



Thomas J. Malafronte
Chairman
[Airport Management]
November 22, 2017- July 25, 2021

Rita Castonguay-Hunt
Vice-Chairman
Unmanned Aircraft Systems
(UAS) Industry
Term ending January 26, 2026

Dominic LaFauci
Secretary
[General Aviation]
Term ending April 23, 2026

Vacant
[Corporate Aviation]
Term ending-July 25, 2024

Brett E. Pierson
[Airlines]
Term ending April 23, 2026

Gregory Goodrich
[Airport Authority]
Term ending – 2026

Andrew Pomeroy
[Aviation Association of New
Hampshire]
Term ending -2027

William Cass
[Commissioner, NHDOT
Ex officio]



RSA 21-L:8

Aviation Users Advisory Board (AUAB) was established in 1986. Members to the AUAB are appointed by the Governor as an advisory board to the director of aeronautics, rail and transit.

March 15, 2024

To: Aviation Users Advisory Board (AUAB)

The next meeting of the Aviation Users Advisory Board is scheduled for **Friday, March 15, 2024, at 10:00 AM being held in the Commissioner’s Conference Room at the John O. Morton Building.**

Approval of Minutes- September 8, 2023

- Chairman’s Comments
- Public Comment
- Election of Officers 2024
- Set AUAB Meeting Schedule for 2024
The following is a proposed schedule to consider:

March 15, 2024

June 21, 2024

September 20, 2024

December 20, 2024

New Business

Presentation: Thea Wurzburg and Jake Goldman from BETA
[BETA Home - BETA](#)

Bureau of Aeronautics New Personnel- Brian Easler- UAS Specialist

**Airport Improvement and Maintenance (AIM) Program
2024 Projects**

NHDOT UAS Implementation Plan Completed

Industry Updates- General Discussion

**Aviation Education – Aviation Art Contest- “Air Sports for a Peaceful World”
Update- Learn Everywhere Program**

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Old Business

- Airport Update- Handout
- Airway Toll Status (Handout)
- Status of Alton Bay Ice Runway

Discussion- Future Meeting with the Governor

Discussion on AUAB Meeting Travel Locations

Executive Session – if necessary.

Aviation Users Advisory Board Meeting Minutes, September 8, 2023.

In attendance: Thomas (Tom) Malafronte, Rita Castonguay-Hunt, Lorri Badolato, Domenic LaFauci, Gregory Goodrich, William Cass, Tricia (Trish) Lambert, Danielle Plant Hutchinson, and Rick Dymant.

Called meeting to order at 10:04 AM

- First order of business: Meeting minutes from June 16, 2023, approved.

Advisory Board Updates:

- Lorri Badolato is retiring from Planesense and from her role with the Aviation Users Advisory Board.
 - Planesense is hiring more attorneys (3) to replace their two-exiting attorneys. Retirement announcement, and plans for future replacements.
- Tom: Official Chairmans' comments.
 - Next AUAB meeting may take place in another location for the December meeting.
 - Andrew Pomeroy has the Thunder over New Hampshire airshow (upcoming,) and is absent from the current meeting.
- Trish: Meeting schedule for the rest of the year includes one on December 15, 2023, during that meeting we will be deciding upon our meeting schedule for 2024.
- Domenic: SNHU ATC/ATM faculty have moved over to Nashua Community College; they plan to start a two-year Associates program in Air Traffic Control and Aviation Management. Also watching the progress on New England College of Aeronautics, a newly approved college with remote-training aviation programs.
 - SNHU is chasing federal grants to improve its UAS training.
 - FAA MOSIAC draft has been released by the FAA. Comment period ending later this year. Will allow aircraft up to 3,000 pounds to be flown by Pilots without medical certificates.
 - Aviation Museum Airplane build will be at Alverine High School in Hudson NH and are seeking volunteers.
- Aircraft Registration Report from Danielle. No reports to register drones with the State of New Hampshire.
- Aircraft registration updates from Karla (registration coordinator).
 - Reviewed a summary of charts include weight classes, antiques, and gliders.

General Updates:

- Trish: Tracking registrations fees via the law in 2019, DOT captured a lot of companies and people who weren't paying. So, we are tracking the "back bills" and to see if there would be a decrease in registration fees as a result.
- William: Question of if back bill would be going down.
 - Trish confirmed that the number of back bills would be going down, and part of the process is verifying that the FAA's information is correct.

- Tom noted changes in folks bringing their aircraft from other states into NH.
- Rita asked if there was a push to register drones, Will and Trish confirmed that the answer is currently “no.”
- FAA has issues releasing user registration information, as minors can be included on this registration information.
- Group chatted about FAA drone registration requirements (commercial vs. recreational operators.)
- Granite state could have a more robust UAS industry was mentioned, group concurred.

