

GRF Training Requirements and Implementation Resources

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

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Date: August 21 – 22, 2019



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Airport Operator RCAM Implementation



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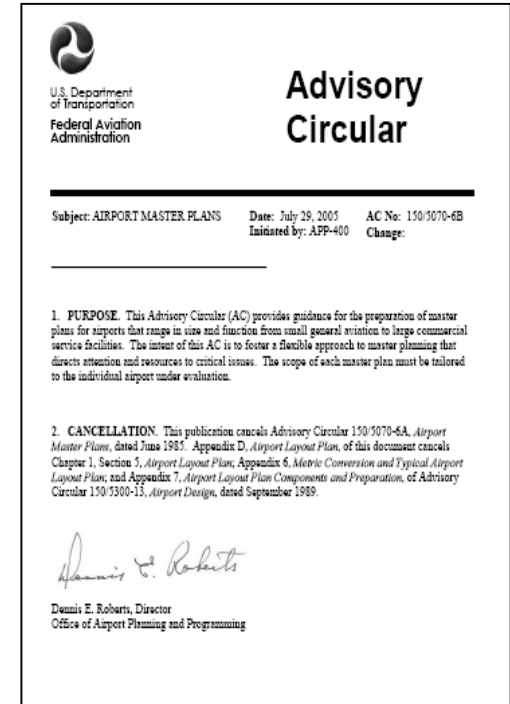
Implementation Tools

- **Advisory Circular 150/5200-30D, *Airport Field Condition Assessments and Winter Operations Safety***
- **Advisory Circular 150/5200-28F, *Notices to Airmen (NOTAMs) for Airport Operators***
- **Enhanced tool for producing RwyCCs and reporting Field Condition NOTAMs (FICON)**
 - Modified system on how surface conditions will be reported based on the RCAM criteria
 - System reduces subjectivity and standardizes how the RwyCC is generated and published
 - System calculates and generates RwyCCs based on contaminant information input by the airport operator
 - System comprised of simple dropdown menu selections for the airport operator
 - Established a demo system for testing and familiarity
 - System business rules and methods are transferrable
 - Prepared to coordinate with implementation teams
 - FAA Order 7930.2, Notices To Airmen (NOTAMs), is governing document

Other Guidance Documents

Advisory Circulars:

- 150/5320-12, AC 150/5320-12C - Measurement, Construction, and Maintenance of Skid Resistant Airport Pavement Surfaces
- 91-79, Mitigating the Risks of a Runway Overrun Upon Landing
- 25-31, Takeoff Performance Data for Operations on Contaminated Runways
- 25-32, Landing Performance Data for Time-of-Arrival Landing Performance Assessments



Air Traffic Controller TALPA Implementation



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ATC Guidance Documents

- **Order JO 7110.65 – Air Traffic Control**
 - Added Runway Condition Codes (RwyCC) – “0” (worst) to “6” (best)
 - Replaced “Fair” reportable braking action report with ICAO “Medium”
 - Introduced new categories: “Good to Medium” and “Medium to Poor”
- **Order JO 7210.3 – Facility Operation and Administration**
- **Order JO 7110.10 – Flight Services**
- **Aeronautical Information Manual (AIM)**
- **Aeronautical Information Publication (AIP) ICAO**
- **Pilot/Controller Glossary**

Air Traffic Controller Required Training

- **Develop Training and Training Guidance**
 - Appropriate timelines and methods must be established
 - Training and updates must be consistent state-wide
 - Recommend establishing a training framework/template for standardization
- **Brief Procedural Changes to All Controllers**
 - Terminal facilities
 - EnRoute facilities
 - Both state run and non-government facilities

Emphasize Controller Procedures Not Affected

- **Controllers will** still solicit braking action reports from pilots after/upon landing
- **Controllers will** disseminate to Airport Operators, and pilots, pertinent changes to surface/landing conditions received via PIREPS/NOTAMS
- **Controllers will** disseminate new information via ATIS broadcasts like Runway Condition Codes.
- **Controllers will** **NOT** add the complete FICON NOTAMs to the ATIS broadcast

Aircraft Operator TALPA Implementation



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Airplane Performance

- **FAA Goal – Data Basis**
 - Same basis for all manufacturers and operators
 - One set of assumptions when manufacturers create data
 - One set of guidelines for operators
 - ICAO adopted same time-of-arrival landing performance basis
 - Manufacturer supplied performance data is based on the same assumptions with some exceptions
 - Operator guidance the same

Comments and Questions?

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