

June 28th, 2024

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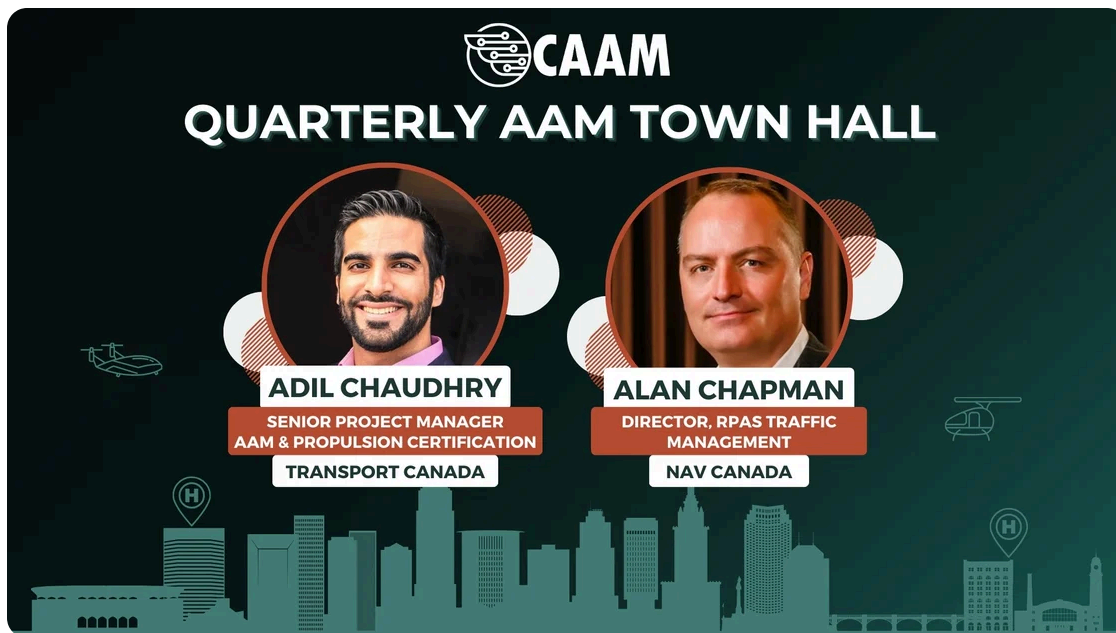
Hey there!

We see lots 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 **9 minutes**.

Regulatory Updates from Our National Authorities



CAAM June AAM Town Hall - Transport Canada and NAV CANADA!

Adil Chaudhry, Senior Project Manager for AAM and Propulsion Certification at Transport Canada, provided an overview of **TC's organizational structure** and **aviation safety program**. He discussed Canada's **regulatory framework**, the **aircraft certification process**, and **international agreements and harmonization**. Adil also highlighted **TC's approach to AAM and eVTOL certification**, emphasizing the critical steps and growing momentum in certifying new technologies.

Alan Chapman, Director of RPAS Traffic Management at NAV CANADA, presented insights into the **[RPAS Traffic Management \(RTM\) vision and concept of operations](#)**. He covered **NAV Drone's Phase 1** and the **outlook for Phase 2**, detailing **rFIMS capabilities** for pre-flight, in-flight, and management stages. Alan also described the capabilities of RTM service providers for low to high-risk operations and discussed airspace definitions and upcoming RTM system trials.

Watch our **[June AAM Town Hall recording](#)** for more details, find the topic time-stamps in the description for easy viewing!

Want to hear more updates from Transport 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!

VTOL OEMs, ICAO Needs Your Help!

The International Civil Aviation Organization (ICAO) is at the forefront of developing **global standards for the safe operation of VTOL-capable aircraft (VCA) at aerodromes, heliports, and vertiports**. As leading OEMs, your expertise and data are crucial to developing these standards.

The aim is to establish minimum requirements for safe operation and infrastructure design, with a focus on flexibility to accommodate various VCAs. OEM data is essential for determining minimum dimensions, outwash distances, vertical procedures, and arrival surfaces.

For more information and submission of data, read the full [Open Letter to OEMs](#) and download the [data input form](#).

Please submit directly to the Vertical Flight Infrastructures Working Group (VFIWG) via **Jim Lyons** [Lyons.Jim@hotmail.co.uk] and CC **Arturo Madrigal y Barro** [amadrigal@senasa.es].

Funding Updates



CAAM Leading the Canadian Delegation for the 2024 AIRTAXI World Congress!

