

# Non-Federal Program



Presented to: WRAPm Conference  
By: Kasandra Brown  
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**Federal Aviation  
Administration**

# Kasandra Brown



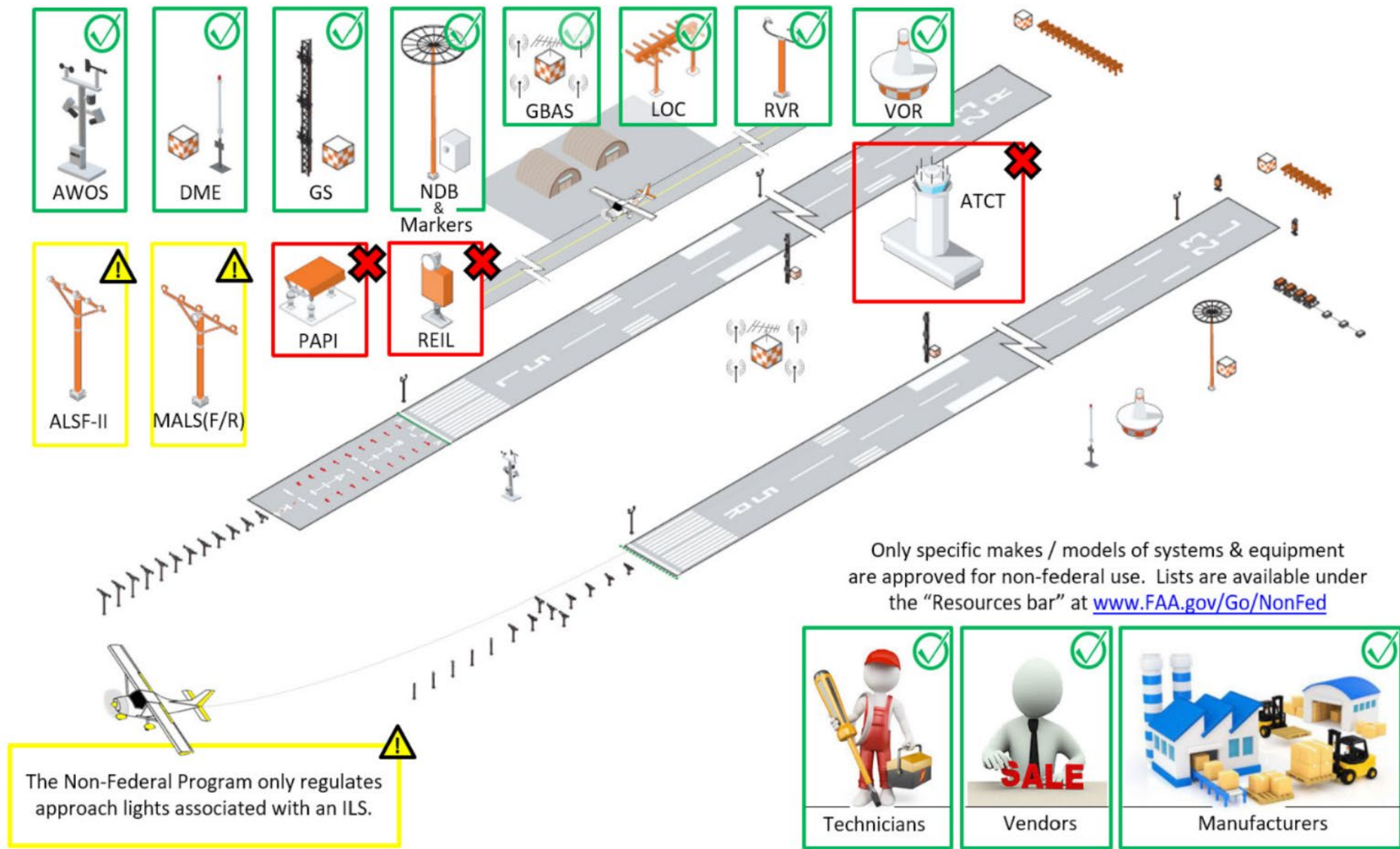
- Western Service Area Non-Federal Program Implementation Manager (WSA Non-fed PIM)
- Operations & Program Analytics Team, AJV-W390
- Under the Planning & Requirements Group (PRG) at the Western Service Center

# What is the Non-Federal Program?

- The Non-Federal Program (NFP) oversees the technical specifications, commissioning, operation, maintenance and decommissioning of certain non-federally owned systems that are used in the National Airspace System (NAS).
- The NFP also oversees the training and verification of non-federally employed technicians who maintain, repair, and verify these NAS systems.
- The FAA's Advanced Systems Design Service (ASDS) Team, AJW-121, is responsible for implementing and managing the NFP under the direction of the Air Traffic Organization (ATO).