Industry updates:

Rita:

- FAA is going to probably push back remote ID enforcement period, which was to go into effect on September 16.
 - FAA announced their nomination of their new administrator, to be confirmed by the senate.
 - Group concurred that this is helpful with policy creation, which is much needed.
- Transport Canada put out their version of a notice of proposal rulemaking for BVLOS, we should see that soon. As it appears, there will be no additional requirements for operations.
- ASTM coming out with an “ops over people” proposal for means of compliance. So far, there has only been one other approval for this.
- Association for Uncrewed Vehicle Systems International (New England Chapter) is having an event on October 3-4.
 - Mass DOT is heavily involved in that planning.
 - Largest uncrewed industry affiliate in the world with chapters globally.
- Wings and Wheels in Concord NH on September 17.
 - Academy of Model Aeronautics (AMA) is activating the Aerobatics Box during the event.
 - Vintage and war-time vehicles will be present as well.
 - STEM providers such as the Girl Scouts will be in attendance, and Rita is working with them to get a drone badge.
- The UAS integration office has a new director, he is a “get stuff done” kind of guy.
- Rita expressed appreciation regarding the Manchester Airport parking garage, it has been updated with guidance and lighting, with additional sensors that parking spots that are open.
- Tom commented on how great it was and how there were some user learning gaps with it. Group discussed the great features, Tom commented on how they did this because MHT closed lot “C”.
- Golf tournament at the end of the month on Friday the 29th.

Domenic:

- SNHU ATC/ATM faculty have moved over to Nashua Community College; they plan to start a two-year Associates program in Air Traffic Control and Aviation Management. Also

watching the progress on New England College of Aeronautics, a newly approved college with remote-training aviation programs.

- Sense of the A&P program is that it is healthy and will stay at Nashua Community College.
 - SNHU is chasing federal grants to improve its UAS training.
 - FAA MOSIAC draft has been released by the FAA. Comment period ending later this year. Will allow aircraft up to 3,000 pounds, with up to four seats, to be flown by Pilots without medical certificates.
 - MOSIAC also lays the groundwork for electric propulsion.
 - Aviation Museum Airplane build will be at Alverine High School in Hudson NH and are seeking volunteers.

Lorri:

- Pilot retention has settled down at Planesense, as a result of efforts of the company.
 - Industry-wide, Pilot and mechanic retention is still an issue.
- Planesense (and general) flying has remained strong, and sales have remained strong,
 - Three more airplanes expected to arrive by the end of this year. Consumers are still spending, not seeing any signs of this slowing down.
 - The economics picture is strong enough for people/companies to buy more aircraft and remain competitive.
 - Retention for mechanics is still sort of an issue, as larger airlines are making a big push to hire A&Ps.
 - Difficult to staff overnight and “hard” shifts.
 - Question regarding Pilots transitioning from Wheels Up to Planesense, but hasn't been apparent, and is being closely watched.
- Group conversation pertaining to Delta's strategic plans, and their purchasing/partnerships involving certain companies.
 - Conversation continued to democratizing aviation.
 - Conversation continued regarding varying models of aviation subscription type models for aircraft ownership.

Tom:

- MHT was recently named #1 Domestic Airport in the country by Travel and Leisure magazine.
 - Has been in the top ten spot for years, first time winning this accolade (and by a wide margin.)
 - There was no campaign behind it, and it was solely customer feedback and reader feedback to the print.
- Recently celebrated National Aviation Day on August 19.
 - Planning for it next year.
 - Static display on display for the event, crash fire and other maintenance equipment, free coffee truck.
 - Inside is a quasi-informational session and job fair.

- New Balance is building a new facility in Londonderry and will be competing with Amazon for employment.
- Working on a national amendment for TSA which mandates screening all workers going into secure areas.
 - It is an unfunded mandate, and they expect airports to do this. Lot of pushbacks from the industry, and MHT will have to change their security program, access, hire more employees, additional training.
 - Airlines are concerned about their own airport access, but the airlines will likely be the one that have to pay for everything involved in this rule change.
 - It will make operating costs go up and will cost more to airlines, which makes it more challenging to operate.
- Cited Domenic for aircraft electrification study for MHT.
 - Beta and United Therapeutics are tapped for seeing how much this will change, with the addition of some electric car companies.
 - Survey to figure out how this will impact traffic at MHT, airplane capacity, and electrification projects.
 - Runways 17/35 are being repaved and repainted at MHT.
 - Upcoming FAA part-139 inspection to ensure that everything is good to go, and then the runway will (tentatively) open September 15.
 - Email being sent to NH DOT on Monday for final preparation.
 - Airline recovery from 2019 is still on the upswing, at about 80%, so not to what it was pre-pandemic, but getting there.

Lorri left the meeting at 10:52 AM and thanked everyone for their collaborative efforts on the AUAB.

AUAB agreed that they will continue to send Lorri invites, and that no one wants her to leave.

