

# The Role of the Regulator

## Session 5 Presentation 3

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# Role of FAA Runway Safety Program

- Standardization
- Runway Safety Team Support
- Runway Safety Promotion
- Resources



# Signs and Markings

- To Provide Assistance
- Educate pilot and vehicle drivers
- When You See Red – Stop
- If you Don't Understand – Ask
- Use the airport diagram

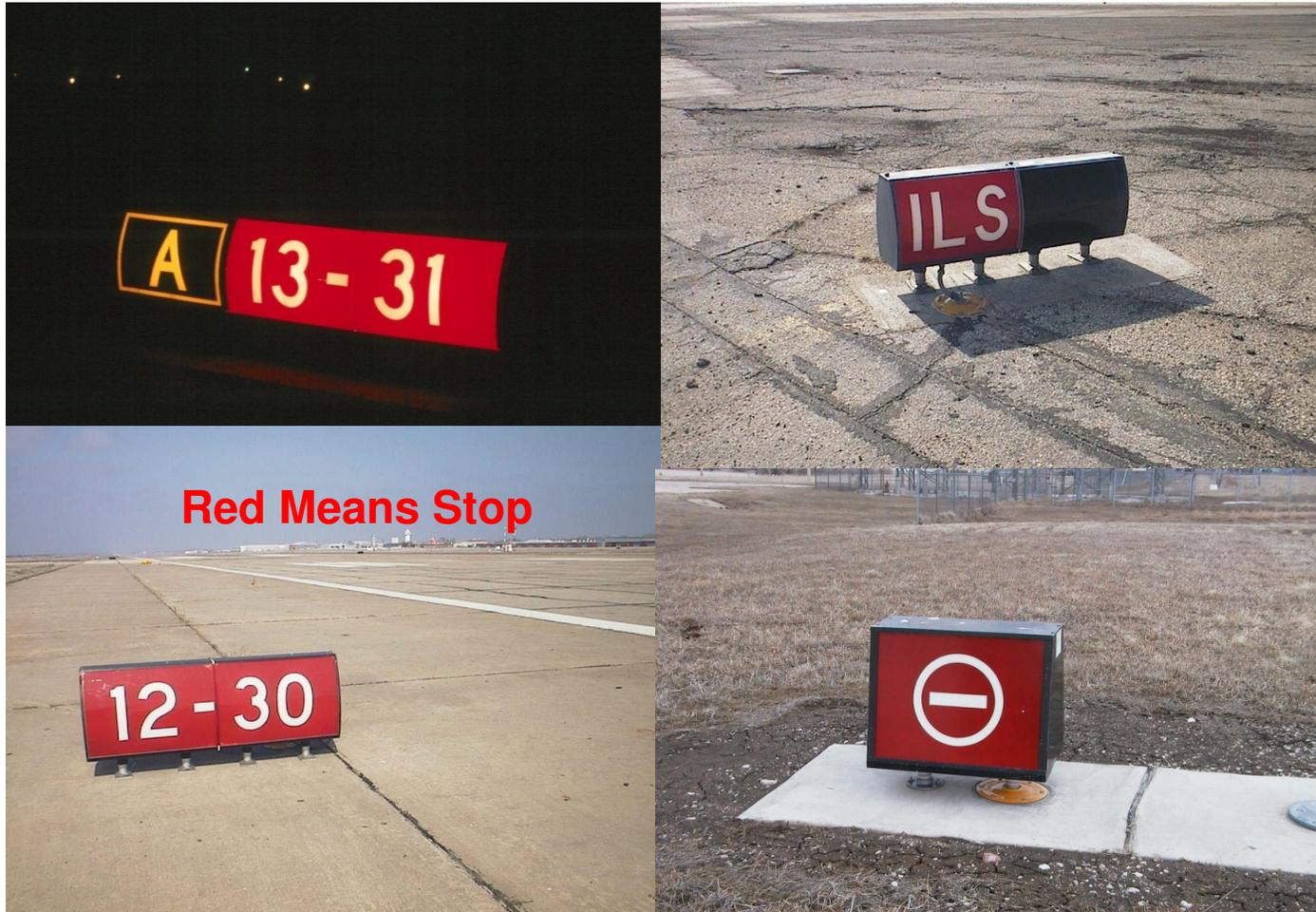


# Sign and Marking Standards

- **Developed and maintained by the FAA**
  - Mandatory for Air Carrier Airports and
  - Recommended for General Aviation Airports when funding is possible
  