# Commonly used terms

- **Non-federal (or Non-fed) System:** NAS equipment that is owned and operated by a non-federal entity.
- **Sponsor:** a non-federal entity that owns and is financially responsible for the maintenance and safe operation of the Non-fed system.
- **Non-fed Technician:** An individual hired by the Sponsor and authorized by the FAA to perform and document maintenance activities on Non-fed systems.
- **Inspector:** usually an active FAA technician with the responsibility of inspecting Non-fed systems on behalf of the NFP.
- **Program Implementation Managers (PIM):** assisting sponsors with managing their non-federal NAS systems.



# What guides the NFP?

- United States Code (USC) Title 49: Transportation
- Code of Federal Regulations (CFR) Title 14, Part 171: Non-Federal Navigation Facilities
- **FAA Order 6700.20C**: Approval, Operation, and Oversight of Non-federal Systems



# System Siting Guidance

- Order 6740.4: NonDirectional Beacon (NDB) Installation Standards Handbook
- Order 6750.16: Siting Criteria for Instrument Landing Systems (ILS)
- Order 6820.10: VOR, VOR/DME and VORTAC Siting Criteria
- Order 6820.14: Siting Criteria for Distance Measuring Equipment (DME)
- Order 6884.1: Siting Criteria for Ground Based Augmentation System (GBAS)
- Order JO 6560.20: Siting Criteria for Automated Weather Observing Systems (AWOS)



# Common Issues

- Uneven terrain
- Buildings/hangers
- Dense or tall vegetation
- Water, snow, or ice buildup
- Wildlife