Aviation Education updates:

Trish:

- Educational institutions and those that offer aviation education should apply for the “Learn Everywhere Program,” which is a relatively new department of education program.
 - Great program that connects students to additional learning programs, outside of their public education.
 - Once the state board of education accepts this, all schools in NH have to accept this and issue credit for the program (if it is attended,) and the state certainly wants to grow this.
 - Tim Carney at the DOE is the one that is in charge of promoting it, Trish and Danielle is helping as well.
 - Tom asked about getting a flight school, and Trish expanded on how this is beneficial in how NH needs to enter partnerships to expand this.
 - WinnAero has been approved for this.

- Tim Carney is the best point of contact for this.
- Trish did speak about this at GSAMA.
- DOT is pushing the Aviation side of this and have committed to being the conduit for it.

Group commented and agreed that this is extremely beneficial to school students, and for educational institutions. Trisch and Danielle clarified that Charter and Public schools benefit from this directly, and homeschool students have their own credit-based system.

Danielle:

- Aerospace Fest is Saturday, September 16, at the Discovery Center. Free! 10:30 – 4 PM.
 - NH DOT and AUAB invited to Wings and Wheels!

Group discussion about an official NH DOT invitation to Wings and Wheels, Rita invited everyone. Domenic invited the group to the SNHU campus on September 15, for a Wingtra demo.

Old Business:

Trish:

- Regarding the budget process, it was a great budget year for DOT aeronautics.
 - The commissioner was able to open a UAS specialist position, whom will work with Jason Leavitt.
 - This individual will be doing flying, probably flying more in environmental conditions and in flooding situations.
 - NH DOT needs assistance on the data for drones, getting support from inside the DOT, but this position will be extremely helpful.
 - Person doubles the abilities of this office.
- Though the Aeronautics budget itself was good for this year, the division still needs a truck for UAS division.
- UAS implementation plan will be wrapped up in October, things we will need to know is how we utilize UAS in house and work inter-departmental with other offices.
- NH DOT had most their requests recognized in the yearly budget.

Airport Updates:

Rick:

- Appropriations and funding are good until September 30.
- Congress needs to approve the FAA budget, which was stalled in the Senate.
 - Senate is on vacation, so it will be resumed when they are back from recess.
 - In two weeks, there needs to be a senate bill that gets approved, or the FAA is “out of business.”

- Meeting at PSM a couple days ago about certain aspects of the budget, and if things are eligible. All is eligible. Airport and grant money would get stalled.
- Regarding Pandemic grants, CARES is done with.
- BIL, not many updates on.
 - You can have a project, funded by BIL and AIP as long as they are separate, yet same program.
- More information on AIM to follow.
 - \$1 million request from several airports, usually \$250K a year.
 - Annual safety inspections will be done in about a month.
 - Trish mentioned that the information will likely be available at the end of December.
- NH DOT will have a booth on September 16 at McAuliffe center.

Other Updates:

Trish:

- Airway tolls: Appears to be going up to their normal spots, as this relates to the AIM program.
 - The highest was in the \$400K range for fuel, at about 80%.
- Future meeting with the Governor.
 - Need to start planning about it for sure, as Governor Sununu is not seeking reelection.
 - By the time we would get in front of the Governor (likely March,) he would be nearing the end of his tenure.
 - Thoughts are to be to hold off for a year and wait for the new governor.
 - Will mentioned that NH DOT Aeronautics division would still be under the house of transportation and will give the newer board the opportunity to become seasoned and have the ability to communicate better to the incoming Governor.
- Trish will keep the Governors meeting on the agenda.

Around the table one more time. Will pointed out that they are going through their public hearing phase and aeronautics funding and is considering aeronautics as part of the overall plan. *Tom invited Will to future MHT meetings.*

Rita took the opportunity to formally invite the board to Wings and Wheels, which will be hosted at the Concord NH airport on Sunday, September 17, from 10 AM to 2 PM.

Motion to adjourn meeting at 11:31 AM, September 8, approved.