Thanks to **Global Affairs Canada's CanExport program**, we are partnering with **Global Travel Investments** to provide **funding reimbursements of up to 50%** for travel and attendance. This opportunity is available to Canadian organizations wishing to showcase their presence at the AIRTAXI World Congress under the CAAM and Canada umbrella.

Availability for this funding is limited and is offered on a first come first serve basis, for more information, please fill out this [form](#)!



The graphic features the GoAERO Prize logo at the top, with 'GO' in dark blue, 'AERO' in a gradient of teal to purple, and 'PRIZE' in dark blue below it. Underneath the logo is the text 'AERIAL EMERGENCY RESPONSE OPERATIONS' and the website 'www.GoAEROprize.com'. Below this are three columns of text, each with a title and a description.

EMERGENCY RESPONSE FLYERS	INNOVATOR TEAMS	\$2+ MILLION IN PRIZES
We will catalyze the creation of safe, portable, versatile, autonomy-enabled Emergency Response Flyers.	We are on a mission to find innovative minds - true heroes who think beyond boundaries and create technology to save lives.	Our goal is to encourage brilliant thinkers to develop solutions for emergency response, whether medical, environmental, or humanitarian.

CAAM Partners with [GoAERO Prize](#) - \$2 million USD for Emergency Response Aircraft

In partnership with Boeing, NASA, RTX, CAAM, and other global aerospace organizations, **GoAERO Prize** is a three-year, global competition offering **over \$2 million (USD)** in prizes to Teams who build a **safe, portable, robust, autonomy-enabled VTOL flyers** that respond to challenges posed by natural disasters, medical emergencies, climate change and humanitarian crises.

The competition involves **three stages**:

Stage 1: Digital submission of short technical paper.

Stage 2: Sub-scale/full-scale prototype.

Stage 3: Final Fly-Off. Teams complete three missions with their flyers: Adversity, Productivity, and Maneuverability.

And you don't need to win a previous round in order to proceed to the next stage.

Additional insights:

- The competition is **open to everyone**: students, entrepreneurs, engineers, innovators, builders, and doers!
- Teams **keep** their own **Intellectual Property**.
- Throughout the competition, GoAERO Prize competitors will receive **mentoring** from specialists in **aircraft design, systems engineering, fabrication and testing**.
- Teams also receive access to software, products and services from GoAERO partners to help you build your Emergency Response Flyer.

Do you have an idea that has the potential to drive a lasting impact for humankind? Visit the GoAERO [website](#) to sign up and learn more about the competition!

ICYMI (In Case You Missed It)



[Canada's first-ever commercial electric flight!](#)

On Friday, June 14, 2024, **Sealand Flight** conducted **Canada's first commercial flight** in an electric aircraft. This landmark event featured an introductory flight lesson in the fully electric **Pipistrel Velis Electro**, allowing the student to handle the controls under the guidance of a flight instructor. This milestone signifies the beginning of a new chapter in aviation, allowing for revenue generation to occur for flight schools across Canada!



[Québec's aerospace sector soars with a \\$415M investment boost!](#)

Québec's aerospace industry is set to receive a substantial boost with a \$415 million investment aimed at establishing the new "**Espace Aéro**" innovation zone, spanning Longueuil, Mirabel, and Montréal - focusing on two areas of development: **Decarbonization** and **Aircraft Autonomy and Safety**.

This initiative involves the Québec government and stakeholders from **industry** (Bombardier, Boeing, Pratt & Whitney Canada, FLYING WHALES Québec, Thales Canada, CAE, Airbus Canada, Airbus Atlantique Canada), **educational institutions** (Polytechnique Montréal, École de technologie supérieure, McGill University, Concordia University), and **organizations** like the National Research Council Canada and CRIAQ.

Reach out to us to ensure you have the chance to be a part of the Aerospace Innovations zone conversations in other provinces of Canada!



[Airbus and ZeroAvia partnered with Canada's three busiest airports for hydrogen infrastructure feasibility study!](#)

Montréal–Trudeau (**YUL**), Toronto Pearson (**YYZ**) and Vancouver International Airport (**YVR**) are each partnering with **Airbus** and **ZeroAvia** to better understand hydrogen aircraft concepts and operations, supply, infrastructure and refuelling needs at airports, with the goal of developing the hydrogen aviation ecosystem across the country.

