace company and a subsidiary of Embraer.
- The **EVE eVTOL** features fully electric propulsion, designed to carry four passengers and one pilot with a range of approximately 60 miles (100 km).
- Eve Air Mobility is also developing urban air traffic management (UATM) solutions, including the **Vector UATM software**.
- A manufacturing plant in **Taubaté, Brazil** is set to produce 480+ eVTOLs per year.
- As of March 2024, Eve had signed contracts with 28 companies for 2,850 eVTOL orders, valued at \$8 billion, across 13 countries.
- 🚀 **Expected entry into service: 2026.**

Eve Air Mobility established a UAM ecosystem ConOps for Rio de Janeiro.

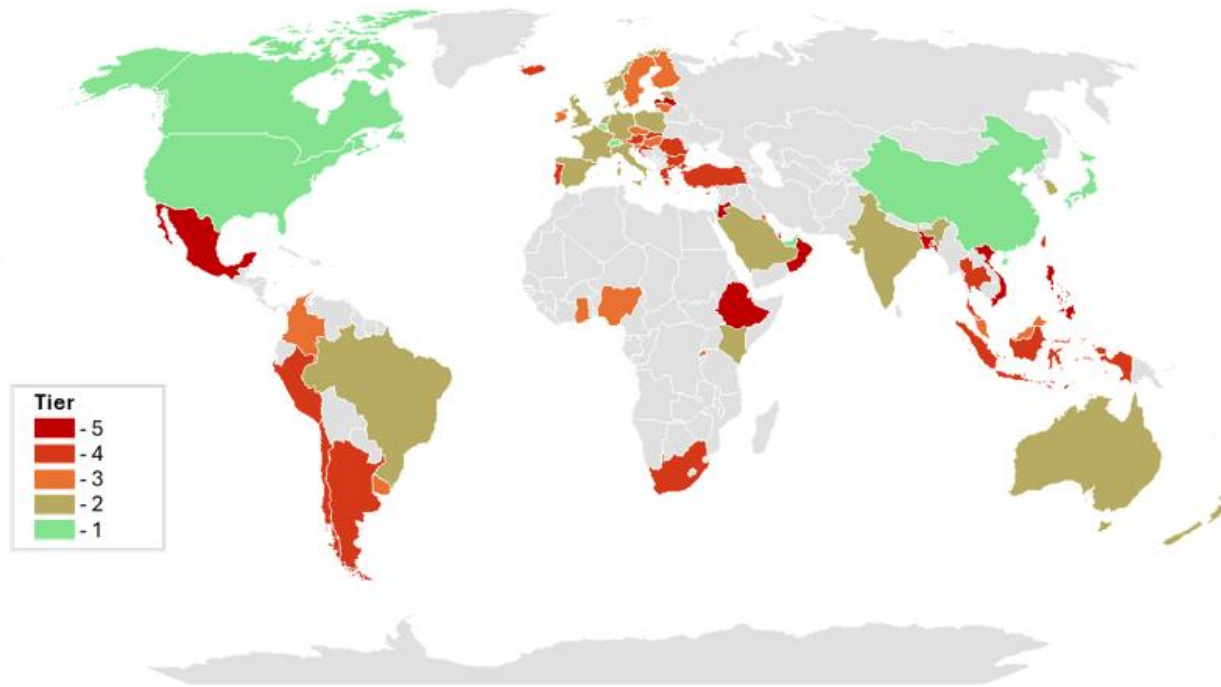
Use Case: eVTOL Airport Shuttle

- Route: **Barra da Tijuca ↔ Rio de Janeiro International Airport (GIG)**
 - Time Reduction: 35 km car journey (1.5 hours) → 12 minutes via eVTOL
- UAM Market Growth in Rio de Janeiro (Projection for 2035):**

- 245 eVTOL aircraft
- 37 vertiports
- 4.5 million passengers annually
- 100+ routes
- \$220 million in annual revenue
- Total projected revenue (2026–2035): \$23 billion



GUTMA UTM Ecosystems' Readiness Index 2024 Report



January 29, 2025

Active U-Space/UTM Airspace: *Switzerland and France have operational U-Space airspace, while Belgium, Spain, and Germany are advancing implementation.*

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Regulatory Leadership: *The EU's U-Space framework is the most mature, providing a standardized approach to UAS integration.*

BVLOS Progress: *The United States leads in Beyond Visual Line of Sight (BVLOS) operations, with ongoing regulatory developments.*

Governance & Strategy: *Japan and Belgium demonstrate strong UTM governance, fostering collaboration between regulators and industry.*

Market Growth: *Australia and China leverage economic tools and investment incentives to accelerate UTM adoption.*

Technology Advancements: *Switzerland's SUSI initiative and digital U-Space services in the EU set benchmarks for automation and airspace integration.*

Source: [GUTMA UTM Readiness Index 2024](#)

AIRmarket and Alberta Invest \$4.7M in Canada's First RPAS Traffic Management System

Accelerate the Drone Economy and Cut Emissions.

Press



Project Overview: [AIRmarket and Alberta](#) invest \$4.7M to develop an RPAS Traffic Management (RTM) system for BVLOS UAS operations.

Use Cases: Includes *wildfire detection, precision agriculture, and emergency response* to enhance safety and efficiency.

Economic Impact: Expected to *support 100,000 daily UAS flights*, create jobs, and contribute *\$14B annually* to Alberta's GDP.

Environmental Benefits: Reduces *greenhouse gas emissions* by replacing traditional aircraft and ground vehicles.