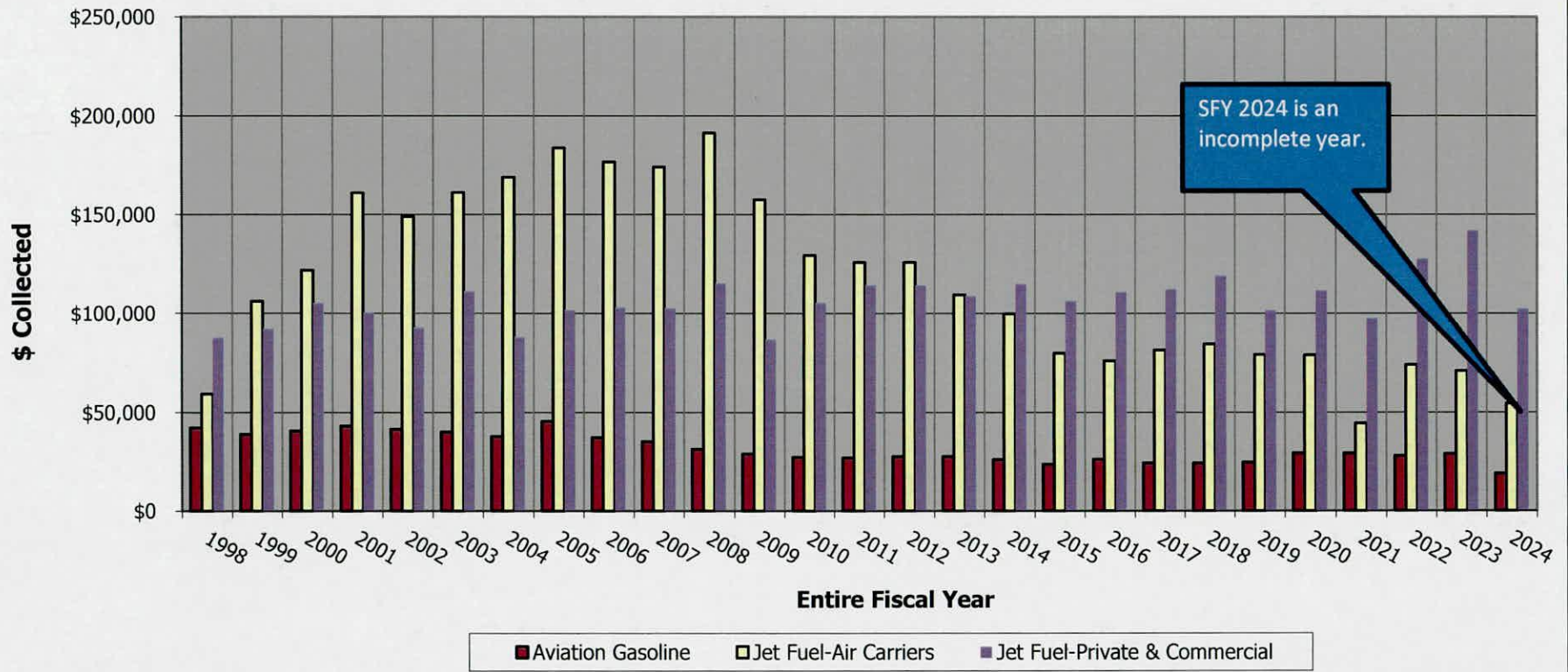
DRAFT

Tally of AIM Pre-Applications To Be Funded In Funding Year 2023 (Ranked By AIM Priority)