- **Advisory Circulars**
  - Standards for Signs – AC 150/5340-18F
  - Standards for Markings – AC 150/5340-1K



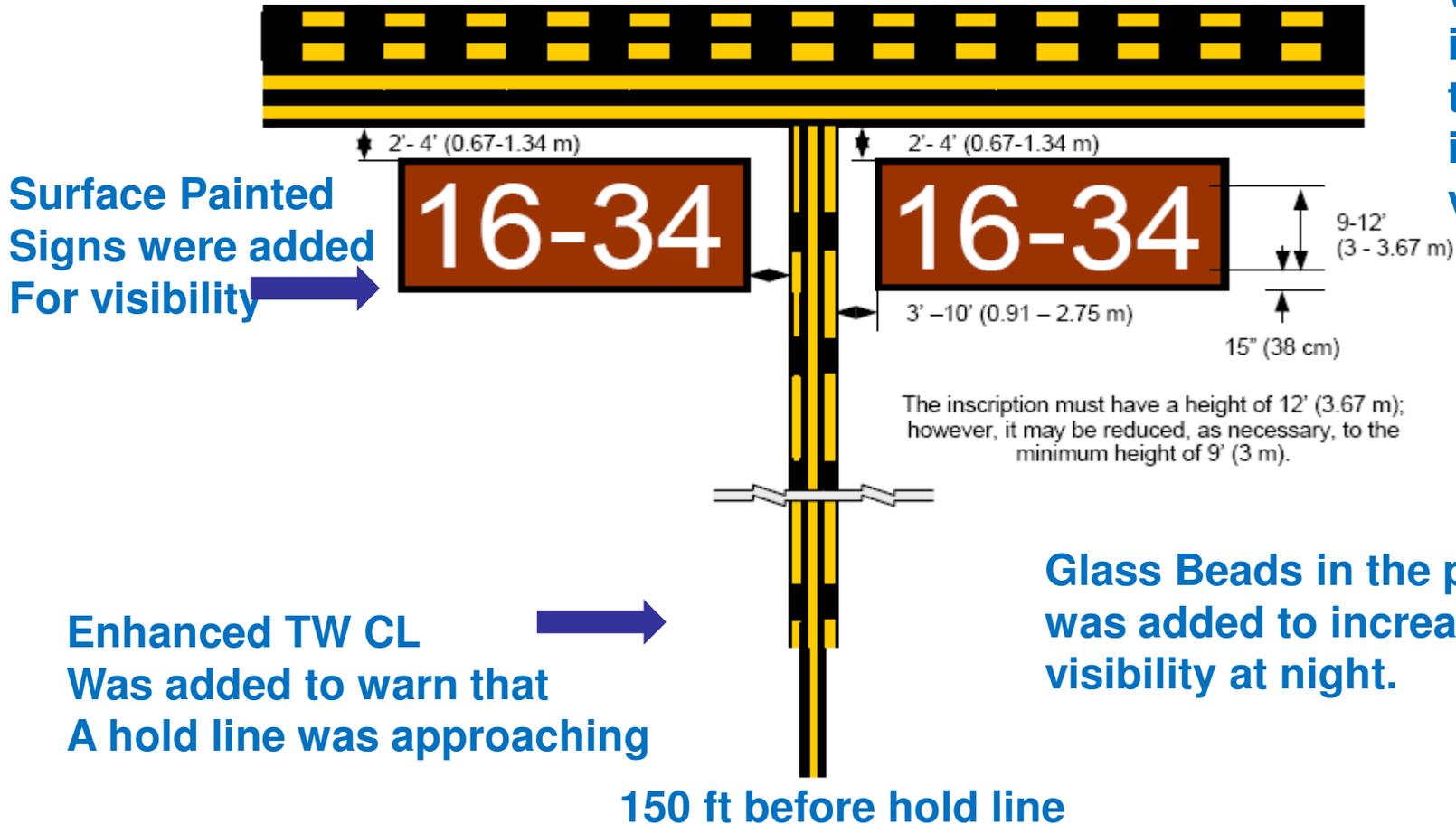
# Basic Types of Airfield Signs



These signs are considered critical for safety and used to identify hold positions and no entry areas.