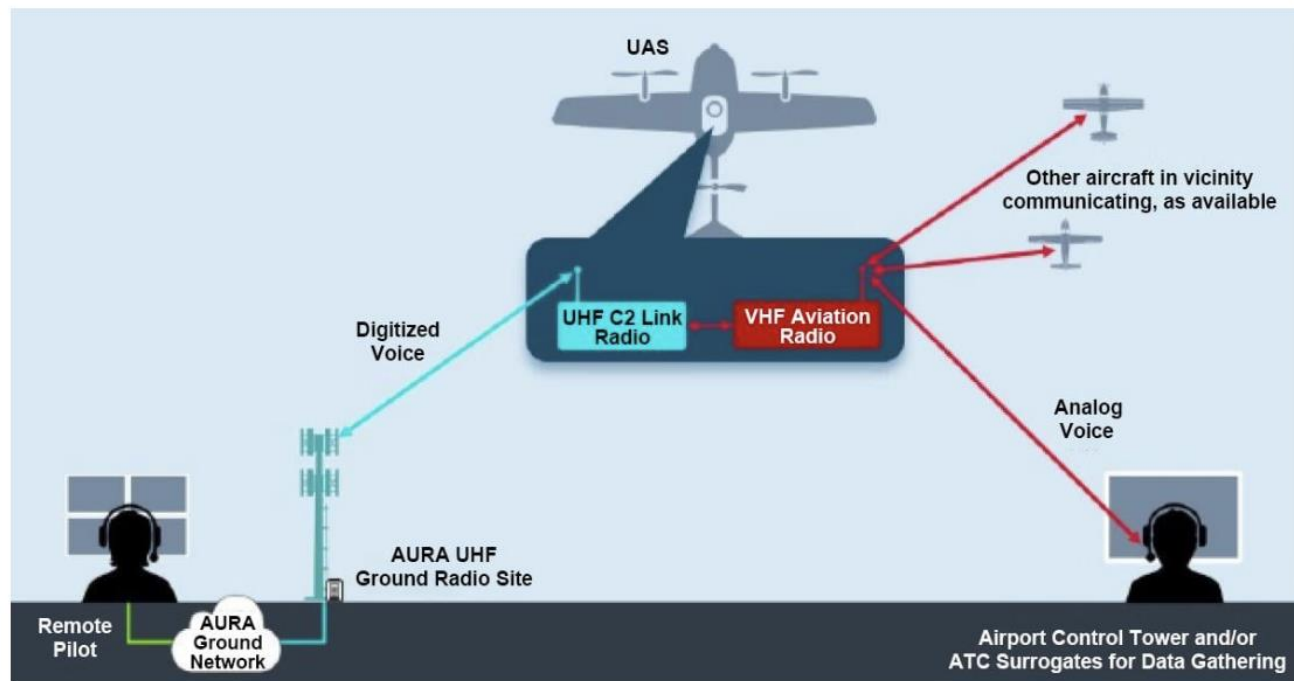
Strategic Goal: Positions *Alberta as a leader in UAS innovation*, aligning with *NAV CANADA's RTM framework*.

Source: [sUAS News](#)

FAA Contracts Aura to Test Uncrewed Aircraft Integration

Air traffic control voice relay tests will evaluate sound quality and latency

February 11, 2025



This infographic details the various aspects of Aura's commercial network, which is designed to enable remotely piloted flight operations in controlled airspace. © Aura Network Systems

Aura Network Systems

Objective: Evaluate *voice-relay capabilities* for uncrewed aircraft systems (UAS) in controlled airspace.

Scope: Assess *sound quality* and *latency* of air traffic control communications relayed through Aura's network.

Significance: Aims to enhance *safety and reliability* of UAS operations within the National Airspace System.

Source: [AIN Online](#)

ANRA Technologies to Power Finland's U-space with Advanced UTM Solutions

Press



Contract Award: [ANRA Technologies](#) has been chosen by [VTT Technical Research Centre of Finland](#) to deliver advanced *U-Space services* using its *ANRA Noon* UTM platform.

Scope of Services: The platform will provide essential U-Space services, including *flight authorization, geo-awareness, network identification, and traffic information.*

Objective: Enhance the safety and efficiency of UAS operations across various sectors in Finland, such as *research, commercial, and public safety* applications.

Strategic Significance: This initiative aims to position Finland as a leader in *integrated UAS operations* within the European U-Space framework.

Source: [ANRA Technologies Press Release](#)



ENAIRE manages nearly 10,000 drone operations in 2024

📅 February 7, 2025 📁 UAS traffic management news

Total Operations: Coordinated 9,588 UAS operations, a ^{17%} 6% decrease from 2023.

Efficiency Measures: Implemented *administrative simplifications* and established *procedures and agreements* with public and private users, reducing the need for individual coordination.

Regulatory Update: Enforced [*Royal Decree 517/2024*](#), defining general UAS zones to enhance airport operation safety.

Coordination Process: The *Airspace Operations Coordination Department* manages flight requests, collaborating with airport managers as necessary.

Source: [*ENAIRE Press Release*](#)

Airservices Australia announces first round of Uncrewed Aircraft Systems Service Suppliers

👤 Gary Mortimer



Selected Suppliers: [OneSky](#), [AvSoft](#), and [Yarra UASs](#) chosen to integrate with the new *Flight Information Management System (FIMS)*.

FIMS Purpose: Facilitates seamless data sharing between air traffic control, traditional aircraft, and uncrewed airspace users, forming the core of Australia's Uncrewed Aircraft Systems Traffic Management (UTM) ecosystem.