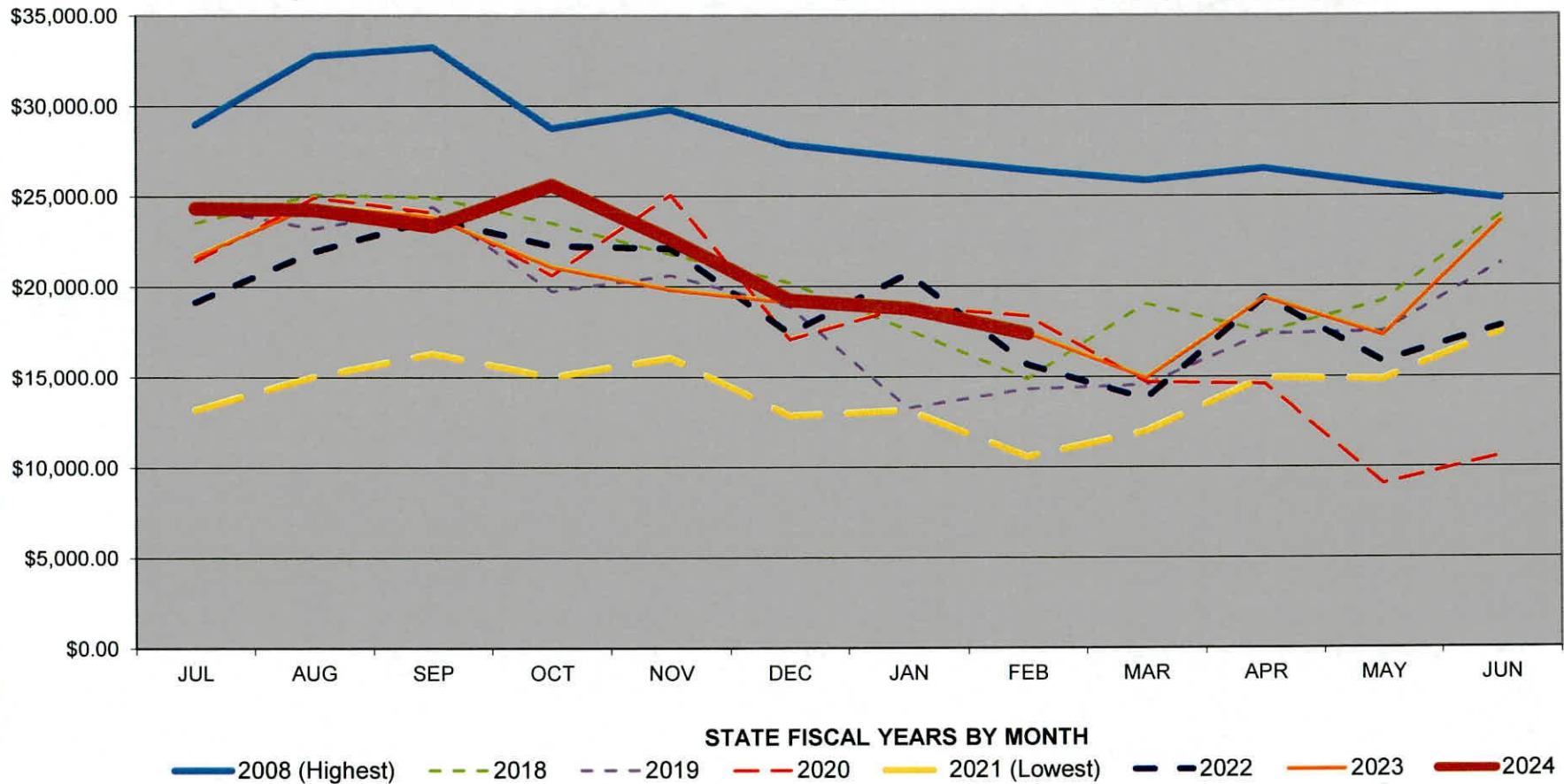
Date Received	Airport ID	Airport Name	Project	Project Description	AIM Purpose	AIM Ranking Number	Total Cost	NHDOT (80%)	Sponsor (20%)
8/29/23	7B3	Hampton Airfield	Runway and Taxiway Markings	Repair and Repaint All Runway and Taxiway Markings	Safety	100	\$7,500	\$6,000	\$1,500
7/17/23	8B2	Twin Mountain Airport	Overlay Runway	Overlay 900 Feet of Runway and 40 Feet X 400 Feet of Taxiway.	Safety	90	\$45,000	\$36,000	\$9,000
8/26/23	8B1	Hawthorne Feather	Reconstruct Runway	Reconstruct Runway 75 Feet X 3,340 Feet & Loam and Seed Runway Perimeter	Safety	90	\$454,699	\$363,759	\$90,940
8/26/23	8B1	Hawthorne Feather	Prepare GPS Map of Airport	Prepare GPS Map for Construction	Planning	60	\$20,320	\$16,256	\$4,064
8/31/23	2B3	Parlin Field	Repair Fuel Sump Containment Unit	Repair Fuel Sump Containment Unit	Economic	50	\$9,000	\$7,200	\$1,800
8/29/23	7B3	Hampton Airfield	Install Gate	Install Gate at South Hangar road access	Safety	50	\$15,000	\$12,000	\$3,000
Totals							\$551,519	\$441,215	\$110,304

	Non-NPIAS Airports
	NPIAS Airports

Aeronautics Fuel Dollars Collected



Monthly Aeronautics Fuel Dollars Collected By State Fiscal Year Compared to Peaks



Data as of 2/29/2024

ART SUBMISSION RULES

All children in the age groups shown below are encouraged to participate in the contest, even if they are related to officials or employees of the FAI or any of its member organizations. Participation in the national contests is limited to residents of that country.

FORMAT

The required format is 11 3/4 X 16 1/2 inches or the nearest possible equivalent. Artwork must not be framed or outlined with borders.

MEDIUM

All artwork must be done by hand (or, in the case of children with disabilities, by foot or mouth).

Any of the following media are permitted:

- Watercolor • Acrylic • Oil paint
- Indelible marker pens • Felt-tip pens
- Soft ball-point pens • Indelible ink
- Crayola/similar indelible medium

The following media are NOT permitted:

- No pencil, charcoal or other non-permanent medium may be used.
- No computer-generated artwork is permitted.
- No collage work involving the use of photo copies is permitted.

MARKINGS

The following details should be clearly shown on the back of art:

- Title • Family name • Given name • Post address
- Email address • Date of birth (Month/Day/Year)
- Country of residence • Name and address of child's school • Certificate of Authenticity

TITLE

There is no need for a title on the poster and entrants can decide for themselves whether or not to include one; however, there should be a clearly recognizable link to the contest theme.

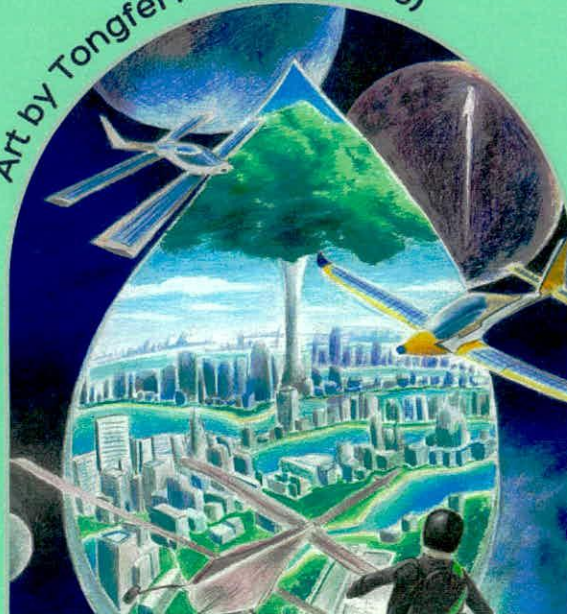
Questions?

