

December 23rd, 2024

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Hey there!

We hope you had a great weekend! There is a lot of exciting news in the evolving Canadian aviation industry right now - knowing how tough it is to stay on top of all the updates and make sense of the meaningful progress you should keep track of, we are sending you our exclusive updates on AAM developments!

Have a story you'd like to share? Reach out to the team at info@canadianaam.com

The estimated reading time for this edition of **The Pulse** is around **8 minutes**.

Regulatory Updates from National Authorities



Our **final AAM Town Hall of 2024** was a fitting close to an exciting year! The **Federal Aviation Administration** and **NAV CANADA** showed up packed with updates regarding SFAR and RPAS Traffic Management Trials.

Christina Grabill from the **FAA** highlighted the new SFAR, a milestone for integrating powered-lift aircraft:

- **Purpose:** Closes regulatory gaps, establishes streamlined pilot certification pathways, and fast-tracks advanced aircraft integration.
- **Key Updates:** Flexible pilot training options, performance-driven rules, and a 10-year plan to refine standards.
- **Global Impact:** Aligns U.S. regulations with ICAO and EASA, supporting cross-border AAM operations.

Alan Chapman, Kirsten Dawson, and Jonathan Bagg shared **NAV CANADA's** vision:

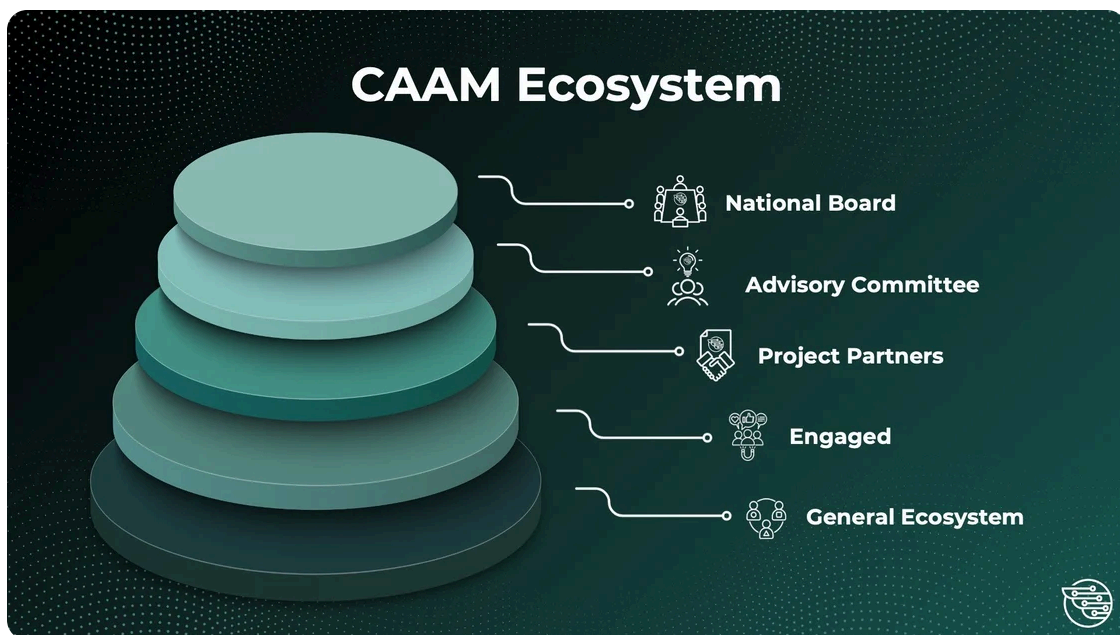
- **Innovations:** Dynamic airspace allocation using Flexible Use Airspace, optimized for efficiency and reduced emissions.
- **Principles:** Safety-first frameworks and equitable access for all aviation users.
- **Future Outlook:** Leveraging existing systems for early AAM operations, scaling to corridors and cooperative volumes as demand grows.

Catch the full [December AAM Town Hall recording](#) with topic timestamps in the description for quick navigation! Sign up for the Q1 2025 AAM Town Hall [here](#).

Want to hear more updates from Transport Canada and NAV CANADA?

- Email TC.RPASInfo-InfoSATP.TC@tc.gc.ca to be added to Transport Canada's **Monthly RPAS Team Newsletter** - Drone Zone / Zone de Drone!
- Sign up for NAV CANADA's [newsletter](#) to stay informed.

Unlock the Power of CAAM 2.0 Membership



This fall, we soft-launched the CAAM 2.0 Membership model to empower and support Advanced Air Mobility (AAM) leaders like you. It's your gateway to tailored benefits, deeper industry engagement, and direct impact on Canada's AAM future.

Why join CAAM?

- **Priority Access to Global Trade Delegations:** Exclusive access to CAAM-led international trips, like the **Canadian Delegation California Trip** in January 2025, connecting you with leading OEMs, emerging technologies, and new markets.
- **Advocacy in Policy & Regulation:** Gain a voice in CAAM's policy and regulatory advocacy efforts - your insights will help shape the future of AAM regulation and influence national AAM strategies.

- **Networking & Business Development:** Build connections with industry leaders, government officials, and global AAM stakeholders through private roundtables, closed-door meetings, and curated events.