Future Outlook: With projections estimating over *60 million* UASs in Australian airspace by 2043, these collaborations aim to ensure a safe, efficient, and harmonized airspace for both uncrewed and conventional aircraft.

Source: [sUAS News](#)



A first for Europe: Air taxi and drones fly together in Benidorm



Location: Benidorm, Spain

Event: First **simultaneous flight** of an **air taxi (EH216-S)** and **12 drones** in an **urban setting**

Project: Conducted under the **EU-funded U-ELCOME** initiative

Managed by: **Universitat Politècnica de València (UPV)**

Use Cases: Cargo, delivery, surveillance, rescue.

Airspace managed by: **U-space digital platforms** with **3 USSPs** – ENAIRE, ITG, UAB

Key partners: EHang, EUROCONTROL, AESA, DGCA Spain, local police, Telefónica, UAV Works, etc.



Milestone:

- First coordinated **multi-USSP** U-space operation with **manned and unmanned aircraft**
- Demonstrates future **urban air mobility** integration potential



Challenges Ahead:

- Regulatory framework for air taxis
- Physical infrastructure (e.g., **vertiports**)
- Urban planning and **public acceptance**

Source: [U-ELCOME / UPV / ENAIRE](#)



EHang, Zaragoza and Guangzhou universities establish low-altitude flight safety laboratory

Source: [EHang Press Release](#)



Global Partnership:



EHang, University of Zaragoza (Spain), and University of Guangzhou (China)



Agreement signed at **Zaragoza City Hall** with city officials from **Guangzhou & Zaragoza**



Focus Areas of the Joint Lab:

- **Low-altitude flight safety**
- **UAM, logistics, and smart city integration**
- **Research, innovation, and education**
- **Academic exchange and talent development**



Market Outlook (China):


China's low-altitude economy is projected to reach approximately USD 210 billion by 2025 and could exceed USD 490 billion by 2035 backed by **CAAC** projections and government support.







United Arab Emirates introduces UTM service provider certification regulations





 **New Regulation:** Defines operational standards for certifying UAS air navigation service providers.


 **Based on EU U-space Reg.:** Adapted to the UAE environment for local relevance.

 **Coverage:** Contracts, training, quality, safety, auditing—ensuring safe UAS-commercial aviation integration.

 **Strategic Impact:** Supports UAE's leadership in aviation innovation; aligns with global investment trends.

 **Future Growth:** UAS operations in UAE expected to double in coming years.

 **GCAA Leadership:** Regulation is “a transformative step... and a cornerstone for safe airspace integration.”

 **Guidance Materials:** Includes [Acceptable Means of Compliance \(AMC\) and Guidance Material \(GM\)](#) under development.

Altitude Angel and AirHub Partner to Expand UTM Services Across Europe

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Partnership Overview:

- **Altitude Angel**, UTM platform provider, and **AirHub**, Dutch drone operations platform, form a strategic alliance.
- Integration enables streamlined **mission planning, flight approval, and real-time airspace compliance** for drone operators.

Platform Capabilities:

- **AirHub** app and web platform integrates with GuardianUTM to deliver:
- **Real-time geospatial airspace data,**
- **U-Space connectivity** for filing flight plans,
- **Digital Approval Services** in UTM Ready zones,
- **Live telemetry sharing** via Surveillance API.

Benefits for Operators:

- Faster, safer, and **legally compliant mission workflows** in Europe.
- Support for **public safety, critical infrastructure, and security sectors.**
- Enhances airspace **deconfliction and coordination** with authorities.

Strategic Impact:

- Expands UTM access across **Netherlands and mainland Europe**, with future potential **global extension.**
- Supports the broader **U-Space ecosystem** and **new airspace user integration.**

Source: SUAS News, April 2025

Malaysia to Implement UTM System and Publish New UAS Regulations in Q4 2025



Fee Revision:

- CAAM will update **charges and fee structures** to reflect the new regulatory system.

Strategic Objective:

- Support **safe commercial and recreational UAS use**, enhance governance, and **prevent unlawful activities** such as illegal surveillance or airspace violations.

New UAS Regulatory Framework:

- Civil Aviation Authority of Malaysia (CAAM) to issue updated **Civil Aviation Regulations** on UAS operations in **Q4 2025**, replacing **CAR 2016 Reg. 140–144**.
- Framework aims to align with **global best practices**, fostering **safe and innovative UAS integration**.

Introduction of UAS Traffic Management System (UAS-TMS):

- New digital platform to manage **registration, application, and monitoring** of UAS operations.
- Expected to **streamline approval processes** and reduce application times.

Interagency Collaboration:

- CAAM is coordinating with:
- Royal Malaysia Police, MCMC, SIRIM, Government Security Office, Survey and Mapping Department**, and authorities from **Sabah and Sarawak**.

Altitude Angel & NexG CSA Partner to Advance UTM Services in Malaysia

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Strategic Partnership Announced: Altitude Angel and NexG CSA unveiled collaboration at **Airspace World 2025 (Lisbon)** to deliver **unified traffic management (UTM)** services across Malaysia.

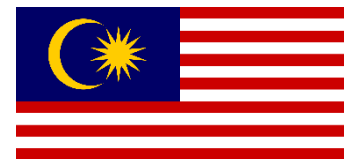
GuardianUTM Deployment: Altitude Angel's GuardianUTM platform to provide **real-time situational awareness**, improving safety and efficiency in UAS operations under Malaysia's **Drone Technology Action Plan 2022–2030 (MDTAP30)**.

Live Monitoring Capabilities: Key stakeholders will gain **direct visibility into UAS activity**, supporting public safety and regulatory oversight.