# Surface Painted Holding Position Signs with the Enhanced Marking

Size of  
Hold line  
was  
increased  
to  
improve  
visibility



# Standardization Regional and Local

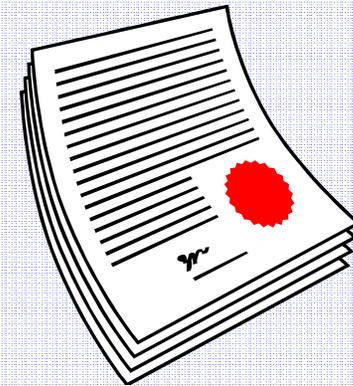


- Conduct Airport Assessments
- Meet with airport officials, air traffic control, flight schools and airport tenants to discuss issues and concerns
- Ensure airport meets agency standards as set for air carrier airports or make recommendations
- Review training and requirements for pilots, air traffic controllers and airport personnel as set by agency standards.
- Develop action plan
- Follow up on action items developed and noted in the action plan



# Standardization

- Ensure Runway Safety Teams (RSTs) know what is expected of them.
  - How often should they meet?
  - What should be discussed?
  - Who should be on the team?
  - What should the team produce?



**Tool Kit  
For  
Local RSATS**



# Standardization

- How do we ensure the RST process stays standardized?
  - Provide training and resources to those responsible for runway safety.
  - Airport Assessment Checklist
  - Audit the process to ensure it is working as you intended.
    - Attend random meetings periodically.
    - Review Action Plans and follow up on action items



# Regional Runway Safety Team Support

Support is provided by the agency  
Team Members are constant

- Airport Certification Safety Inspectors – Regulations for air carrier airports
- Flight Standards FAAS Team Member – Pilot standards and regulations
- Air Traffic Safety Member – Air Traffic Controller and Facility Handbook
- Technical Operations – NAVAIDS and radio communication



# RST Support

- Participate in RST meetings whenever possible.
- Provide educational and statistical data for use during RST meetings
- Intervene, where appropriate, to coordinate within your agency or with other governmental agencies or external stakeholders to resolve issues that affect runway safety.
- Ensure that new RSTs know who to contact for guidance and support.



# Runway Safety Promotion

## Promote Runway Safety at:

- Runway Safety Action Team Meetings
- Flight Schools
- Airport Air Shows
- Certified Flight Instructor Training
- Aviation Organization Trade Shows (AAAE, AOPA, etc)
- Air Traffic Controller Training