Art contact representatives for each state can be found at www.nasao.org. For inquiries about the national level contest, contact Taylor Bryan at tbryan@nasao.org

The National Association of State Aviation Officials (NASAO) is proud to manage the U.S. national art contest in partnership with the National Aeronautic Association (NAA).

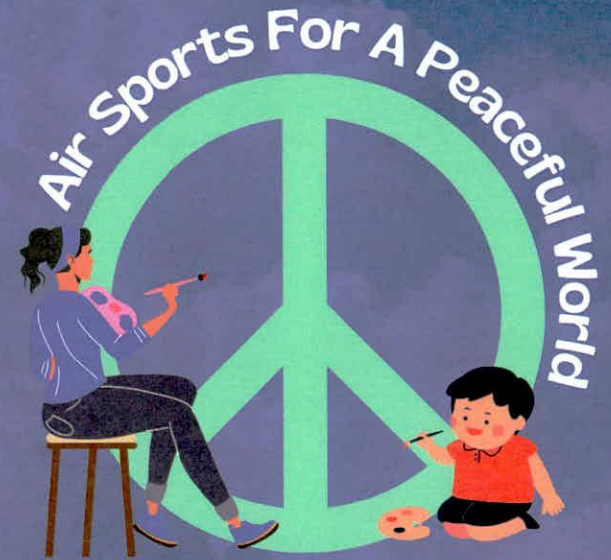
The U.S. contest is part of an international program run by the Fédération Aéronautique Internationale (FAI). All contest rules (with the exception of the U.S. contest deadline dates) are set by FAI.

Art by Tongfei Karen Ji (2023)



NASAO

National Association of State Aviation Officials



2024

Aviation Art Contest

NH DOT
BUREAU OF AERONAUTICS
PO BOX 483
7 HAZEN DRIVE
CONCORD, NH 03302-0483

2024 THEME: AIR SPORTS FOR A PEACEFUL WORLD

Let us imagine a peaceful world in which people live together in harmony, uniting through common interests - such as air sports - to create friendships, show kindness and respect.

All sports have the power to bring people together, promoting positive relationships that cross borders and contribute to a better, more peaceful world. Sports helps people to learn universal values such as solidarity and fair play which extend far beyond the boundaries of a football pitch, an ice rink or an airfield.

The many people around the world who participate in air sports enjoy meeting new friends in new places. Air sports such as Aerobatics, Aeromodelling, Airships, Amateur-Built and Experimental Aircraft, Balloons, Drones, Gliding, Hang Gliding, Helicopters, Manpowered Flying, Microlights, Parachuting, Paragliding, Paramotors and Power Flying, all have the power to contribute to a peaceful society, by bringing people together.

Practicing these sports doesn't only mean knowing how to fly an aircraft or jump from an airplane; or even acquiring new skills, breaking records, and winning competitions.. These activities also give us the opportunity to develop our social skills and help us to learn a sense of solidarity, friendship, and tolerance on and off the airfield. By showing kindness and respect to the people we meet, we can learn to see beyond differences and actively work to overcome difficulties and conflicts.

It's time to grab your brushes and pencils! Let's imagine air sports in a peaceful world. Can you use your imagination to show how pilots, skydivers, and astronauts show kindness and respect and become friends? Your picture could show people enjoying air sports at a friendly competition, helping others at the airfield, or even working together in space! How does peace look in the freedom of the air or among astronauts? Air sports bring people together, no matter what they think about politics, religion, or race. Let's unite through art and air sports, and show others how to inspire love, respect, and unity in the sky and beyond!

DEADLINE

State contest:

Tuesday, January 9, 2024

All artwork being submitted to state contests must be received by January 9, 2024

ELIGIBILITY

Youths, ages 6 - 17, are encouraged to participate in the contest.

- Group I - Junior Category (Date of birth between 1 January, 2014 and 31 December, 2017)
- Group II - Intermediate Category (Date of birth between 1 January, 2010 and 31 December, 2013)
- Group III - Senior Category (Date of birth between 1 January, 2006 and 31 December, 2009)

CONTEST LEVELS STATE AWARDS

Entries in each age group are judged and state winners and runners-up are selected.

Winners receive recognition from their state. The top three entries in each age group are forwarded to Washington, D.C. to be judged in the national competition.

NATIONAL AWARDS

The 1st, 2nd and 3rd place national winners from each age group are selected from the state submissions. All national winning artwork is forwarded to FAI for the international competition.

