



Part 139 Updates

Michelle Moshner

Airport Certification Safety Inspector



**Federal Aviation
Administration**

Agenda

- ACSI Staffing Update
- Maintenance of Visual Aids
- Grounding Rods
- Water Rescue Plans
- 2024 CertAlerts
- SMS
- Reminders

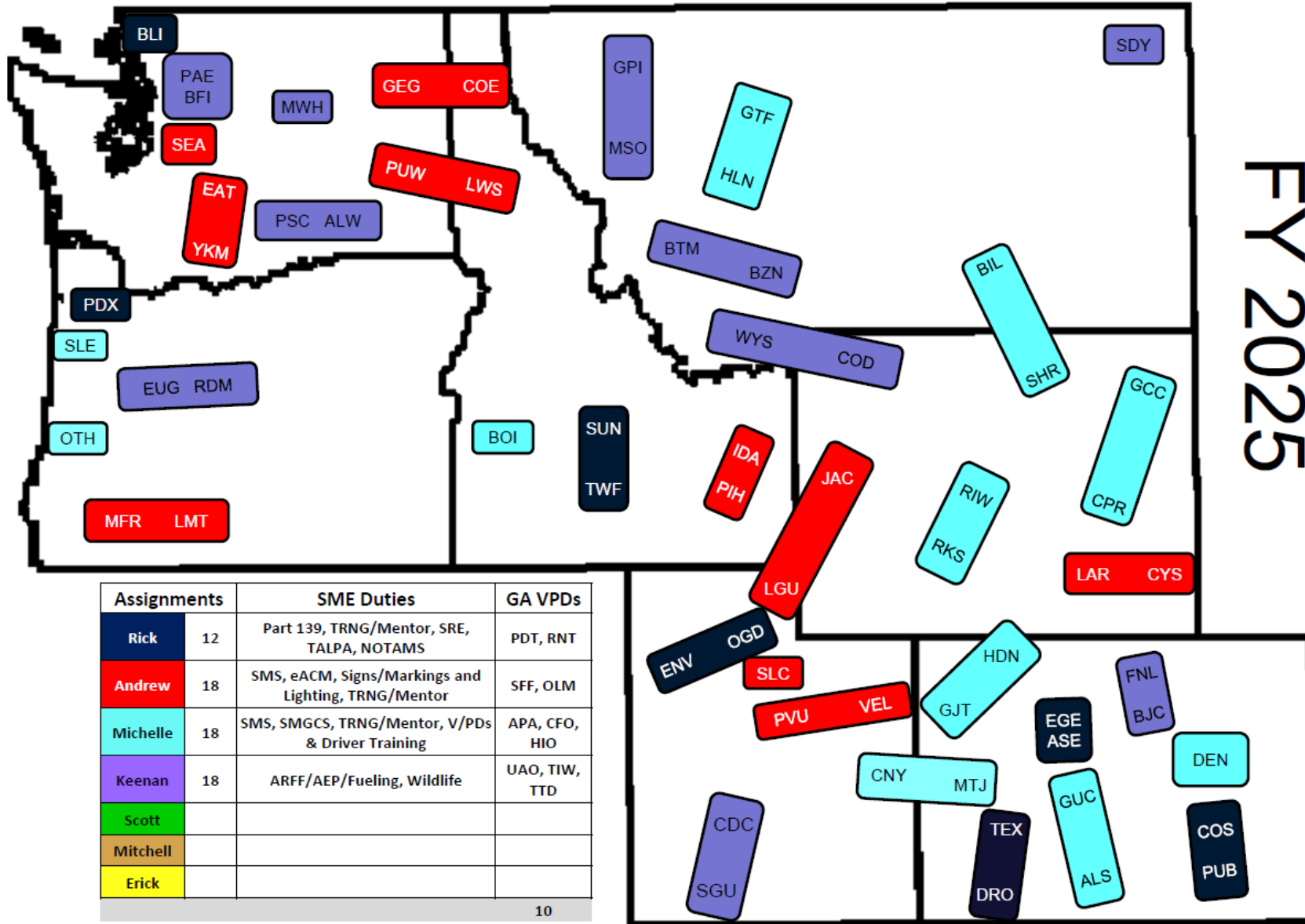


ACSI Staffing Update

- Currently 4 qualified ACSIs
 - Rick (Lead) - rick.schoder@faa.gov
 - Andrew – andrew.edstrom@faa.gov
 - Michelle – michelle.l.moshner@faa.gov
 - Keenan – keenan.j.cummings@faa.gov
- In Training
 - Scott – david.s.harris01@faa.gov
 - Mitchell – mitchell.t.gore@faa.gov
 - Erick (Starts next week)
- One more in-process