Future Innovation: Partnership may introduce Altitude Angel's **ARROW technology** to enable **BVLOS operations** and integration with crewed aviation via full airspace user detection.

National Alignment: Supports Malaysia's strategic ambitions for a **regulated, scalable, and commercially viable drone ecosystem**.

Industry Leadership: Combines **Altitude Angel's global UTM expertise** with NexG CSA's **local market knowledge and infrastructure**.



Source: sUAS News, 2 May 2025

EASA Certifies First U-space ATM Service Provider For Uncrewed Aircraft

Anra Technologies is ready to launch U-space services across Europe



Certification Announced: At Airspace World (Lisbon), 14 May 2025, [Anra Technologies](#) became the **first company certified by EASA** as a **U-space service provider (USSP)** under **Regulation (EU) 2021/664**.

European Milestone: Marks a major step in enabling **BVLOS** and **automated UAS operations** across Europe; certification sets a **benchmark for technical and regulatory readiness**.

Source: [AIN Online, 14 May 2025](#)

Service Readiness: Anra now prepared to **launch U-space services** in multiple EU Member States, pending **national authority and ANSP approvals**.

Rigorous Evaluation: Certification followed **two years of EASA oversight**, including assessments of **safety, cybersecurity, and data protection systems**.

Strategic Impact: Supports development of **secure, interoperable, and scalable U-space ecosystems** to enable future **autonomous passenger and commercial drone operations**.



EASA Statement: Certification “moves us closer to a safe, secure, and interoperable European U-space,” said EASA Director Florian Guillermet.

First Real-Time UTM Coordination Between BVLOS Drone Operators in U.S.



Milestone in Texas: [Flytrex](#) and [Wing](#) launched the first daily commercial UTM-enabled BVLOS operations in Dallas-Fort Worth area, using the [Strategic Coordination](#) standard.

Automated Deconfliction: Operators **share flight intent data** and **auto-adjust routes** to avoid conflicts—no manual coordination required.

FAA UTM Operational Evaluation: Initiative forms part of the **FAA's broader national UTM framework**, supporting scalable, safe drone delivery.

Industry Perspective:

- Flytrex: UTM is “the backbone” of scalable drone delivery.
- Wing: This sets the foundation for **multi-operator airspace sharing** and expanded commercial delivery networks.

Operational Significance:

- Enables **sustained, low-altitude commercial BVLOS operations**.
- Supports safe expansion of drone services in **densely populated, shared airspace**.

Delivery Leadership:

- Flytrex:** 200,000+ drone deliveries in TX & NC.
- Wing:** 450,000+ global deliveries across 3 continents.



Source: [DroneLife, 28 May 2025](#)

UTM Initiatives

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UTM Framework

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Future evolution is set to be rapid, and will follow paths as yet undefined. Supporting this continued evolution while encouraging innovation will require:

Safety assurance for manned aviation, UA and people and property on the ground.

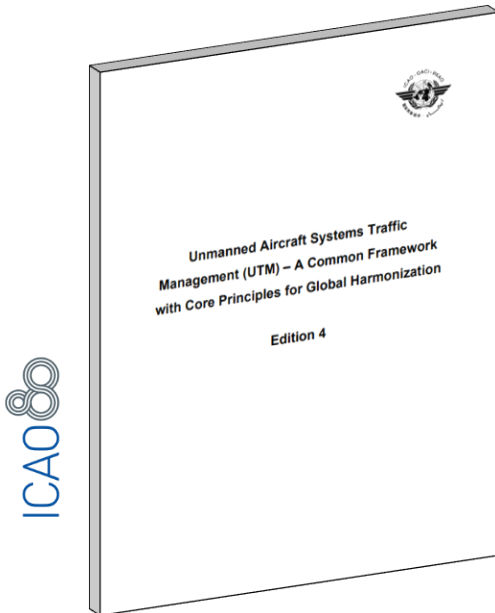
Flexibility in system architecture and UTM service definition to enable UTM systems to react to developments in technology and business applications.

Increase in efficiency in UTM service provision, especially as numbers of UA increase.

Ongoing harmonization of standards and regulations that support various implementation options.

Automatic and continuous validation of UTM systems.

New and amended economic and cost recovery models for both the services provided and potentially the regulatory oversight aspects may need to be developed..





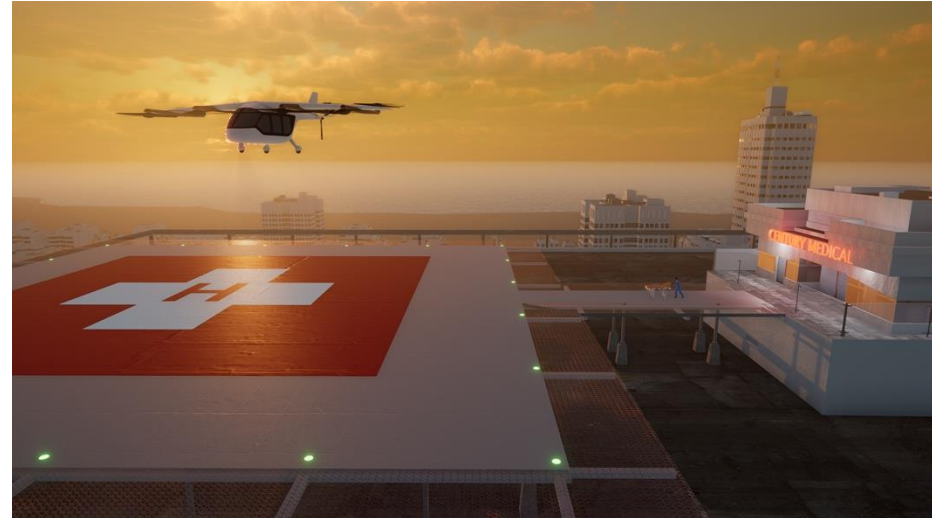
ADVANCED AIR MOBILITY (AAM)