INTERNATIONAL AWARDS

National winners are forwarded to FAI headquarters.

CERTIFICATE OF AUTHENTICITY

This form is required and must be attached to the back of the artwork in order to qualify.

Name of Entrant (print)

Date of Birth (mm/dd/yyyy)

Phone Number

Home Address

Email Address

Age

Zip Code & State (for National Contest)

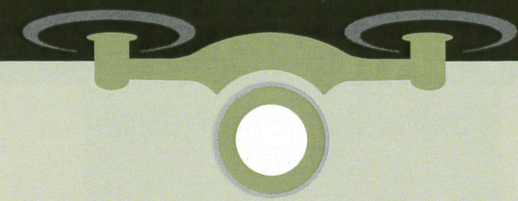
School Name

School Address & Phone

"I certify the entrant named on this form is a resident of the United States of America and this is his or her original and unassisted work. I understand that once received, entries become (and remain) the property of the State Sponsors and NASAO, and may be used for a variety of purposes. Artwork forwarded for international judging become (and remain) the property of the Fédération Aéronautique Internationale (FAI)."

Teacher, Parent, or Guardian Signature

Teacher, Parent, or Guardian Printed Name



The figure to the right depicts what the UAS implementation plan determined was the best organizational structure for the management of the NHDOT UAS program. The organizational structure is one of **Centralized Control and Decentralized Execution**. This structure maximizes the skills of individuals from various bureaus without the need to hire additional staff.

CENTRALIZED CONTROL

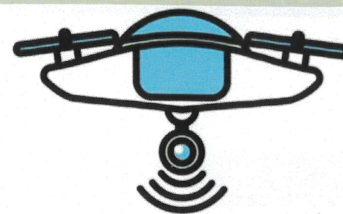
- Policy
- Standardization
- Training
- Evaluation
- Certification
- Expert Execution
- Data Processing
- UAS Acquisition
- UAS Check-in/out
- Equipment Maintenance

BUREAU OF AERONAUTICS

UAS PROGRAM MANAGER

OVERSIGHT AND COORDINATION

UAS SPECIALIST



DECENTRALIZED EXECUTION

ROUTINE EXECUTION

NON-AERONAUTICS BUREAUS

- Construction
- Highway Maintenance
- Bridge Maintenance
- Traffic Systems Management and Operations
- Surveying and Mapping
- Emergency Response
- Structural Inspection

Example of Time and Cost Savings

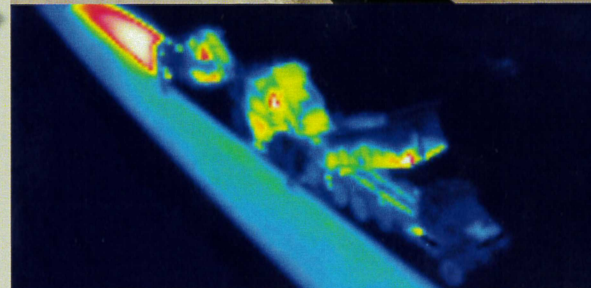
NHDOT has benefited from project cost and time savings by using UAS technologies. The picture to the right shows a 55-acre topographic survey at Moultonborough Airport completed by the NHDOT Aeronautics UAS team. The survey was completed in a fraction of time with a small workforce and less interruptions to the facility as opposed to completing the survey utilizing conventional methods. NHDOT's UAS program has been able to complete survey projects at a total cost which was just 18% of the quote received from a consultant for the same work.



NHDOT's Growing UAS Capabilities Save Time and Money

- 18% of the cost of hiring a UAS consultant
- 20% of the time for conventional survey data collection
- Nationally, state DOTs report 40% to 74% cost savings for structural inspections with the use of UAS technologies
- Real-time quality control during paving operations
- Reduction in construction claims

UAS = Quality Data, Lower Cost, Faster, Safer



UAS PROGRAM MISSION PLAN

The New Hampshire Department of Transportation (NHDOT) is maturing its Unmanned Aircraft Systems (UAS) program to provide UAS technology to meet the goals of the NHDOT and the State of New Hampshire.

Recent Milestones:

- 2019 purchased first UAS; began to integrate UAS to start to utilize the technology advancements at NHDOT
- 2021 established UAS Planner position housed in the Bureau of Aeronautics
- Spring of 2023, NHDOT has a fleet of 5 UAS platforms to complete a variety of specialized tasks
- Fall of 2023 established and filled a new UAS Specialist position to focus on processing data as well as flying the UAS platforms for data collection
- Fall of 2023 finalized a published and publicly available UAS implementation plan that will be a road map for the UAS program for the next three years



New Hampshire



UAS TEAM

OPERATIONS

Moving into the future, NHDOT's full-time UAS team will:

- Continue to fly the complex missions
- Perform oversight, coordination, and training of the NHDOT embedded pilots
- Participate in the NHDOT Stakeholder Committee to ensure a safe, efficient, and cost saving program
- Continue participation in the NH UAS Statewide Coordinating Council to ensure continuity throughout the State for the use of UAS technologies