FY 2025

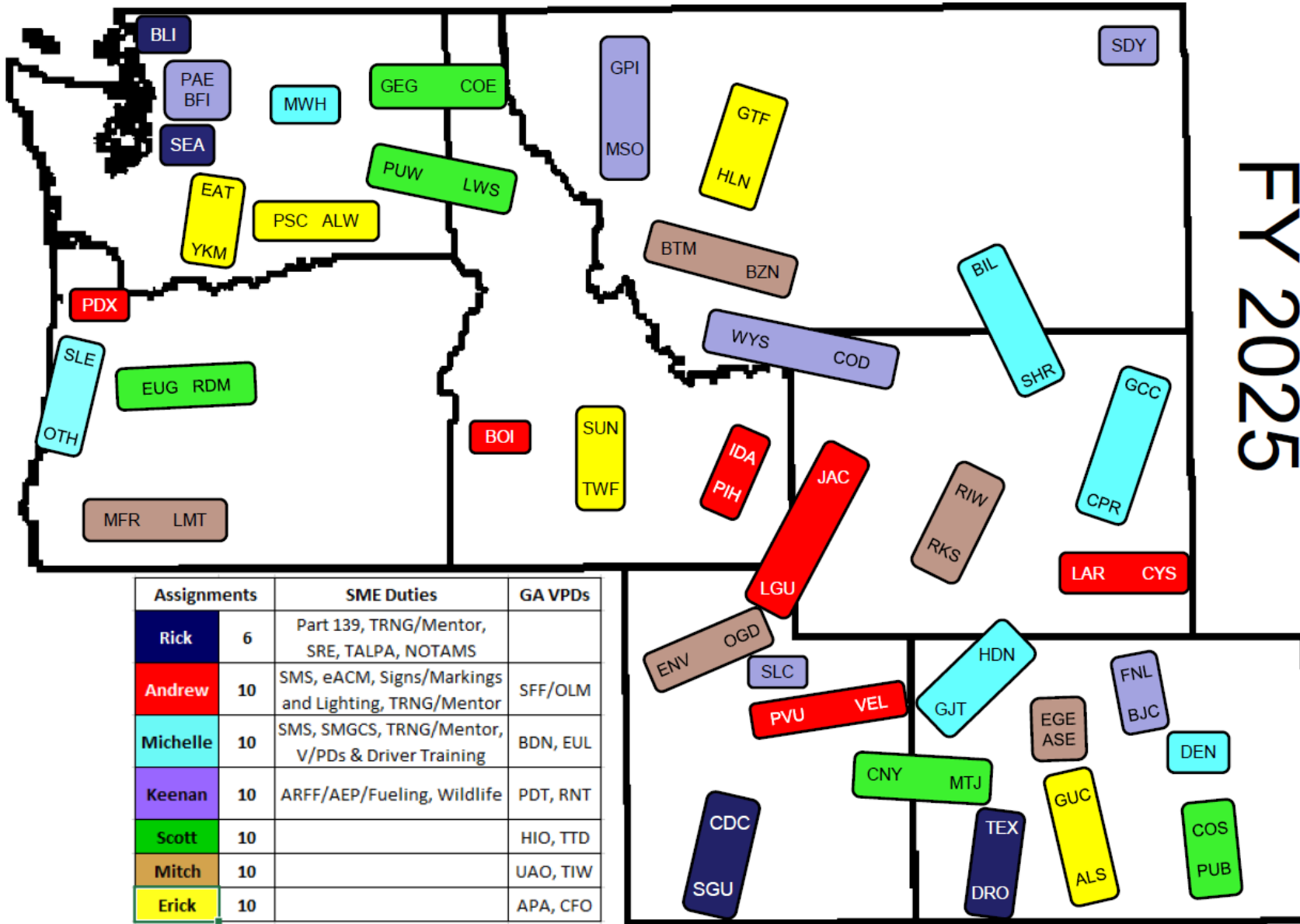


Assignments	SME Duties	GA VPDs	
Rick	12	Part 139, TRNG/Mentor, SRE, TALPA, NOTAMS	PDT, RNT
Andrew	18	SMS, eACM, Signs/Markings and Lighting, TRNG/Mentor	SFF, OLM
Michelle	18	SMS, SMGCS, TRNG/Mentor, V/VPDs & Driver Training	APA, CFO, HIO
Keenan	18	ARFF/AEP/Fueling, Wildlife	UAO, TIW, TTD
Scott			
Mitchell			
Erick			
			10