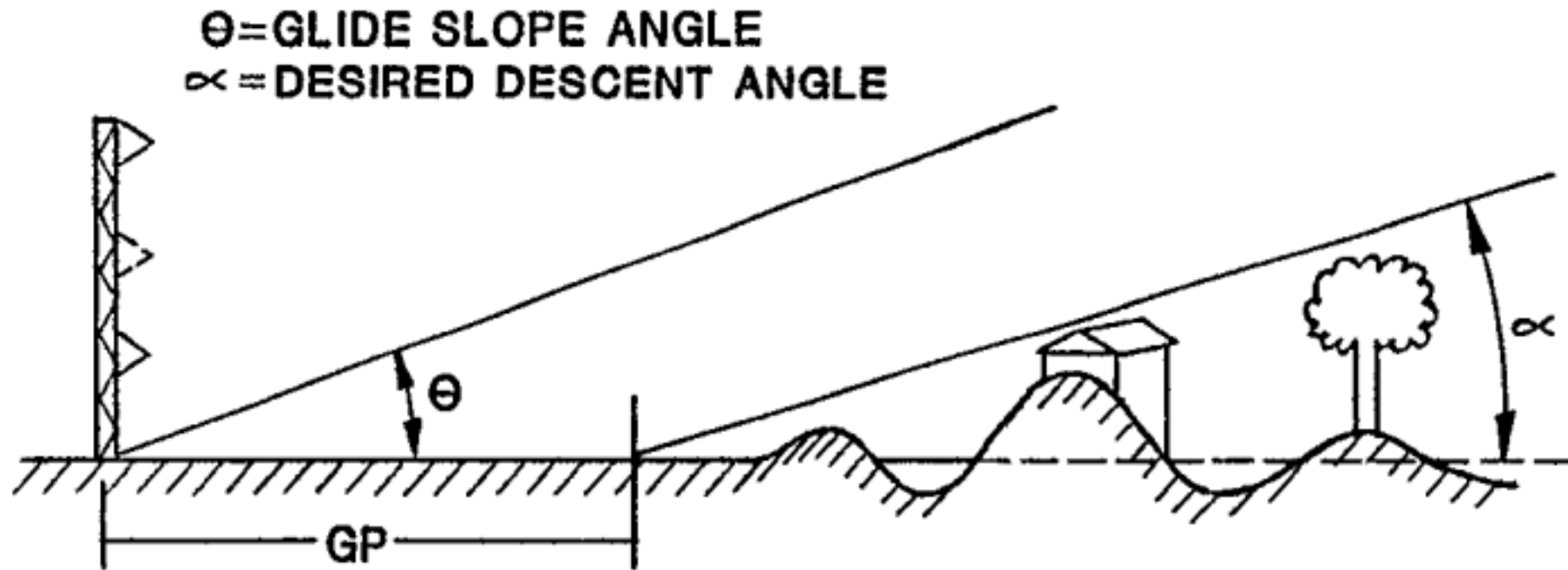


# Vegetation around AWOS



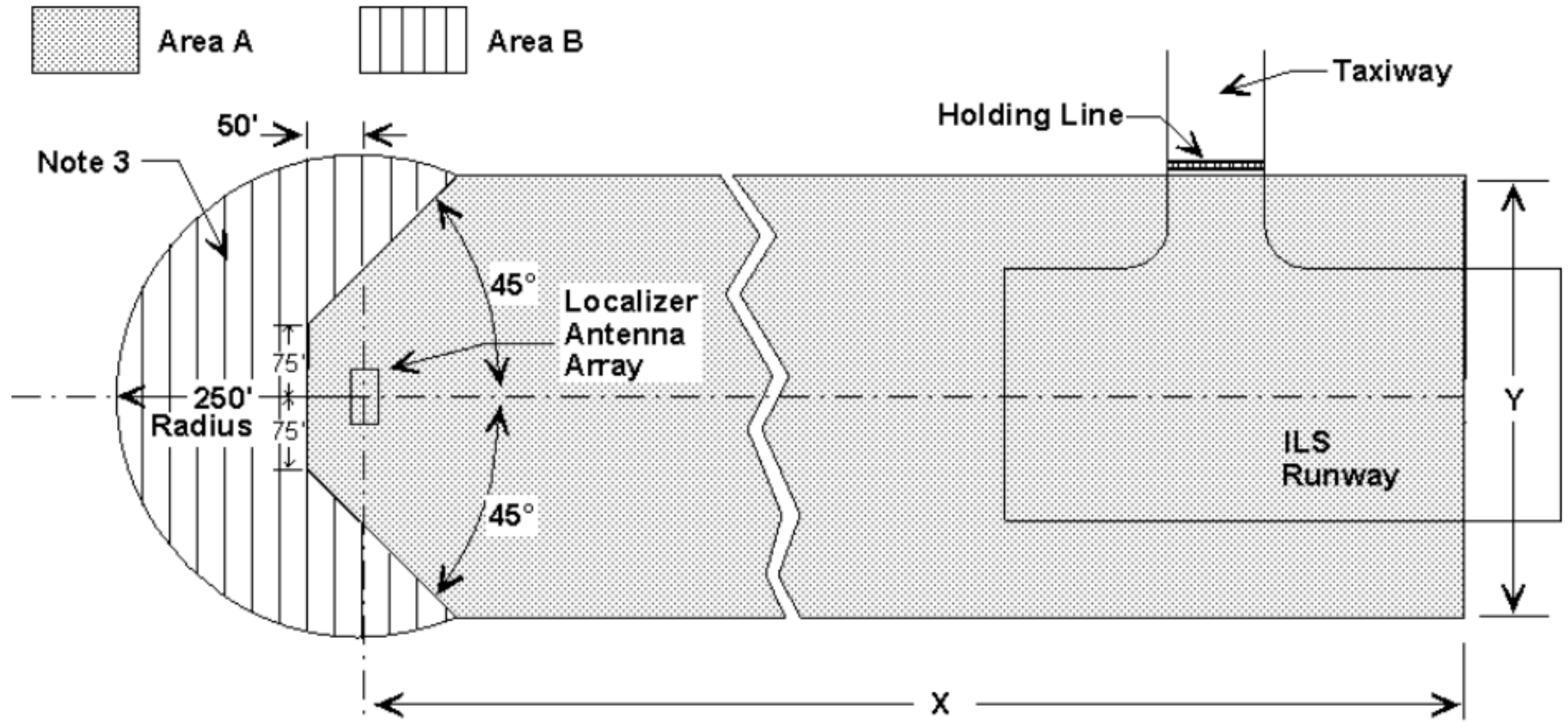
# GS and terrain

Figure 2-16. Pictorial X and X-Y Plots of Image Pattern

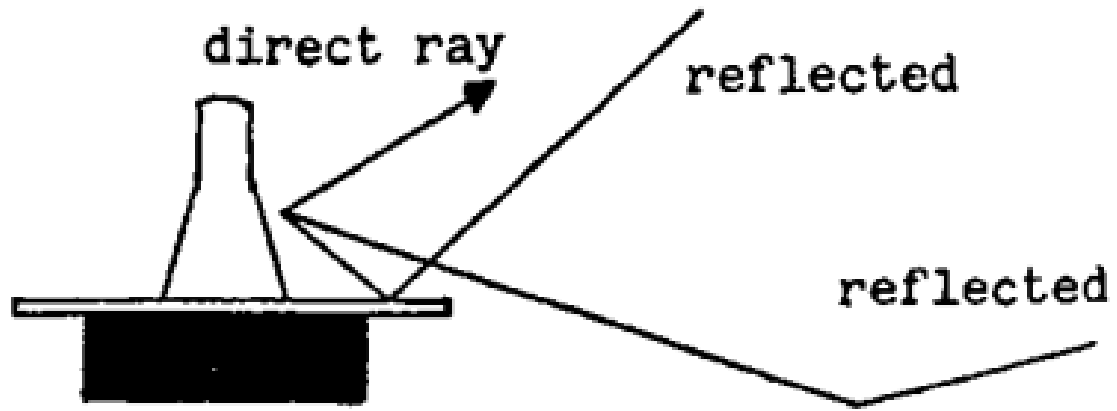




# LOC critical area



# VOR and DME



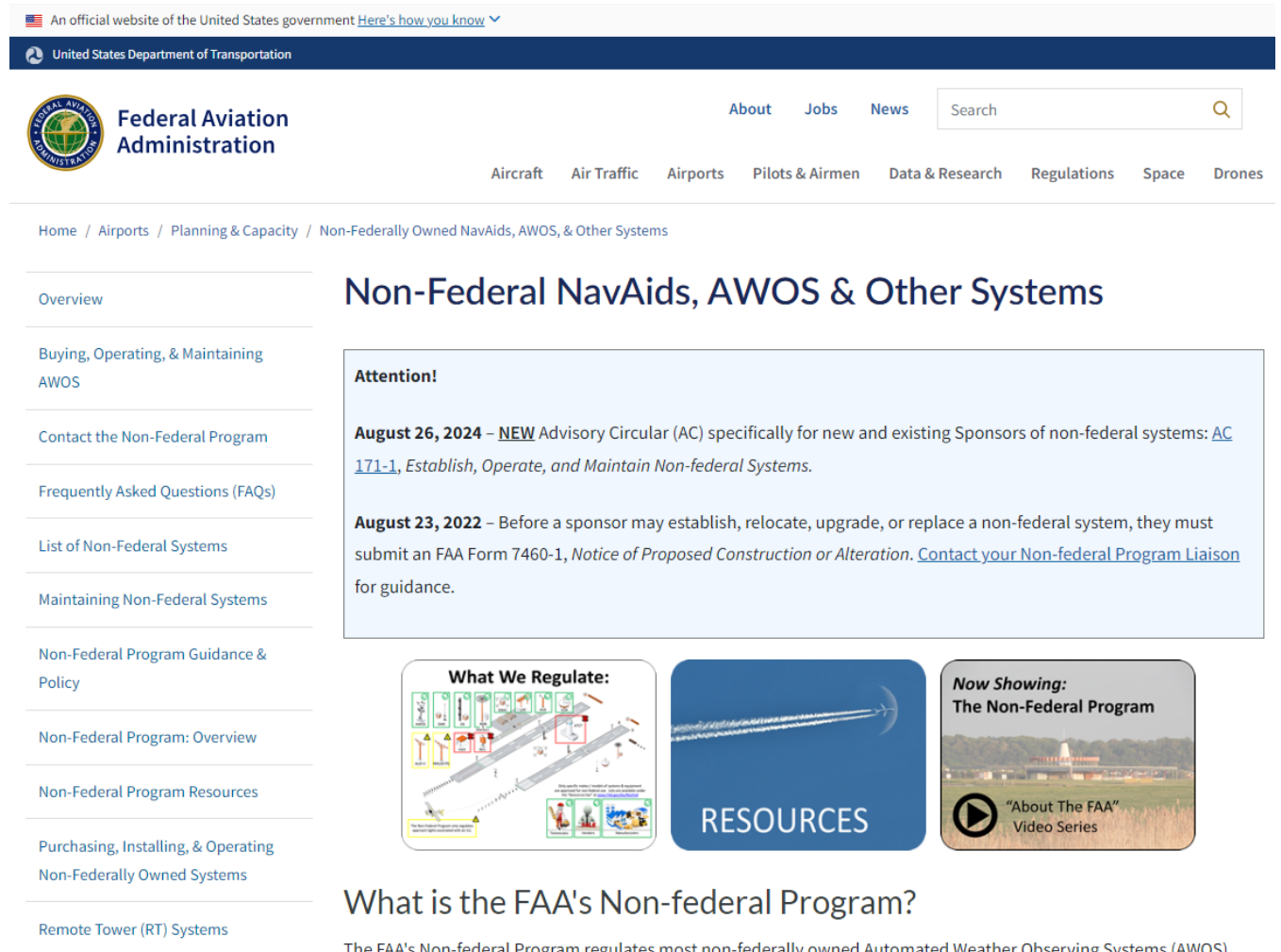
NON-UNIFORM ROUGHNESS

# Snow and ice on a DVOR



# Non-federal Program website

- [www.FAA.gov/Go/NonFed](https://www.FAA.gov/Go/NonFed)
- Provides an overview of the program
- Contact list for the NFP
- Links to guidance and policies
- List of approved vendors
- FAQs



The screenshot shows the FAA's Non-Federal Program website. At the top, it identifies itself as an official U.S. government website. The main header includes the Federal Aviation Administration logo and navigation links for About, Jobs, News, and a search bar. A secondary navigation bar lists various FAA topics: Aircraft, Air Traffic, Airports, Pilots & Airmen, Data & Research, Regulations, Space, and Drones. The breadcrumb trail indicates the current location: Home / Airports / Planning & Capacity / Non-Federally Owned NavAids, AWOS, & Other Systems. A left-hand sidebar contains a table of contents with links to Overview, Buying, Operating, & Maintaining AWOS, Contact the Non-Federal Program, Frequently Asked Questions (FAQs), List of Non-Federal Systems, Maintaining Non-Federal Systems, Non-Federal Program Guidance & Policy, Non-Federal Program: Overview, Non-Federal Program Resources, Purchasing, Installing, & Operating Non-Federally Owned Systems, and Remote Tower (RT) Systems. The main content area is titled "Non-Federal NavAids, AWOS & Other Systems" and features an "Attention!" section with two key updates: a new Advisory Circular (AC) 171-1 from August 26, 2024, and a reminder from August 23, 2022, regarding FAA Form 7460-1. Below this, there are three featured boxes: "What We Regulate" with a diagram of airport systems, "RESOURCES" with a blue background and an airplane icon, and "Now Showing: The Non-Federal Program" which includes a video series titled "About The FAA".

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Overview

Buying, Operating, & Maintaining AWOS

Contact the Non-Federal Program

Frequently Asked Questions (FAQs)

List of Non-Federal Systems

Maintaining Non-Federal Systems

Non-Federal Program Guidance & Policy

Non-Federal Program: Overview

Non-Federal Program Resources

Purchasing, Installing, & Operating Non-Federally Owned Systems

Remote Tower (RT) Systems

## Non-Federal NavAids, AWOS & Other Systems

**Attention!**

**August 26, 2024** – **NEW** Advisory Circular (AC) specifically for new and existing Sponsors of non-federal systems: [AC 171-1, Establish, Operate, and Maintain Non-federal Systems](#).

**August 23, 2022** – Before a sponsor may establish, relocate, upgrade, or replace a non-federal system, they must submit an FAA Form 7460-1, *Notice of Proposed Construction or Alteration*. [Contact your Non-federal Program Liaison](#) for guidance.

**What We Regulate:**

**RESOURCES**

**Now Showing:**  
The Non-Federal Program

**"About The FAA"**  
Video Series

## What is the FAA's Non-federal Program?

The FAA's Non-federal Program regulates most non-federally owned Automated Weather Observing Systems (AWOS),