

# Implementation Challenges of the RCAM and New Global Reporting Format (GRF)

Presented to: ICAO SAM Regional Seminar on  
the GRF for Runway Conditions

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**Federal Aviation  
Administration**

# Challenges

- Enough time to meet implementation expectations
- Impact of change on airport operators
- Break with traditional way of assessing conditions
- Understanding use of existing friction measuring tools after implementation
- Instituting new terminology
- Applying RwyCC upgrade/downgrade actions

# Best Practices

- Development of a website for information and a bank of Frequently Asked Questions
- Capability to accept/answer stakeholders on-going questions throughout implementation
- Usable template as a basic framework that can be used to train stakeholders
- Information distribution capability to reach and receive feedback from numerous stakeholders simultaneously
- Data gathering source for GRF analysis after implementation
- Organic Website

<https://www.faa.gov/about/initiatives/talpa/>

# Awareness Campaign

- **Time is critical for a successful implementation**
  - Developed information for operators and stakeholders to use/supplement existing training and guidance documents
  - Conducted outreach nationally via webinars, conferences, industry forums and informational bulletins for airport operators and other stakeholders
  - Recorded narrated presentations on process for utilizing the RCAM for field condition assessment and reporting
  - Sought industry participation to publish articles in trade publications on field condition assessment and reporting
  - Built websites to make information available to industry and stakeholders
  - Held FAA Industry Day ahead of implementation to seek feedback and address stakeholders concerns

# Federal NOTAM System



Test System

New Cancel Replace Copy Edit Delete Error Check Save Change Log Submit

Filters NOTAM Summary Rows: 50 Page: 1 Go Page 1 of 1

Feature	Condition	Number	Start Date UTC	End Date UTC	Status
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Airports  
ORD-Chicago O'Hare I

Keyword-All 45, 0

- Aerodrome 2, 0
- Apron
- Obstruction
- Runway 17, 0
- Taxiway 17, 0

Status

- All 47
- Active 45
- Activation In Progress
- Cancelled
- Cancellation In Progress
- Draft
- Error Activating
- Error Cancelling
- Expired 2
- Activation Faxed
- Cancellation Faxed
- In Queue

NOTAM Editor - Scenario: Surface Condition

Properties Prior Permission Comments

Hide TALPA Field

Contaminants\*

TOUCHDOWN					
% Range	26% thru 50%	Depth	Contaminant	Wet	
↓ Copy to MP		+ Add Contaminant			
Range (TD)	Depth (TD)	Contaminant (TD)			
26% thru 50%		Wet			
MIDPOINT					
% Range	26% thru 50%	Depth	Contaminant	Wet	
↓ Copy to RO		+ Add Contaminant			
Range (MD)	Depth (MD)	Contaminant (MD)			
26% thru 50%		Wet			
ROLLOUT					
% Range	26% thru 50%	Depth	1/4 in	Contaminant	Wet
+ Add Contaminant					
Range (RO)	Depth (RO)	Contaminant (RO)			
26% thru 50%	1/4 in	Wet			

Dynamically Calculate RCC Calculate RCC: TD MP RO

Domestic ICAO Plain Text

IORX XX/XXX ORD RWY 04L FICON 50 PRCT WET, 50 PRCT WET, 50 PRCT 1/4IN WET . 1604251625-1604261625

Observation Details (Fields Marked \* are required)

Filters

**Airports**

ORD-Chicago O'Hare I ▾

Keyword-All **45, 0**

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NOTAM Summary

Feature | Condition

NOTAM Editor - Scenario: Surface Condition ▾

Properties | Prior Permission | Comments

▼ Hide TALPA Field

Contaminants\*

**TOUCHDOWN**

% Range: 10% or les ▾ Depth: ▾ Contaminant: Ash ▾

+ Add Contaminant

**MIDPOINT**

% Range: 10% or les ▾ Depth: ▾ Contaminant: Ash ▾

+ Add Contaminant

**ROLLOUT**

% Range: 10% or les ▾ Depth: ▾ Contaminant: Ash ▾

+ Add Contaminant

Dynamically Calculate RCC Calculate RCC: TD MP RO

- ▾ - ▾ - ▾

Observation Details (Fields Marked \* are required)

Observation Time (UTC):\* MM/dd/yyyy hhmm  Current Date and Time

Pilot Reported Braking Action Information

# RCAM Driven NOTAM Examples

## Uniform Coverage example:

ORD RWY 04L FICON 5/5/5 100 PRCT WET . 1904251625



# Comments and Questions?

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**U.S. Federal Aviation Administration**  
**Office of Airport Safety & Standards**

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