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REGIONAL
CARGO AND
PASSENGER
TRANSPORT



PUBLIC
GOOD



CONSUMER/
ENTERPRISE
GOODS AND
SERVICES



LOCAL
PASSENGER
TRANSPORT



Advanced Air Mobility (AAM)



ADVANCED AIR MOBILITY (AAM)

32

REGIONAL
CARGO AND
PASSENGER
TRANSPORT



PUBLIC
GOOD



CONSUMER/
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LOCAL
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TRANSPORT



ADVANCED AIR MOBILITY STUDY GROUP

AAM Study Group (AAM SG) – Terms of Reference

The AAM SG will support the ICAO Secretariat to develop a holistic vision and framework related to AAM, and:

- a) **serve as a focal point** for ICAO AAM-related work with the aim of ensuring global interoperability and harmonization;
- b) perform an **assessment of the AAM ecosystem**, including, as deemed necessary, subsets, such as urban air mobility (UAM) and enablers, such as unmanned aircraft system (UAS) traffic management (UTM), automation and autonomy, information and data management, artificial intelligence (AI), etc.);
- c) based on the outcomes of the previous step, **perform a gap analysis between existing practices, ICAO provisions and what might be required from ICAO**;
- d) **develop initial guidance material** and the outline of a global framework, as deemed necessary; and
- e) develop **recommendations for an ICAO AAM strategy** and on future work.



Topics being currently considered by the AAM SG

- ✓ **Assessing the AAM Ecosystem (not only the aircraft)**
- ✓ **Holistic vision of the AAM ecosystem evolution report**
- ✓ **UAS regulatory framework gap analysis**
- ✓ **UTM implementation guidance material**
- ✓ **Early implementation Guidance on eVTOL operations in current ATM environment**
- ✓ **Exploring areas: autonomy and automation, new flight rules, the role of the pilot, information and data management, the link between AAM and the UN SDGs...**
- ✓ **Support ATMRPP on Global ATM Operational Concept (GATMOC) update for AAM related considerations**
- ✓ **Coordination with many ICAO expert groups: ADOP, RPASP, GANP SG, TFP, IMP, FLTOPSP, ATMOPSP...**





ADVANCED AIR MOBILITY (AAM)

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Current description of AAM

AAM is composed of a wide range of technologies, services, operations, aircraft, and use cases, and, for the purpose of delineating the AAM VISION and the scope of the AAM SG's gap analysis and recommendations for future work, covers :



the operations of aircraft **without a pilot onboard**, requiring in most instances novel services and infrastructure to support or scale the operations;



the operations of aircraft **with a pilot onboard**, that have a combination of novel design, operations, propulsion methods, and increasing levels of automation that feature the following: new human machine interfaces, pilot training, airworthiness standards. Additionally, these operations require novel services and infrastructure necessary to support or scale.



ADVANCED AIR MOBILITY (AAM)

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IN

UAS operated in visual line of sight (VLOS)

n:M supervised UAS

An electric aircraft of novel design with high level of automation participating in cooperative airspace

UAS airship

Large remotely piloted aircraft with persons on board

Automated airships

eVTOL piloted

Small UAS operated in swarms

UAS BVLOS

OUT

Conventionally piloted aircraft with fly-by-wire flight control systems

Supersonic or hypersonic aircraft piloted

Piloted Regional transport category aircraft with hydrogen propulsion

Large commercial air transport aircraft

Large Airship piloted

Covered outside the AAM SG

Unmanned free balloons

RPAS as covered by RPASP

Altitude Platform Systems (HAPS)

Electric conventional aircraft integrated in "current" ATM the traditional way

ADVANCED AIR MOBILITY (AAM)

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- ✈ In other words:
 - ✈ More than eVTOLs;
 - ✈ An ecosystem rather than an aircraft;
 - ✈ Includes UAS, UTM and all sorts of operations;
 - ✈ Impact on flight rules, roles and responsibilities of the pilot;
 - ✈ Not addressing the technology evolution of commercial-type aircraft, nor high-altitude operations.



ADVANCED AIR MOBILITY (AAM) - *CALL TO ACTION*

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Calling for collaboration in key areas

- ✓ Understanding AAM
- ✓ Building AAM Infrastructure
- ✓ Supporting, Governing and Regulating AAM

Specific priorities

- ✓ Regulatory interoperability and adaptability, airspace integration, multilevel cooperation, and support for innovation



AAM 2024 ICAO'S FIRST ADVANCED
AIR MOBILITY SYMPOSIUM

AAM 2024 ICAO'S FIRST ADVANCED
AIR MOBILITY SYMPOSIUM



AAM International Call to Action

Paving the Way for the Future of Aviation with Advanced Air Mobility





AAM 2024

ICAO'S FIRST ADVANCED
AIR MOBILITY SYMPOSIUM

9 — 12 September 2024

ICAO Headquarters, Montréal, Canada



Event Sponsor



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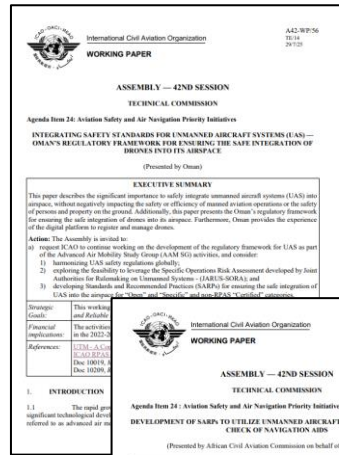
AIR CANADA