Join Canada's leading AAM voice and play a pivotal role in advancing the future of air mobility. [Learn more and become a member today!](#)

Sponsor Highlight: New Milestone for YEG's Drone Delivery Program



Edmonton International Airport (YEG) continues to play a pivotal role in advancing AAM technology in Canada, including the launch of their [Phase Two Commercial Drone Program](#) in collaboration with the Montana First Nations, which is the first drone program in Canada to [safely intersect with the runway glide path](#). The expansion of the Canary drone route from YEG to Montana First Nation's Akamihk Medical Clinic in Leduc will allow for more efficient delivery of time-sensitive, high-value products.

We would like to extend a special thanks to YEG for supporting the Pulse and CAAM September AAM Town Hall. We are proud to partner with YEG as we work towards a cleaner and more connected future for air mobility in Canada!

Looking to showcase your brand with the Canadian AAM ecosystem? We would love to partner with organizations that share our vision for advancing air mobility in Canada. Reach out to us [here](#) to learn more about sponsorship opportunities and how you can help shape the future of AAM in Canada!

ICYMI: In Case You Missed It



ANNOUNCEMENT

Over **\$100M total value of projects** for the aerospace industry

INSAT INTAD Financé par le gouvernement du Canada
Funded by the Government of Canada **Canada**

[INSAT Projects Announced](#)

We're thrilled to support the Initiative for Sustainable Aviation Technology (INSAT ~ INTAD) as it launches its first wave of transformative research projects aimed at decarbonizing aviation and driving sustainable advancements across Canada. Backed by over \$100M in funding and partnerships with leading industry innovators, these projects are set to redefine clean technology in aviation:

- **Turbine Engine Advanced Materials for Efficiency (TEAME)** with Pratt & Whitney Canada and Derivation Research Laboratory
- **Fuel Cell Stack with Integrated Solid-state Hydrogen Storage** with Ballard Power Systems and Hydrogen In Motion Inc. (H2M)
- **Electric Jet Aircraft Testing** powered by batteries and a 250kW eJet with Duxion Motors and Tronosjet
- **Electrification of the DHC-2 Mk1 De Havilland Beaver** with Harbour Air and Elevate Aviation
- **Hydrogen Advanced Design Engine Study (HyADES)** with Pratt & Whitney Canada and Next Hydrogen

These projects are key steps toward a greener, more sustainable aviation future.



[Canada's Hydrogen Aviation Consortium - H2CanFly](#)

We are also excited to support the launch of **H2CanFly**, Canada's new national consortium dedicated to advancing hydrogen aviation. Unveiled at the 2024 AIAC Canadian Aerospace Summit, H2CanFly brings together top partners like **Airbus**, **CAE**, **National Research Council Canada**, and leading industry players such as **Redrock Power Systems**, **Tronosjet**, and **Unither Bioelectronics**.

This initiative aims to drive hydrogen and electrification innovations across Canada's aviation and aerospace sectors. H2CanFly's vision extends beyond aviation, impacting rail, marine, and heavy-duty trucking, all in support of our nation's ambitious net-zero goals.

Funding Updates



Canadian Delegation to Bay Area | California CanEXPORT Trip

Visit **Joby**, **Archer**, **Wisk** and **NASA** on the Canadian Delegation Trip to San Francisco, California, taking place January 27–31, 2025, with the support of Global Affairs Canada's CanExport program. This exclusive trip is your chance to get up close and personal with leading AAM OEMs!

What's in Store:

- OEM Visits: Full-day tours at Joby Aviation, Archer Aviation, and Wisk, featuring site visits, direct engagement with industry leaders, and potential demonstration flights.
- NASA Insight: A visit to NASA's Ames Research Center for an in-depth look at AAM innovation.
- Networking & Collaboration: Strengthen ties with key players and foster partnerships that could transform Canada's AAM landscape.

Proposed Itinerary:

- Jan 27: Delegation arrives in San Francisco.
- Jan 28–30: Full-day OEM visits to Joby, Archer, and Wisk.
- Jan 31: NASA Ames Research Center visit; evening departure.

Funding Opportunity:

CAAM members are eligible for funding to cover 50% of trip expenses, up to 50% of the total cost. Non-CAAM members can join the delegation but will not receive reimbursement.

This is a unique chance to immerse yourself in the forefront of AAM innovation and build connections that can accelerate opportunities in Canada.

[Join as a CAAM Member to have priority access to these funding opportunities.](#)

New CAAM Member Announcement - CS Group Canada



We're excited to welcome [CS GROUP - Canada](#) as an Engaged member of our collaborative ecosystem. Renowned for their expertise in safety, cybersecurity, and regulatory compliance, they advance critical embedded systems across the aerospace lifecycle, from concept to certification.

As Canada shapes a connected and innovative AAM future, partners like CS GROUP - Canada play a vital role in delivering safe, operational solutions. Their commitment to rigorous standards like DO-178, ARP4754, and DO-326 in ITAR and

CGP-compliant environments aligns seamlessly with our vision for zero-emission aircraft and sustainable AAM operations.

Welcome aboard, CS Group Canada! Let's work together to assemble and build the Canadian AAM ecosystem well en route to operations.

Upcoming Events That Should Be on Your Radar



CRIAQ RDV Forum

Date: February 25-26, 2025

Location: Grand Quay of the Port of Montreal

[Register Here](#)



SAE AeroTech

Date: May 6-8, 2025

Location: Vancouver, British Columbia

[Register Here](#)



2025 Airports Canada Conference

Date: May 26-28, 2025

Location: Hilton Quebec, Quebec City

[Register Here](#)



Dubai Airshow 2025

Date: November 17-21, 2025

Location: DWC, Dubai Airshow Site

[Register Here](#)