Effective Oct. 1, 2024



FY 2025



Effective May. 1, 2025



ACSI Staffing Update

- Up to 8 ACSIs
 - 8-10 airports each (Risk fewer and will join others at certain airports)
 - More time for each airport
 - Consistency between inspectors
 - Training together
 - Quarterly meetings/training/hot topics
 - More surveillance inspections
 - Winter Ops
 - Full-Scale Exercises
 - Airshows
 - Construction
 - LRSAT Meetings
 - VPDs
 - Investigate incidences and complaints



ACSI Staffing Update

- Periodic Inspections
 - 9-12 Months
 - Month/Week Prior
 - During Inspection
 - Week After
 - Follow-ups



Maintenance of Visual Aids

- Continue to improve documentation
- Paper/notebooks or electronic
- Document, same as Part 139 discrepancies:
 - Dates
 - Names of personnel performing PM
 - Corrective actions

(LOC ID) Monthly Airport Visual Aid Inspections

Inspector's Name: _____ Date: _____

General Item # (GI #)	Specific Item Letter (SIL)	Meets Standards (Y - N) circle	Describe all discrepancies with associated - (GI- #) & (SIL)
1 Airport Lighting Vaults	A. Inspect safety boards, safety equipment, and fire <u>extinguishers</u> B. Check Insulation resistance of all field circuits (weekly inspections may be necessary for older circuits) C. Operate power transfer <u>switches</u> D. Check radio control of lighting equipment	Y - N	
2 Constant Current Regulators	A. Input voltage _____ and <u>current</u> _____ B. Check output current on each brightness step Low: _____ Medium: _____ High: _____	Y - N	
3 Runway & Taxiway Elevated Edge Lights	A. Perform photometric testing (HIRL) and check light alignment and <u>orientation</u> B. Re-align lights as needed	Y - N	
4 Wind Cones	A. Check for freedom of movement of wind cone <u>frame</u> B. Check condition of wind cone fabric	Y - N	
5 PAPI	A. Check operation of controls B. Check for damage by service vehicles or <u>aircraft</u> C. Clean lamps and filters D. Check mechanical parts for <u>damage</u> E. Check lighting <u>arrestors</u> F. Check for water <u>damage</u> or insect <u>infestation</u> G. Check for presence of <u>rodents</u> H. Record output current and input voltage of adaptor (if used): Output current: _____ Input voltage: _____ I. Check alignment and aiming of light boxes: Box 1: _____ Box 2: _____ Box 3: _____ Box 4: _____ J. Check leveling and operation of tilt switch	Y - N	
6 AWOS	A. Refer to AWI inspection	Y - N	
7 Obstruction Lights	A. Check flash rate of <u>L-564</u> obstruction <u>lights</u> B. Check operation of photocell	Y - N	

YOUR AIRPORT NAME HERE



Maintenance of Visual Aids

- AC 150-5340-26 checklists vs. manufacturer recommendations
 - Default to more prescriptive
 - Grant Assurances
- Common airport owned equipment:
 - Airport lighting vaults
 - CCRs
 - Elevated lights
 - In-pavement lights
 - Illuminated signs
 - Rotating beacons
 - Lighted wind cones
 - PAPI/VASI
 - REIL/ODALS
 - MALS-MALSR/MALSF



Grounding Rods

- FY 2025 emphasis item
- CertAlert should come out after the first of the year
- Must be at or below grade
 - Safety Area Standards
- 150/5340-30J, E.1.4, #3: Tops of ground rods must be 6 inches (152 mm) **below grade**.



Grounding Rods

- Installation specifications for grounding rod are specified in FAA Advisory Circular 150/5340-30J, Appendix E, Section E.1.4.
- 150/5300-13B does not provide for an allowance for grounding rods to be located above ground in a safety area as they are not fixed-by-function.
- Table 6-1, Fixed-by-Function Designations provides guidance referring to associated equipment for Taxiway lights and Signs not being fixed-by-function.

