

EUROCONTROL Safety & Human Factors Seminar

19-20 October 2010

Venue: EUROCONTROL - AUDITORIUM

Brétigny-sur-Orge, France 19-20 October 2010

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AGENDA

Day 1 – 19 October

09.00 Registration & Coffee

09.45 Welcome & Introduction: *Barry Kirwan (Eurocontrol)*

Human Factors

10.00 Safety and human factors integration in the participatory development of a controller tool: the case of harmonization improvement of the flight progress board: *Speaker – Mats Törnvall (LFV)*

10.30 The need for a multi-factorial approach to safe human performance in air traffic control:
Speaker - Tamsyn Edwards (Nottingham University)

11.00 Controller Strategies for Mitigating Complexity and Adapting Workload in Air Traffic Control:
Speaker – Tom Kontogiannis (Technical University of Crete)

11.30 -12.00 Coffee break

Human Reliability

12.00 Human Hazards Analysis Methodology for NextGen : *Speaker – Michael Sawyer (TASC)*

12.30 Cockpit Operations Reliability Assessment: Moving Away from 'All or Nothing' Assumptions for Pilot performance on the Flight Deck: *Speaker – Lars Fucke (Boeing)*

13.00 -14.00 Lunch

Resilience

14.00 Exploring Resilience Engineering contribution to risk analysis in Air Traffic Management :
Speaker – Ivonne Herrera (SINTEF Technology and Society)

14.30 Resilient Air Traffic Management in a Single European Sky: An Introductory Research and Development Agenda : *Speaker – Rogier Woltjer (LFV)*

Operational Safety – Part I

15.00 Scaring Engineers with Degraded Modes Training : *Speaker – Chris Johnson (University of Glasgow)*

15.30 -16.00 Coffee break

Operational Safety – Part II

16.00 A Methodology for Assessing the Risks Associated with nonparallel runway Operations:
Speaker – Joe Clements (The MITRE Corporation)

16.30 Aware: Preventing airspace infringements before they happen : *Speaker - Kathy McColl (NATS)*

17.00 Studying the Safety of a Future Taxi Into Position and Hold Operation by Agent-based Dynamic Risk Modelling
Speaker - Sybert Stroeve (NLR)

17.30 End of Day 1

18.00 Cocktail

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Day 2 – 20 October

09.00 Coffee

Safety Nets - Part I

09.30 Assessing the safety benefits of ACAS in the future ATM environment with Very Light Jets:

Speaker – *Thierry Arino (Egis Avia)*

10.00 CAUSE Study into Unmanned Aircraft Systems: UAS Collision Avoidance Requirements for ATM:

Speaker – *H.Hitchinson (Quintetiq)*

10.30 Integrating two TCAS/ACAS-RA-Monitoring approaches: Listening into ACAS-Communication and Mode S-Radar RA-Downlinks and continuous observation of traffic situations creating ACAS-RAs and aircraft reactions:

Speaker – *Peter Form (Technical University of Braunschweig)*

11.00 -11.30 Coffee break

Safety Nets - Part II

11.30 Introducing Non-Cooperative Sensor Systems at 'Regional' Airports to address Runway Incursion Risk:

Speaker – *Hans de Jong (DFS)*

Modelling & Understanding Risks – Part I

12.00 Risk Analysis Tool – the way to achieve harmonization between US and Europe on incidents evaluation and causal factors trends analysis: Speaker – *Tony Licu (Eurocontrol)*

12.30 Development of an Integrated Risk Picture (IRP) for Maastricht En-Route Operations:

Speaker – *Brian Hickling (Eurocontrol)*

13.00 -14.00 Lunch

Modelling & Understanding Risks- Part II

14.00 Operational Vulnerability Discovery Tools and Techniques in ASIAs: Speaker – *Michael Hadjimichael (MITRE)*

14.30 En-route sector separation measurements based on real data: Speaker – *Ella Pinska (Eurocontrol)*

Safety Culture – Part I

15.00 How do safety culture assessments relate to objective operational safety performance?:

Speaker – *Sherry Borener (FAA)*

15.30 -16.00 Coffee break

Safety Culture – Part II

16.00 Measuring Safety Culture Maturity: Speaker - *Joan Devine (FAA) & Heather Henderson (Navcanada)*

16.30 Safety Culture Surveys – the customer perspective: Speaker - *Beno Pacnik (Slovenia Control)*

17.00 Safety Intelligence: How to design a safe CEO : Speaker – *Laura Fruhen (University of Aberdeen)*

17.30 Wrap-up

17.45 End of the Seminar