

Runway Safety Team Case Study / Workshop

Presented to: Regional Runway Safety Seminar

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Runway Safety Team (RST)

- RST process
- Review case study scenarios
- Questions/feedback

Runway Safety Team (RST)

To be effective, a Runway Safety Team (RST) should include personnel from the airport management organization, the airport traffic control tower (ATCT), governmental agencies, and interested users of the airport. All attendees at the RST meeting are considered to be part of the team.

A Runway Safety Team (RST) convenes to discuss surface movement issues and concerns at a particular airport. The team then formulates a Runway Safety Action Plan (RSAP) to address those concerns.

Runway Safety Team (RST)

Each airport with an operational ATCT should develop and maintain a site specific Runway Safety Action Plan (RSAP). These plans should identify strategies and initiatives to reduce the risk of runway incursions.

In addition to addressing problems, each Runway Safety Team (RST) should identify best practices that could be documented and shared with the aviation community. The Runway Safety Team (RST) should convene at least once every 12 months to review and/or update the plan.

Runway Safety Action Team (RSAT)

Plan Preparation. As a minimum, the plan must include the following:

- (1) A list of participants, their affiliation, and a general overview of the team meeting.
- (2) Runway safety concerns, issues, or problems at the airport. These may include existing as well as new issues.
- (3) Best Practices. The team may determine that an operational practice observed at an airport is a best practice that should be shared with other locations. Each RSAP should include a section on best practices, if any, in use at that particular airport.

Runway Safety Action Team (RSAT)

(4) Specific Action Items. Action items should be airport specific and linked to a runway safety concern, issue or problem. Consensus is required for assignment of an action item, in particular from the organization responsible for accomplishing the action. Acceptance of an action item is voluntary. Proposed action items where consensus is not reached may be documented as safety recommendations.

Runway Safety Action Team (RSAT) Process

- Pre-RSAT visits (optional)
 - ATCT, airport management, tenants.
- Daylight and nighttime airfield tour (optional)
 - Review actual or potential problem areas

Leading up to the...

- Runway Safety Team Meeting
 - Commitment on any necessary actions

Runway Safety Action Team (RSAT) Process

General expectations for RSAT meetings...

- Acknowledgement that there is room for improvement
- Recognition of potential for catastrophe
- Acceptance of responsibility
- Partnership among all stakeholders
- Commitment and dedication
- Ownership and aggressive pursuit of solutions
- Action to implement change
- Some topics may require further discussion

Primary Causes of Runway Incursions



- Breakdown in Communications
- Lack of Airport Familiarity
- Loss of Situational Awareness
- Complacency
- *Normalization of Desviación*

Why is this important?

Show Garden City Regional (GCK) training animation.

Runway Safety Action Team (RSAT)

Case Study #1 – Runway Incursion

Case Study #2 – Runway Excursion

Case Study #3 – Airport Changes (seasonal, construction, maintenance)

In each case, what are the issues? What can be done to reduce risk?

Develop new action items.

Runway Safety Action Team (RSAT)

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Runway Safety Action Team (RSAT)

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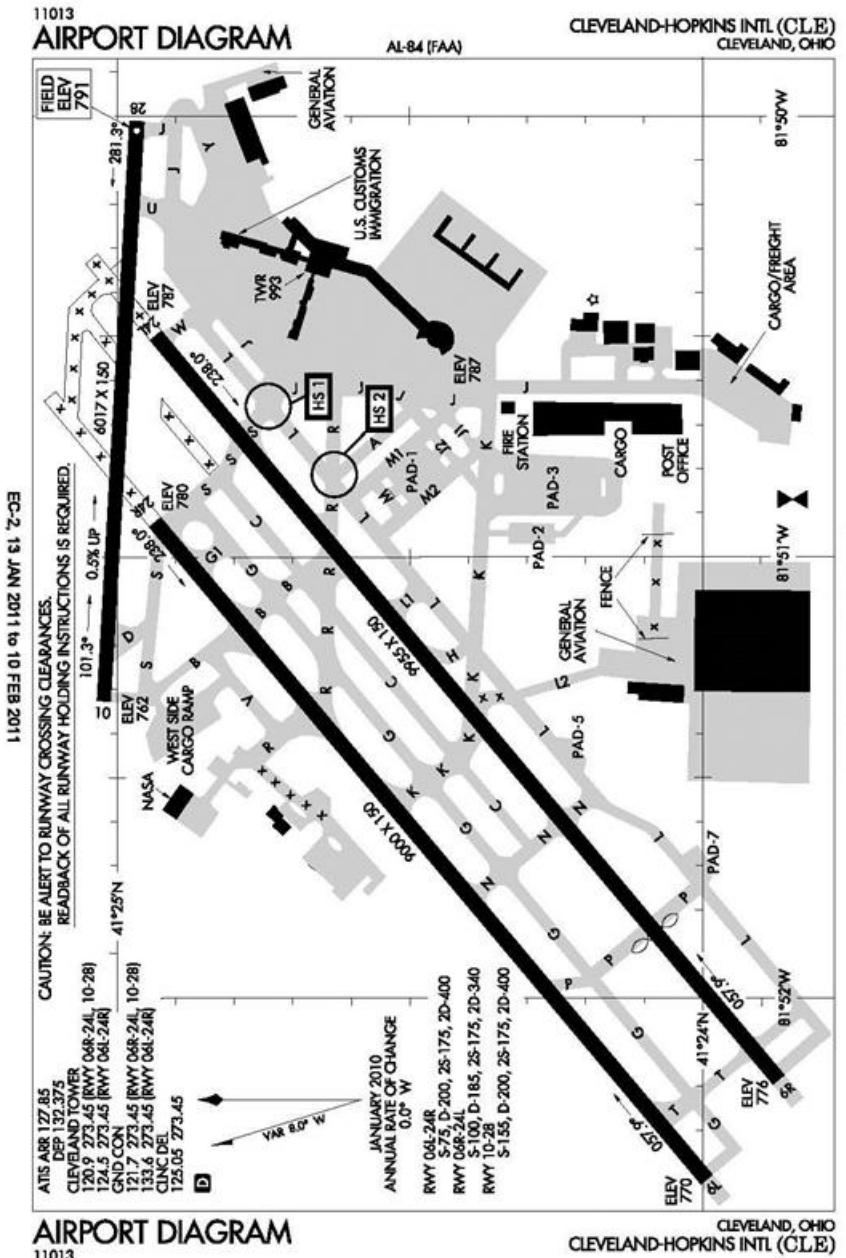