Water Rescue Plans

- Airport Certification Safety Inspectors (ACSIIs) must verify the requirement for, presence of, and sufficiency of an airport water rescue plan as required in 14 CFR section 139.325(f) for applicable airports.
- Water Rescue Plans must include all applicable elements identified in the current versions of Advisory Circulars 150/5210-13 and 150/5200-31.



Water Rescue Plans

- A water rescue plan is required when these three conditions are met for an air carrier runway:
 - Significant body of water
 - In departure corridor
 - Within 2 NMs
- If a significant body of water is within 2 NMs of the departure end (but not in the departure corridor), it must be assessed by the ACSI (and subsequently by the airport) to determine if it is in a potential flight path of an aircraft during an emergency and if so, a water rescue plan is warranted

Water Rescue Plans

- Extensive discussions on what is “Significant Bodies of Water”
- A body of water or marshland is significant if the area exceeds one-quarter square mile and cannot be traversed by conventional land rescue vehicles.
- Statute vs. Nautical makes a difference



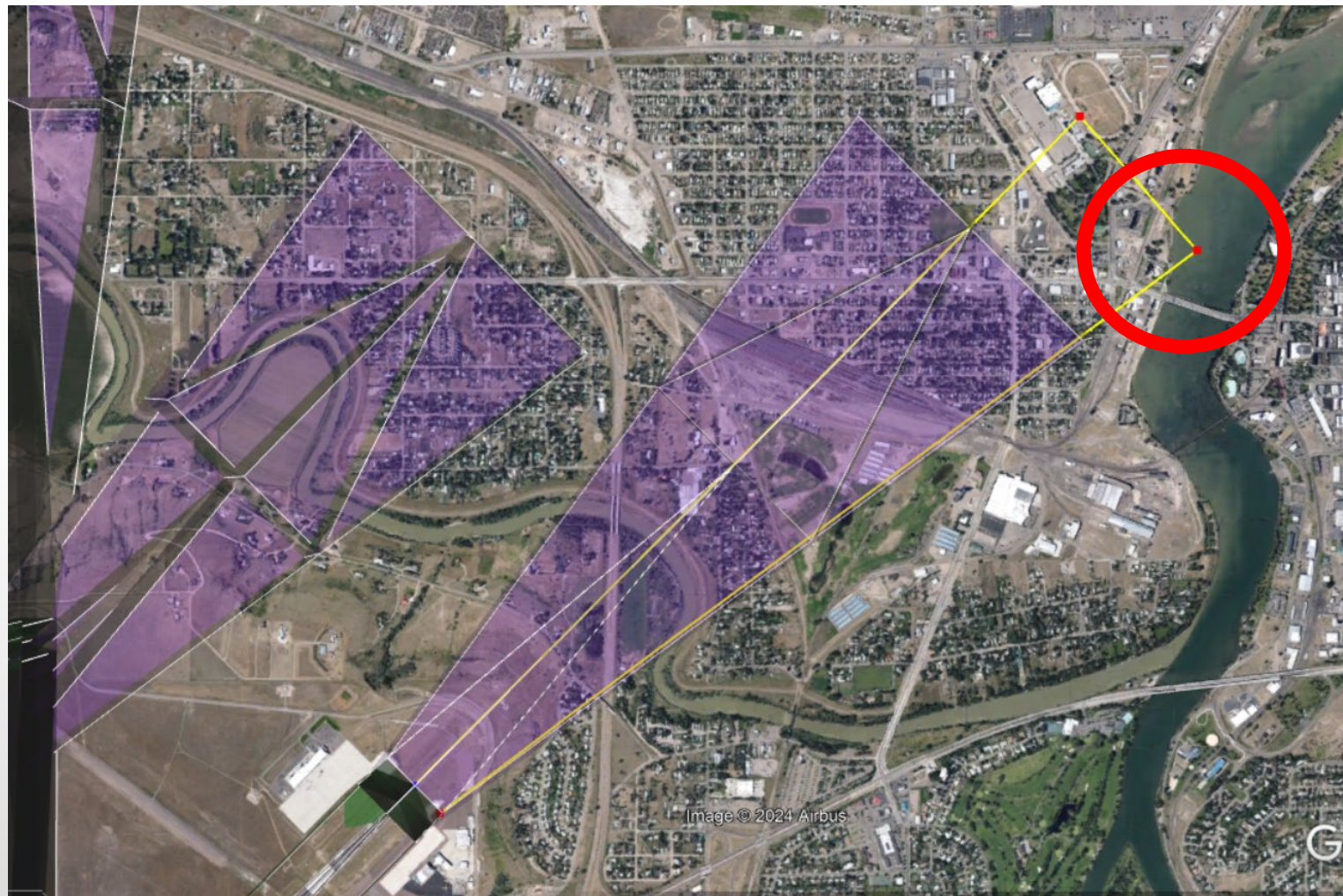
Water Rescue Plans

- Reviewed ACMs and Google Earth for “Significant Bodies of Water”
- Montana