TRAINING

In 2024, the NHDOT will:

- Finalize a UAS training program
- Complete the training of the UAS Specialist
- Train current NHDOT employees to operate the UAS platforms for use in their specialized job functions thus becoming embedded UAS pilots
 - These embedded pilots will allow for increased UAS flights without any additional staffing

ASSETS

The current NHDOT UAS fleet was purchased primarily with grant funding. NHDOT will:

- Pursue grants to purchase 5 additional routine-use UAS platforms
- Establish UAS sign-out program for embedded UAS pilots
- Evaluate UAS-use software to assure most cost-efficient methods

POLICIES

With the guidance from the completed UAS implementation plan, the NHDOT will:

- Finalize UAS Policies
- Finalize UAS Operations Manual
- Review these documents at regular intervals to ensure compliance with Federal, State, and local requirements

OUTREACH & COMMITTEES

Spring 2024: Establish NHDOT UAS Stakeholder Committee to provide input from across bureaus on:

- Recommending policies
- Safety practices
- Department usage

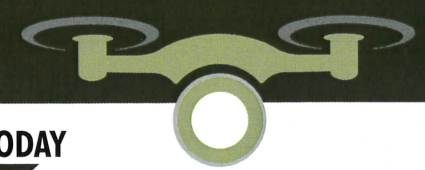
Fall 2024: Establish a NH UAS Statewide Coordination Council comprised of other State Agencies utilizing UAS technologies to provide continuity throughout the state on:

- Policies
- Regulations / Legislation
- Statewide purchases



Scan for more information about NHDOT Aeronautics' UAS research.

For more information, contact New Hampshire Department of Transportation Commissioner William Cass, P.E. or Deputy Commissioner Andre Briere, Colonel, USAF (RET) Tel (603) 271-3734 | www.dot.nh.gov



NHDOT UAS PROGRAM IMPLEMENTATION MISSION PLAN

AS OF TODAY

SPRING 2024

2024 CONSTRUCTION SEASON

FALL 2024

CONTINUING IN THE FUTURE

OPERATIONS

Continue Executing Routine and Expert Missions and Providing Deliverables

Expert Execution Missions and Advance Capabilities

Oversight and Coordination for Routine Mission/Embedded Pilots. Increasing the Number of Possible Missions

Aeronautics will continue to fly complex missions and provide oversight and coordination for all routine missions.

TRAINING

Train the New UAS Specialist

Train on 3 Pilot Projects of Various Types and Complexity

Finalize the Process for Dissemination of UAS Data to Highway Design

Recruit and Train Non-Aeronautics as Embedded Pilots

Aeronautics will continue to train non-Aeronautics staff to become embedded pilots as well as provide annual training for all UAS pilots to maintain flight proficiency.

ASSETS

Obtain UAS Pilot/UAS Logging Software

Determine Maintenance Budget

Evaluate Routine Use of UAS Platforms and Possible Funding Sources for UAS Purchases

Evaluate/Purchase Data Processing and/or Collection Software

Purchase 5 Routine Use UAS Platforms for Training and Embedded Pilots

Continual review of Federal regulations as they apply to UAS as well as technology advancements for future UAS replacements.

PROGRAM POLICIES

Develop the UAS Pilot Training Program

Finalize NHDOT UAS Policies

Develop NHDOT UAS Operational Manual

Finalize Maintenance Program

Finalize NHDOT UAS Operational Procedures

Establishment of UAS Statewide Coordination Council

Routine Meetings with UAS Statewide Coordination Council

Biannual review of the UAS policies, current rules, and regulations for possible legislation needs statewide, continue Statewide Coordination Council for uniformity across State Agencies.

OUTREACH

Develop the UAS Stakeholder Committee

Routine Meetings with Stakeholder Committee/Market UAS Services

Continue stakeholder input for the program.

AS OF TODAY

SPRING 2024

2024 CONSTRUCTION SEASON

FALL 2024

CONTINUING IN THE FUTURE

LEADERSHIP SUPPORT

Pursue grant opportunities for additional UAS platforms/sensors.

Capital Budget planning for FY 26-27, need budget line for UAS maintenance and replacement as well as future UAS and sensor purchases.

Current facility space is inadequate for current staffing and storage. UAS program growth will require additional space for training, safe storage of lithium batteries as well as maintenance facilities.

Capital Budget planning for FY 28-29, for additional space needs.

NHDOT's UAS program Policies and Operation Manuals have been finalized; establish a UAS Statewide Coordination Council to work with sister agencies on UAS program standardization and statewide UAS procurement.

Due to additional mission capability and data collection with embedded pilots, data storage will need to be increased with servers or cloud storage.

Continued support from NHDOT leadership to move forward with investments for an advancing UAS program for NHDOT as well as continuing work with UAS State-wide Coordination Council.