Due to our natural resources, Canada is one of the most promising regions for hydrogen hubs and has great potential for hydrogen production from renewable energy sources such as hydroelectric power. This is the first time that a feasibility study of this magnitude has taken place in Canada to pioneer hydrogen for aviation.



[Harbour Air launches ePlane conversion program with Bel-Air Aviation!](#)

Harbour Air, North America's leading seaplane airline, announced the signing of the Letter of Intent with Bel-Air Aviation for **the conversion of three fully electric eBeaver aircraft** at Aéro Montréal's Interational Aerospace Innovation Forum 2024!

Bel-Air Aviation specializes in sightseeing tourism on the east coast of Canada and has expressed a keen interest in enhancing its operations by integrating fully electric aircraft.

ICAO AAM Symposium 2024

AAM 2024

ICAO'S FIRST ADVANCED
AIR MOBILITY SYMPOSIUM



Marc Parent
Chief Executive Officer
CAE



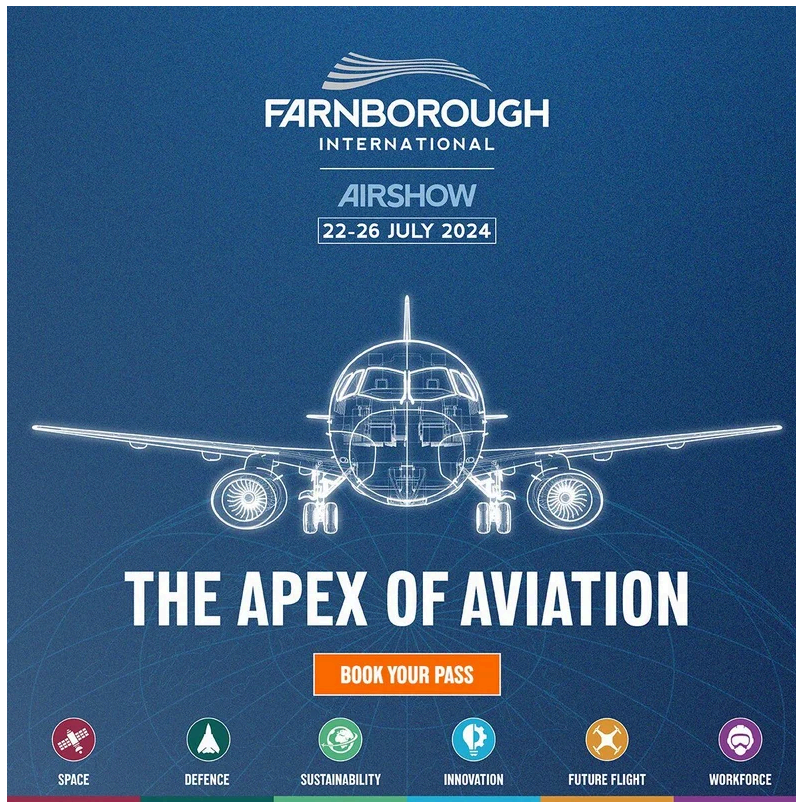
We are collaborating with ICAO to bring the world of eVTOL aircraft, vertiports, and airspace integration to **Montréal** at **AAM 2024** on **September 9-12th** of this year! Don't miss your chance to be present at an unparalleled platform for networking, innovation, and collaboration! Industry leaders, academics, and policymakers will discuss the critical challenges of AAM development and deliberate about future innovations in AAM concepts and technologies.

Here is a sneak peek at just a few of the incredible speakers:

- Marc Parent, President and CEO of CAE
- Brian Yutko, CEO of Wisk
- Kyle Clark - Founder and CEO of BETA Technologies
- JoeBen Bevirt - Founder and CEO of Joby
- Félix Meunier - Director General, Civil Aviation at Transport Canada

[Secure your tickets](#)

Upcoming Events That Should Be on Your Radar



Farnborough International Airshow

Date: July 22-26th

Location: Farnborough, England

Since the first airshow in 1948, Farnborough has been at the heart of numerous aerospace achievements, creating a legacy of awe-inspiring moments and that have shaped international skies.

Taking place from July 22-26, 2024, in Hampshire, UK, FIA represents an important opportunity to showcase and promote the Canadian aerospace industry to international original equipment manufacturers (OEMs) and their global supply chains.

If you're planning on attending, [register](#) on ISED Canada's website to stay up-to-date on the latest news and information regarding Canada's planned presence.

Thanks for tuning into our newsletter - let us know what you think and share this with anyone who may be interested in advanced air mobility updates!

We hope you have a great start to your summer vacation!