 - GTF due to Missouri River if using NM
- Idaho
 - LWS (has plan in ACM)
 - IDA (needs one)



Water Rescue Plans

Significant body of water
In departure corridor
Within 2 NMs



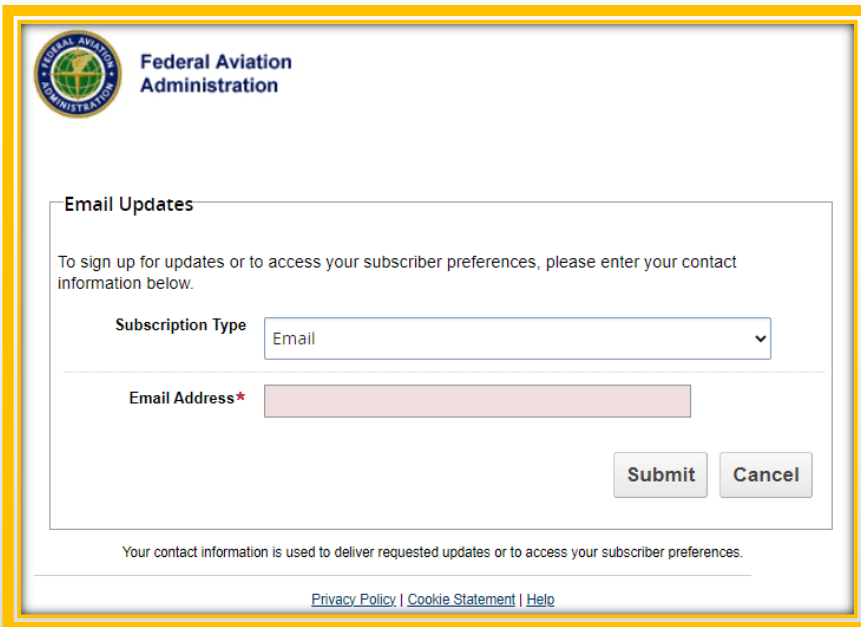
CertAlerts

- CertAlerts give the [FAA Airports Safety and Operations Division](#) a quick way of providing additional guidance on [Part 139 Airport Certification](#) and related issues to FAA inspectors and staff.



CertAlerts

- <https://public.govdelivery.com/accounts/USAFAA/subscriber/new?preferences=true#tab1>



The screenshot shows the top portion of a web form for the Federal Aviation Administration. It includes the FAA logo and the text "Federal Aviation Administration". Below this is a section titled "Email Updates" with a sub-header "Email Updates". The text reads: "To sign up for updates or to access your subscriber preferences, please enter your contact information below." There is a "Subscription Type" dropdown menu with "Email" selected. Below that is an "Email Address*" input field. At the bottom of the form are "Submit" and "Cancel" buttons. A footer note states: "Your contact information is used to deliver requested updates or to access your subscriber preferences." and there are links for "Privacy Policy", "Cookie Statement", and "Help".



