



Runway Friction and Aircraft Braking – The way forward – 11 – 12 March 2010

Venue: DGAC France, Auditorium
50, rue Henry-Farman
75 720 PARIS CEDEX 15

Draft Agenda

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| Day 1 Thursday, 11 March 2010 | | |
| 08:00 | Registration | |
| 08:30 | Welcome and French DGAC perspective | Jean-Michel Aubas, STAC Director |

| Session 1: An evolutionary context | | Moderator: Patrick Lerat, DGAC-STAC |
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| 08:45 | Purpose and Agenda of the Workshop | Werner Kleine-Beek EASA, Safety Analysis & Research Department |
| 08:55 | ICAO Perspective | Sven Halle ICAO, European and North Atlantic Office |
| 09:25 | Runway safety occurrences Improving runway safety: EASA's vision <ul style="list-style-type: none">• Large aeroplanes performance data requirements• Airport rulemaking initiatives | Xavier Vergez EASA Certification Directorate and Velissarios (Velis) Eleftheriou EASA Rulemaking Directorate |
| 10:00 | Coffee Break | |



| Session 2: Recent Initiatives | | Moderator: Werner Kleine-Beek |
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| 10:30 | Results of ICAO Friction Task Force | Armann Norheim Avinor |
| 11:00 | TALPA ARC Recommendations <ul style="list-style-type: none"> o determining, reporting, and accounting for contaminated runway surface conditions o TALPA ARC validation testing | Jerry Ostronic, FAA, Aviation Safety Inspector Operations Capt. Mitch Matheny Pinnacle Airlines Manager, Flight Standards and Chet Collett Alaska Airlines Manager, Flight Standards |
| 12:00 | Research activities in France: <ul style="list-style-type: none"> o DGAC study on operational friction o Runway Surfaces: Evaluation of runway contamination and contamination drag | Patrick Lerat, DGAC / STAC, Benjamin Smagghe, DGAC / STAC And Jonathan Gerthoffert, DGAC / STAC Guillaume Auquier, Aeroport de Paris Jean-Marie Machet, Aeroport de Paris |
| 13:00 | Lunch Break | |



| Session 3: EASA research project RuFAB - Runway Friction Characteristics Measurement and Aircraft Braking | | |
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| 14:00 | Phase 1: Inventory of research, documents, taxonomy <ol style="list-style-type: none"> 1. Overview of Objectives, Scope and Approach 2. Summary/Overview of Findings and Recommendations | George Comfort BMT Fleet Technology George Comfort |
| 14:30 | Phase 2: Functional friction measurement <ol style="list-style-type: none"> 1. Overview of Objectives, Scope and Approach 2. Alternative Methods to Evaluate Surface Friction Characteristics 3. Stepwise Procedure and Guidelines for Harmonization | Zoltán Radó PennState University; Transportation Institute Zoltán Radó Zoltán Radó |
| 15:15 | Coffee break | |
| 15:45 | Phase 3: Operational friction measurement / assessment <ol style="list-style-type: none"> 1. The Basics of RCR - Impact of TALPA ARC, Definitions, etc. 2. Friction Measurements for Operational Applications 3. Runway Surface Condition Observations and Information Transmission 4. Summary and Conclusions for Phase 3 | Terry Townshend Townshend Technical Services Al Mazur BMT Fleet Technology Terry Townshend George, Al, Terry |
| 16:45 | Overall Summary of Conclusions and Recommendations including issues <ul style="list-style-type: none"> o Summer vs Winter operation o Oper'l vs Funct'l Measurement o CFME¹s vs Decelerometers o Need to Correlate with Aircraft, etc. | George, Al, Terry, Zoltán |
| 17:00 | End of Day 1 | |

¹ Continuous Friction Measuring Equipment



Day 2

Friday, 12 March 2010

| Session 4: Stakeholder's perspectives | | Moderator: Werner Kleine-Beek |
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| 08:30 | Aviation Administrations ○ UK Civil Aviation Authority, CAA ○ Transport Canada Civil Aviation, TCCA | Paul Fraser-Bennison Angelo Boccanfuso |
| 09:10 | Airport Operator ○ Munich Airport ○ Manchester Airport | Jörg Simon Simon Butterworth |
| 10:00 | ASTM Committee E17, Vehicle Pavement Interaction | Frank Holt Chairman of ASTM E17 Subcommittee E17.24 (Former ASTM E17 Chairman) |
| 10:30 | Coffee Break | |
| 11:00 | Airframe Manufacturer ○ Airbus ○ Boeing | Lars Kornstaedt Paul Giesman |
| 12:00 | Scientist's vision: Aircraft braking data link | Zoltán Radó PennState University; Transportation Institute |
| 12:30 | Airline Operator ○ Finnish Commuter Airlines ○ US Airways and Delta Air Lines | Ann-Sofie Snåre Mike Byham Roy Maxwell |
| 13:10 | Lunch break | |



| Session 5: Round table discussion with stakeholders and audience | | Moderator: Jean-Louis Pirat, DGAC / STAC |
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| 14:15 | Summary, Objectives, Priorities and further R&D | Werner Kleine-Beek |
| 14:30 | Panellist: IFALPA Bill deGroh ECA Capt. Maurits Hulshof ACI Ian Witter FAA Don Stimson (Susan Gardner) EASA Velissarios (Velis) Eleftheriou ICAO Sven Halle (Armann Norheim) BMT George Comfort | Moderator: Jean-Louis Pirat, DGAC / STAC |
| 15:30 | Closing remarks and coffee | Werner Kleine-Beek |
| 16:00 | End of workshop | |