On ICAO TV

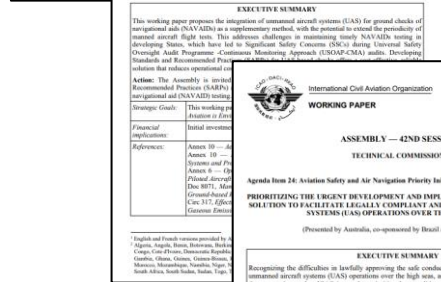
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42nd ASSEMBLY - UAS/RPAS/AAM PAPERS (WP)



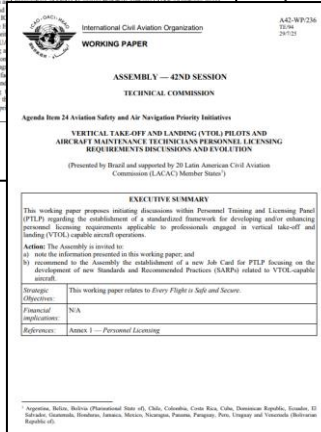
A42-WP/56: INTEGRATING SAFETY STANDARDS FOR UNMANNED AIRCRAFT SYSTEMS (UAS) — OMAN'S REGULATORY FRAMEWORK FOR ENSURING THE SAFE INTEGRATION OF DRONES INTO ITS AIRSPACE (Oman)



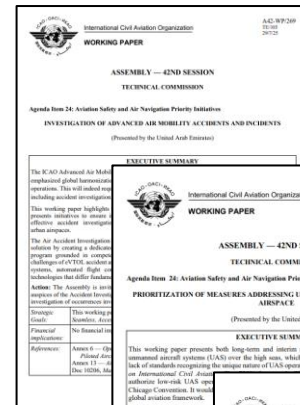
A42-WP/145: DEVELOPMENT OF SARPs TO UTILIZE UNMANNED AIRCRAFT SYSTEMS FOR GROUND CHECK OF NAVIGATION AIDS (African Civil Aviation)



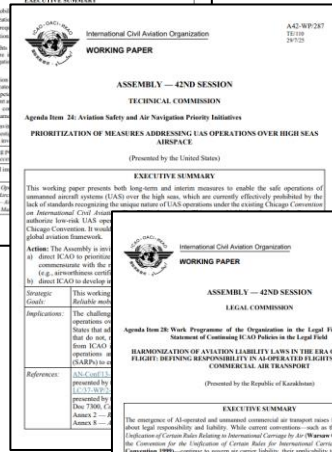
A42-WP/160: PRIORITIZING THE URGENT DEVELOPMENT AND IMPLEMENTATION OF AN INTERIM SOLUTION TO FACILITATE LEGALLY COMPLIANT AND SAFE UNMANNED AIRCRAFT SYSTEMS (UAS) OPERATIONS OVER THE HIGH SEAS (Australia)



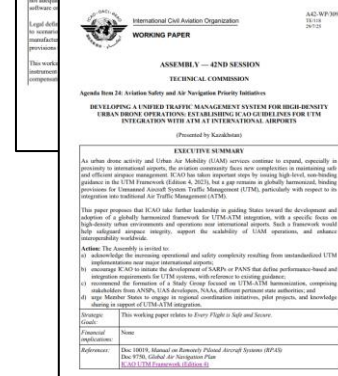
A42-WP/236: VERTICAL TAKE-OFF AND LANDING (VTOL) PILOTS AND AIRCRAFT MAINTENANCE TECHNICIANS PERSONNEL LICENSING REQUIREMENTS DISCUSSIONS AND EVOLUTION (Brazil)



A42-WP/269: INVESTIGATION OF ADVANCED AIR MOBILITY ACCIDENTS AND INCIDENTS (UAE)



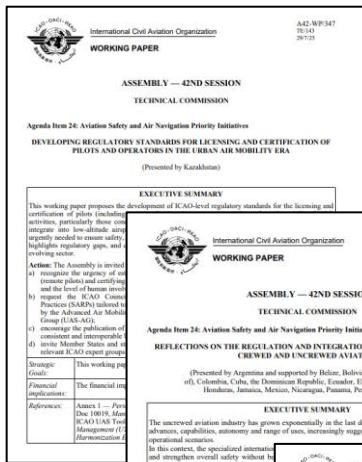
A42-WP/287: PRIORITIZATION OF MEASURES ADDRESSING UAS OPERATIONS OVER HIGH SEAS AIRSPACE (USA)



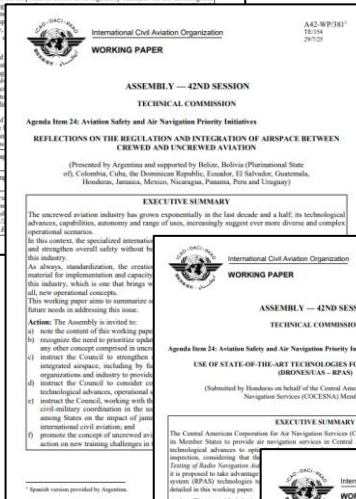
A42-WP/300: HARMONIZATION OF AVIATION LIABILITY LAWS IN THE ERA OF AUTONOMOUS FLIGHT: DEFINING RESPONSIBILITY IN AI-OPERATED FLIGHTS AND UNMANNED COMMERCIAL AIR TRANSPORT (Kazakhstan)