The screenshot shows a list of preferences for the subscriber. The "Airports" category is expanded, indicated by a minus sign in a square. The list includes the following items with their respective checkbox states:

- Airports
- Acquiring Land for Airports and Relocation Assistance
- Aircraft Rescue and Firefighting
- Airport Activity Survey
- Airport Data (5010)
- Airport Improvement Program Grant/Apportionment Data
- Airports Division News (Southern Region)
- Airports News & Information
- Alaskan Region Airport Improvement Program
- All-Cargo Reporting
- CertAlerts

2024 CertAlerts

- 24-09 Airport Emergency Plan, Sabotage, Hijack Incidents, and Other Unlawful Interference with Operations and Aircraft Rescue and Firefighting: Operational Requirements
- 24-08 Pavement Classification Rating (PCR) Reporting
- 24-07 Fluorine Free Foam (F3) Training Video
- 24-06 Video Release: Airport Operators: Decreasing Vehicle Pedestrian Deviations (V/PDs)

AEP Review Requirements

CertAlert 24-09

- The purpose of this CertAlert is to remind certificated airport operators of their airport emergency requirements identified in 14 CFR:
 - Section 139.319 – Aircraft Rescue Firefighting Operational Requirements
 - Section 139.325(b)(1) – Airport Emergency Plan – Response to Incidents / Accidents
 - Section 139.325(b)(7) – Airport Emergency Plan – Response to Sabotage / Hijack / Unlawful Interference with Operations
 - Section 139.325(b)(9) – Airport Emergency Plan – Response to Water Rescue
 - Section 139.325(i) – Airport Emergency Plan – Consistent Instructions with Airport Security Program
- **The FAA requests airport operators to review their Airport Emergency Plan (AEP) with all appropriate responding personnel.** During the review, certificate holders should also work with their local TSA representatives regarding any emerging security threats.

Converting PCN to PCR

CertAlert 24-08

- This CertAlert reminds airports that all airport sponsors are required to assign gross weight and PCR data to 14 Code of Federal Regulations (CFR) Part 139 air carrier runways by September 30, 2024.

- **Deadline extended!**

In an effort to ensure compliance with ICAO standards, the FAA is notifying and engaging airport sponsors of the updated pavement strength reporting method and ICAO's applicability date of **November 28, 2024**.

- ACSI and/or ADO can assist in entering data in ADIP
- More info from Cindy later today



F3 Transition Planning

CertAlert 24-07

- This CertAlert announces the availability of a new Fluorine Free Foam (F3) training video for ARFF departments transitioning to F3.
- The video can be found on YouTube and the FAA F3 transition page:
https://youtu.be/K_7HvE8JIH8
https://www.faa.gov/airports/airport_safety/aircraft_rescue_fire_fighting/f3_transition
- https://www.faa.gov/sites/faa.gov/files/FAA_Aircraft_F3_Transition_Plan_2023.pdf

AFFF & F3 Availability

- AFFF
 - Limited availability
 - If you need to use it, may not be able to replace
 - Part 139.317(i): **AFFF quantity requirements.** In addition to the quantity of water required, each vehicle required to carry AFFF must carry AFFF in an appropriate amount to mix with twice the water required to be carried by the vehicle.
- F3 <https://qpldocs.dla.mil/search/parts.aspx?qpl=4513¶m=QPL-32725&type=256>
 - NATIONAL FOAM (AVIOF3 GREEN MIL 3%)
 - BIO EX INC (ECOPOL A3+ MIL SPEC)
 - PERIMETER SOLUTIONS LP (SOLBERG 3% MIL-SPEC SFFF)

Rinsing ARFF Vehicles

CertAlert 24-05

- This CertAlert provides information on rinsing ARFF vehicles transitioning from AFFF to F3.



2024 CertAlerts

- 24-05 Department of Defense's (DoD's) Memorandum on Rinsing Aircraft Rescue Firefighting (ARFF) Vehicles Transitioning from Aqueous Film Forming Foam (AFFF) to Fluorine-Free Foam (F3)

Note: This CertAlert cancels CertAlert 24-04

- ~~• 24-04 Information on Best Practices for Cleaning Aircraft Rescue Firefighting (ARFF) Vehicles Transitioning from Aqueous Film Forming Foam (AFFF) to Fluorine-Free Foam (F3) - Cancelled by 24-05~~

V/PDs

CertAlert 24-06

- This CertAlert announces the release of the Airport Operators: Decreasing Vehicle Pedestrian Deviations (V/PDs) video. This video is intended to raise airport operators' awareness of potential increases in vehicle pedestrian deviations (V/PDs) and recommend ways of mitigating V/PDs.
- Part 139.329(e)
 - Train to include consequences of non-compliance
- What is in your ACM?
 - Follow your procedures
 - Airport is responsible to investigate and report
 - If ACSI must investigate, probably going to result in a Warning Letter or worse