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Runway Safety Action Team (RSAT) - Case #1



Runway Safety Action Team (RSAT) - Case #1



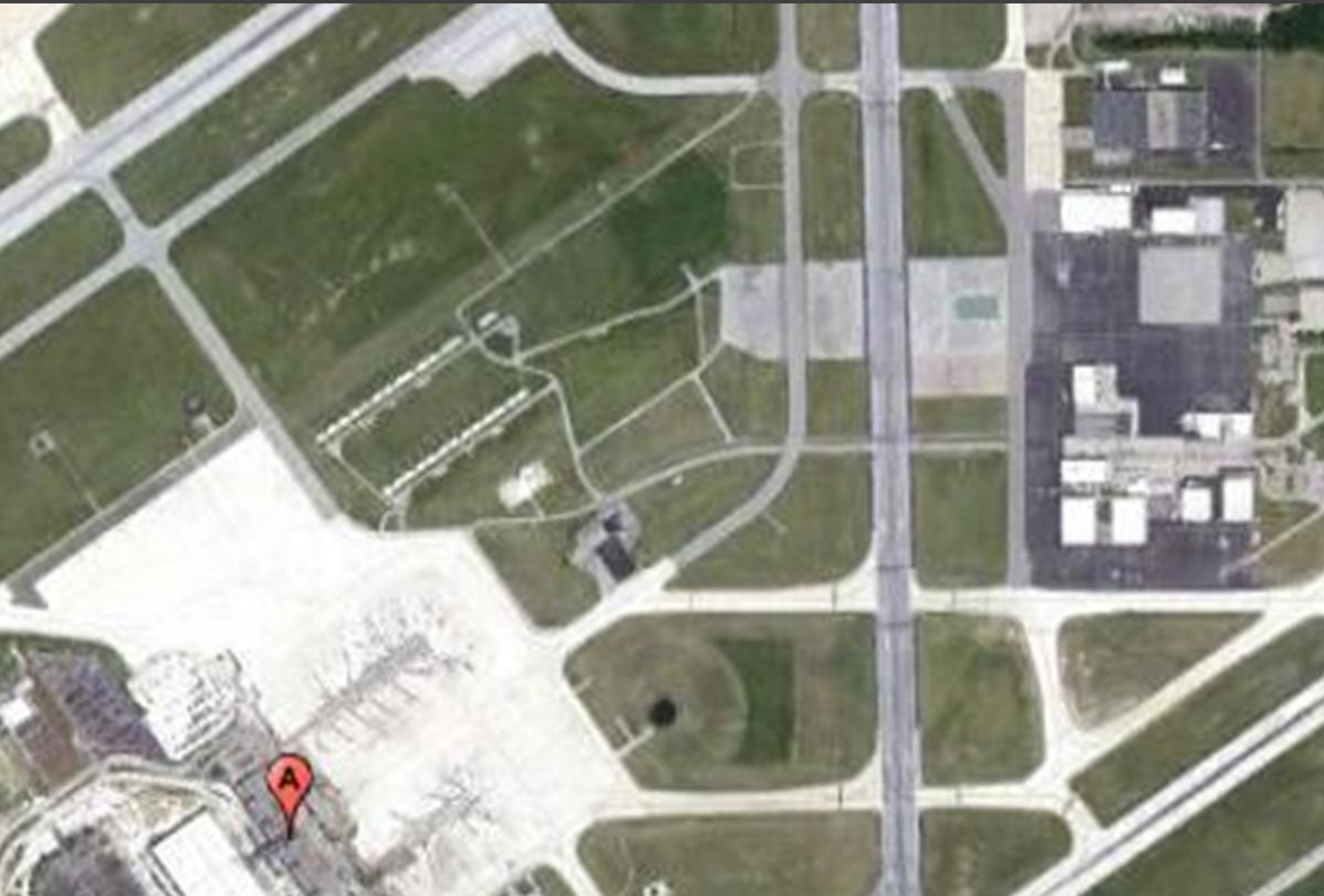
Runway Safety Action Team (RSAT) - Case #1



Runway Safety Action Team (RSAT) - Case #2



Runway Safety Action Team (RSAT) - Case #2



Runway Safety Action Team (RSAT) - Case #3



Runway Safety Action Team (RSAT) - Case #4



Runway Safety Action Team (RSAT) - Case #4



**HOLD SHORT LINE
RWY 25L & RWY 31
350 FEET AHEAD**

Runway Safety Action Team (RSAT) - Case #4



May 6, 2006 through December 21, 2008...
17 pilot deviation incursions



Runway Safety – Everyone's Responsibility