A42-WP/309: DEVELOPING A UNIFIED TRAFFIC MANAGEMENT SYSTEM FOR HIGH-DENSITY URBAN DRONE OPERATIONS: ESTABLISHING ICAO GUIDELINES FOR UTM INTEGRATION WITH ATM AT INTERNATIONAL AIRPORTS (Kazakhstan)

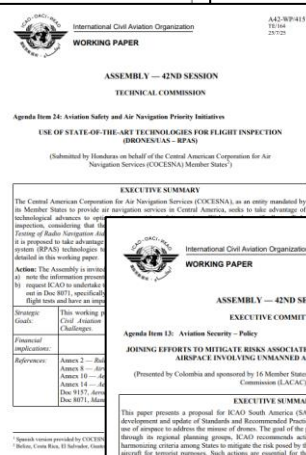
42nd ASSEMBLY - UAS/RPAS PAPERS/AAM (WP)



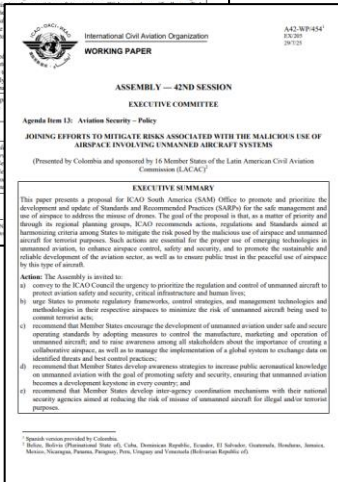
A42-WP/347: DEVELOPING REGULATORY STANDARDS FOR LICENSING AND CERTIFICATION OF PILOTS AND OPERATORS IN THE URBAN AIR MOBILITY ERA (Kazakhstan)



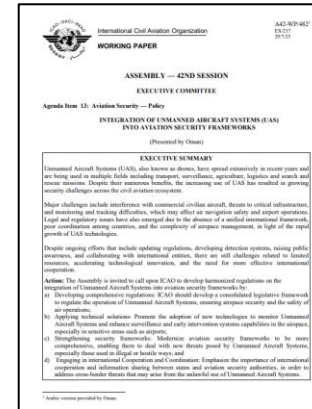
**A42-WP/381: REFLECTIONS ON THE
REGULATION AND INTEGRATION
OF AIRSPACE BETWEEN CREWED
AND UNCREWED AVIATION**
(Argentina)



A42-WP/415: USE OF STATE-OF- THE-ART TECHNOLOGIES FOR FLIGHT INSPECTION (DRONES/UAS – RPAS) (COCESNA)

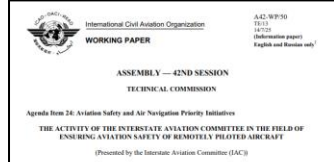


**A42-WP/454: JOINING
EFFORTS TO MITIGATE RISKS
ASSOCIATED WITH THE
MALICIOUS USE OF
AIRSPACE INVOLVING
UNMANNED AIRCRAFT
SYSTEMS (Colombia & LACAC)**



A42-WP/482: INTEGRATION OF UNMANNED AIRCRAFT SYSTEMS (UAS) INTO AVIATION SECURITY FRAMEWORKS (Oman)

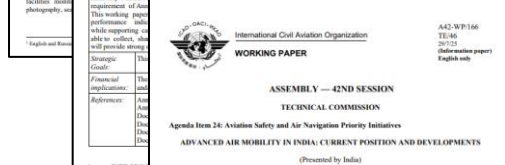
42nd ASSEMBLY - UAS/RPAS/AAM PAPERS (IP)



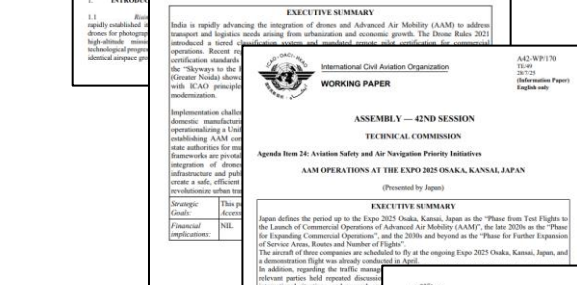
A42-WP/50 (IP): THE ACTIVITY OF THE INTERSTATE AVIATION COMMITTEE IN THE FIELD OF ENSURING AVIATION SAFETY OF REMOTELY PILOTED AIRCRAFT (IAC)



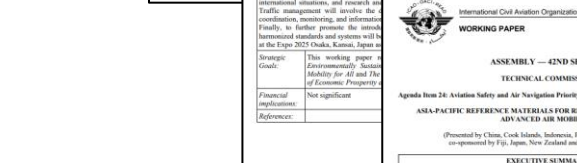
A42-WP/62 (IP): ENHANCING THE INTEGRATION OF REMOTELY PILOTED AIRCRAFT SYSTEMS (RPAS) SAFETY DATA INTO STATE SAFETY PROGRAMMES (SSPs) (Qatar)



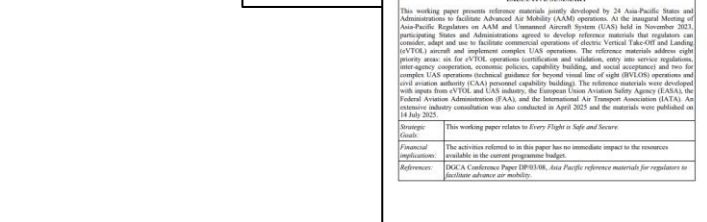
A42-WP/166 (IP): ADVANCED AIR MOBILITY IN INDIA: CURRENT POSITION AND DEVELOPMENTS (India)