V/PDs

- Focus Area FY2025, due to increasing events
- FAA Order JO 7110.65AA - Air Traffic Control 3-7-2
A clearance is required for vehicles to operate on any active, inactive, or closed runway except for vehicles operating on closed runways in accordance with a Letter of Agreement (LOA).
- Training AOA and AMA, keep it up to date
- From the Flight Deck videos & Wings training

2024 CertAlerts

- 24-03 Airport Foreign Object Debris (FOD) Management
- 24-02 Autonomous Ground Vehicle Systems (AGVS) Technology on Airports
- 24-01 Part 139 Requirements for Issuing a Notice to Air Missions (NOTAM) When the Airport Operator Has No Operative Airport Rescue Fire Fighting (ARFF) Equipment Available on the Airport



FOD Management

- CertAlert 24-03
 - The purpose of this CertAlert is to re-emphasize to airport operators the importance of having an effective FOD management program. It also reinforces CertAlert No. 22-03, Self-Inspections and Foreign Object Debris (FOD), and highlights the updates to AC 150/5210-24, Airport Foreign Object Debris (FOD) Management.



Autonomous Vehicle Usage

- CertAlert 24-02
 - The purpose of this CertAlert is to provide information on the subject of Autonomous Ground Vehicle Systems (AGVS) technology and its use on airports.
 - Currently, the testing, deployment, and operation of AGVS or autonomous vehicle (AV) technology for **airside use have not been authorized** by the FAA at part 139 certificated airports and federally obligated airports.
 - Increasing use in terminals
 - Wheel chairs
 - Floor sweepers/cleaners

ARFF Zero

- CertAlert 24-01
 - This CertAlert provides clarification of requirements under 14 CFR part 139 for Airport Rescue and Fire Fighting (ARFF) during air carrier operations and to notify air carriers that the airport is closed to air carrier operations when there is no operationally capable ARFF available on the airport.
 - If only one ARFF vehicle, airport is closed to air carriers
 - If more than one ARFF vehicle, airport has 48 hours to repair or replace with equipment having at least equal capabilities
 - If unable, restrict air carrier operations
 - Reserve truck listed in ACM? Maintaining it?

SMS

- ACM update required
- Template available
- Page amendment logs
- Waivers
 - Good for two years, then re-apply

(INSERT AIRPORT NAME) AIRPORT CERTIFICATION MANUAL

Section 401 – Airport Safety Management System: General Requirements

Under Part 139.401(a), (Airport Name) is required to comply with SMS requirements as the FAA has determined it (insert one of the following triggering criteria:

- Is classified as a (select one - large, medium, or small) hub based on passenger data extracted from the Air Carrier Activity Information System;
- Has an average of 100,000 or more total annual operations, meaning the sum of all arrivals and departures, over the previous three calendar years; or
- Is classified as a port of entry, designated international airport, landing rights airport, or user fee airport.)

SMS Waivers

If FAA has granted a waiver to SMS requirements, per Part 139.401(d), replace the remainder of this section with the following paragraph:

FAA has granted (Airport Name) a waiver from SMS requirements of Part 139.401(a). This waiver is valid for two (2) years from the date FAA approved the waiver. The waiver approval letter is in Appendix ____.



Reminders: ACM Revisions

- Electronic anytime or paper during inspection
- Page amendment log!
- eACM coming soon?



Reminders: NOTAMS

- Winter Ops reminders
 - FICONS
 - Marking obscured
 - Signs obscured
 - Aprons
- FNS Reports
 - You can pull up NOTAMS
 - We can
 - Do not print for the periodic inspection



Reminders: Training Programs

- 12 CCM (Aug 5, 2022 = Aug 28, 2023 = Aug 13, 2024)
- Digicast
- Site Specific! (not all online)
 - Airfield and equipment
- Curriculum, know the standards
- Scavenger hunts
- Jeopardy
- Make it interesting
- Applicable and appropriate for your airport and your duties
- Sign in sheets and quizzes



Reminders: Fuel Training

- Fueler training records, 24 CCM
- Fire Extinguisher training 150/5230-4, page 3-6
- Note: All fuel servicing supervisors and line personnel must complete fire extinguisher training within 60 days, before or after, their initial supervisory or line service training if it was not provided by one of the certified fuel service training courses identified in the associated Addendum.
- The fueling supervisor may also be trained to teach hands-on fire extinguisher training



- Questions?

