



**Airbus**  
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# Runway Surface Condition Assessment and Reporting

A Manufacturer's Perspective

# Airbus' Consistent Approach to TALPA Implementation

## In-Flight Landing Performance Data



- + Available for all Airbus aircraft against Runway Condition Codes
- + Already compliant with FAA AC25-32 for in-service type designs
- + Documentation, ground and on-board tools

## Procedures



- + Approach preparation

## Cockpit Systems



- + Runway Overrun Safety Net
- + Assistance to Pilot Reporting of Runway Braking Action

**RWY TOO SHORT**

# Contributing to the TALPA “Success Story”



Airbus  
was an early adopter

## Involvement

- + **with customers**  
“Large scale experiment” allowed identification and resolution of operational issues
- + **with EASA**  
For approval of data and systems
- + **with ICAO**  
For the contribution to Standards

## Next Steps



Adoption



Implementation

## ➤ What remains to be done?

### + By National Authorities (including EASA)

Transcription into national regulations

Interpretation of some “performance-based” aspects in ICAO Standards

Simplification of landing performance duality for dispatch and in-flight

Down- and upgrading of takeoff performance

### + By Airports

Implementation of the Intent of the ICAO Standards

Training of personnel to understand what matters for aircraft performance and to exercise their informed judgment

Setting up effective and quick observation and communication procedures

# Runway Maintenance

## Risk & Opportunity



- + ICAO Standard on Maintenance and Minimum Friction Thresholds removed
- + Performance base for wet runway friction under discussion in Flight Test Harmonization Working Group
- + Emerging technology of routine runway friction monitoring by landing commercial airplanes

# Conclusion



## Condition Reporting Essential

Airports must:

- Focus on the critical components
- Have aircraft performance in mind

## Benefits

Safety & Flexibility

FAA AC25-31 and -32 are recognized basis for aircraft performance

Full potential can only be developed with compliant reporting

Complemented by objective PIREPS

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