# Runway Safety Promotion

## Education and Awareness Provided:

- Presentations
- Meetings
- Use of Turning Point
- Jeopardy
- Customer Feedback



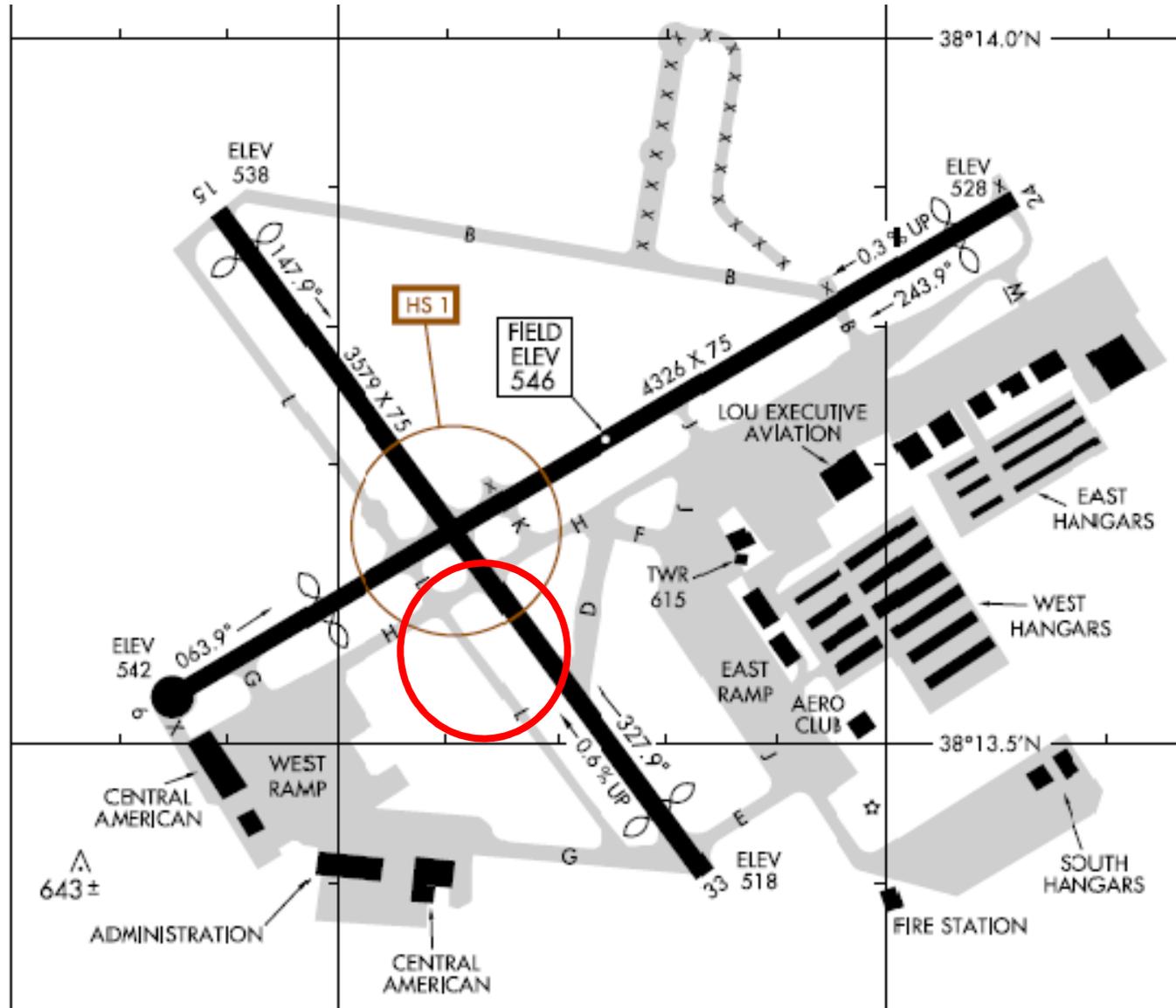
# Safety Is Everyone's Business

## Teach the Basics

- Always Use an Airport Diagram
- Know Your Airport Environment
- Be Alert while on the airport – Look at signs and marking and listen to other transmissions
- Always read back tower instructions – ask for help
- Review Airport NOTAMs especially during construction



# Designate Hot Spots On Airport Diagrams



## Vehicle Drivers' Training Just As Important As Pilot Training



# Runway Safety Promotion

- As the regulator, you should be collecting and analyzing data.
  - This will allow you to share not only risk factors, but also best practices.
  - In addition, the data will allow you to track the effectiveness of mitigations that have been implemented.



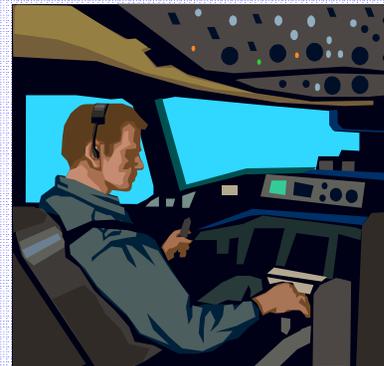
# Runway Safety Promotion

- Encourage the use of non-punitive, voluntary incident reporting programs.
  - Aviation Safety Reporting System (ASRS) – Allows pilots to report incidents.
  - Air Traffic Safety Action Program (ATSAP) – Allows controllers to report incidents or risk in a non-punitive environment.
  - Technical Operations Safety Action Program (T-SAP) – Allows FAA maintenance personnel to report incidents or safety hazards.



# Resources

- Regulators at every level – national, state, local – need to be committed to supporting the effort by providing funding and staffing adequate to provide
  - Data collection and analysis
  - Education
  - Training
  - Awareness
  - Oversight



# Resources

- The best way to ensure runway safety is promoted throughout the region is to convince your users and stakeholders that runway safety is important.
- Work together. Be a partner together with the aviation industry.
- Small groups can provide guidance and data, but we can't always be there.



# Resources

We need to create runway safety advocates throughout the system –

- Pilots
- Controllers
- snow plow operators... ok, maybe not here...
- Technicians
- Vehicle operators
- Bottom line... everyone using the system needs to be aware of the potential for danger, and how to avoid it.



***Runway Safety is  
Everyone's Responsibility***

**Be a part of the SOLUTION!**



THANK YOU