A42-WP/170 (IP): AAM OPERATIONS AT THE EXPO 2025 OSAKA, KANSAI, JAPAN (Japan)



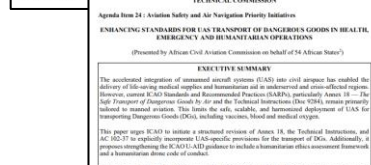
A42-WP/172: ASIA-PACIFIC REFERENCE MATERIALS FOR REGULATORS TO FACILITATE ADVANCED AIR MOBILITY (China)



A42-WP/195 (IP): DEVELOPMENT OF GUIDANCE MATERIALS FOR CERTIFICATION AND OPERATIONS OF ELECTRIC VERTICAL TAKE-OFF LANDING (EVTOL) POWERED-LIFT AIRCRAFT FOR CROSS-BORDER OPERATIONS AND REGULATORY FRAMEWORK FOR DIFFERENT CATEGORIES OF UNMANNED AIRCRAFT SYSTEMS (China)



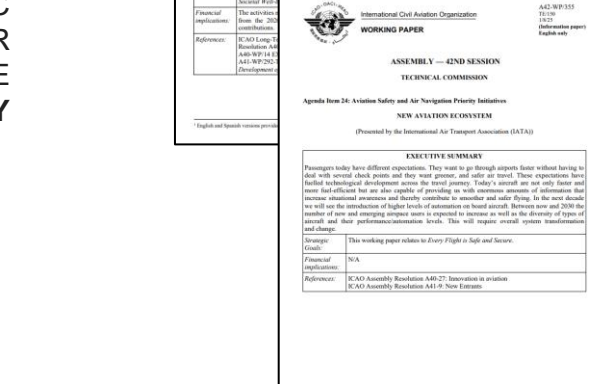
A42-WP/223 (IP): ENHANCING STANDARDS FOR UAS TRANSPORT OF DANGEROUS GOODS IN HEALTH, EMERGENCY AND HUMANITARIAN OPERATIONS (African Civil Aviation)



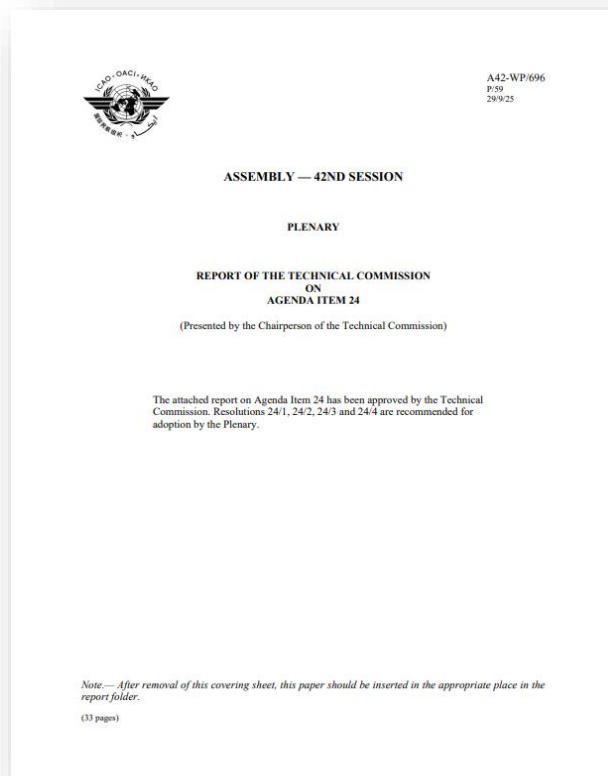
A42-WP/312: DESIGN OF A METHODOLOGICAL FRAMEWORK TO ASSESS COMMUNITY ACCEPTANCE OF URBAN AIR MOBILITY (UAM): FINDINGS FROM THE DOMINICAN REPUBLIC (Dominican Republic)



A42-WP/355 (IP): NEW AVIATION ECOSYSTEM (IATA)



42nd ASSEMBLY - AAM



"24.88 [...] The Commission, in noting the ongoing work to ascertain the need for **provisions and guidance for the advanced air mobility (AAM) ecosystem**, which encompasses UAM, aiming for a safe integration of these activities into the airspace, recognized the need for timely global provisions for AAM, and further agreed that both papers should be referred to the relevant expert group for further consideration."

"24.89 [...] The Commission recognized, in general, the importance and urgent need for **global provisions for AAM**. Accordingly, the Commission agreed to refer these working papers to the relevant expert groups for further consideration. Furthermore, the Commission urged Member States to engage in regional coordination initiatives, pilot projects, knowledge sharing in support of UTM-ATM integration, and facilitate cross-border UAS operations through mutual recognition of UAS operational authorizations."

"24.90 [...] The Commission noted the ongoing work in identifying gaps and formulating recommendations for future work in relation to AAM, and recognized that the **unique characteristics of AAM posed complex challenges, including with respect to implementation and capacity building**. Therefore, the Commission agreed on the importance to develop **fit-for-purpose regulatory frameworks for AAM** [...]"



*“By **embracing innovation and working together**, we can create a **new era in aviation** that is inclusive of a broad range of users and operations. To achieve this vision, **high levels of global cooperation** should be enabled by strategic planning while remaining adaptable to changes”.*

Call to Action AAM 2024

Thank You

