



EUROCONTROL Annual Safety R&D Seminar



Roma, Italy 24 – 26 October 2007



AGENDA

Day 1 – 24 October

09.30 Registration & Coffee

10.30 Welcome & Introduction *Barry Kirwan / ENAV*

Safety Evaluation of Operational Concepts – Part I

11.00 Air Traffic Control Safety Alerts: reducing the Nuisance: *Speaker - Dino Piccione*

11.30 Investigating safety issues during ATC Real-Time Simulation: The case of Data-Link services:
Speaker - Antonini/Lorenz/Dusire

12.00 On the reconstruction of safety-critical events in real time simulations: The case of resolution Advisory Downlink : *Speaker - : Drozdowski/ Lorenz*

12.30 -14.00 Lunch

Safety Evaluation of Operational Concepts – Part II

14.00 Safety Screening-Experiences in applying a proactive approach to concept development within SESAR:
Speaker - O Straeter

14.30 A spiral process of concept development and Safety validation in ATM:
Speaker R.Scholte/J.Jansen

15.00 Common problems and potential interactions between Safety Nets: *Speaker –G. Lotti*

15.30 -16.00 Coffee break

Safety performance

16.00 Low level indicators of safety: *Speaker - D Bush*

16.30 Are Safety Indicators and Lessons Learned of Othe Domains also Valid for ATM: *Speaker - H Scherzer*

17.00 A framework of indicators for the potential influence of Air Navigaton Services on Air traffic in Europe:
Speaker - H de Jong

17.30 End of Day 1

19.00 Welcome Cocktail.



Day 2 – 25 October

08.30 – 09.00 Coffee

Safety Assessment

09.00 Differentiated apportionment in LVNL safety criteria based on historical accident data: *Speaker - van den Bos*

09.30 The fallacy of severity classification in risk assessment methods
Speaker – A.Pasquini

10.00 Systemic safety modelling and analysis of organizational processes in air traffic: *Speaker - S Stroeve*

10.30 – 11.00 Coffee break

Human Factors Part I

11.00 The realities of human risk assessment: Lessons learned from the application of HERMES to the new Heathrow control tower *Speaker – S T. Shorrock*

11.30 Measuring factors influencing safety: The SHAPE questionnaires *Speaker - D. Dehn*

12.00 A resilient approach towards Human reliability Assessment *Speaker – E.Hollnagel*

12.30 – 14.00 Lunch

Parallel sessions

SAFETY CULTURE – PART 2

14.00 Implementation of a just culture in ANSP : *Speaker – T.Laursen*

14.30 Safety Improvement Efforts in ATO: *Speaker - A Smith*

15.00 Measurement of Safety Culture in 5 ANSPs – Identifying causes and solutions : *Speaker - R Gordon*

16.00 A synthesis of the literature on Safety Culture: characteristics, definition, indicators and classification schemes.
C.Montijn

16.30 A Case Study of the Safety Culture transformation in Technical Operations of the Air Traffic Organization, FAA *M.Pantakar*

17.00 Safety Culture & organizational performance
J.Vogt / J.Leonhardt / S. Pennig

Advanced Safety Theory

14.00 Contribution of multiple R&D projects to Safety Analysis of New operational concepts- problems & perspectives *M Leone*

14.30 An historical organizational framework to investigate “Safe practice” under routine and abnormal conditions *P Amaldi*

15.00 Characterising the distribution of Safety occurrences in aviation: An approach using extreme value theory *A. Majumdar*

15.30 – 16.00 Coffee

16.00 Designing for the Resilience of Flight approach Operations.
R.Joyekurun

16.30 An investigation of the relationship between ATC complexity and airspace safety: the evidence from loss of separation incidents in New Zealand Airspace *A. Majumdar*

17.30 End of Day 2

20.00 Dinner

Human Factors Part II

14.00 From Individual events to resilient system design *O. Straeter*

14.30 Application of the CARA HRA tool to ATM Safety Case
H.Gibson

15.00 The human Factors Case : A process for Human Factors integration into European Air Traffic Management Projects *U.Mellet*

16.00 A prototype process of Mental models for terminal approach radar controllers *S. Malakis*

16.30 The Normal Operations Safety Survey (NOSS) Measuring system performance in air traffic control *C. Henry*

17.00 Monitoring normal operations in a safety management system: crossing the perspectives on NOSS for ATM & LOSA for airlines *S. Deharvengt*



Day 3 – 26 October

08.30 – 09.00 Coffee

Advanced Safety Modelling

09.00 National airspace system Integrated Risk picture: *Speaker - J Daum*

09.30 Development of a Safety target Achievement Roadmap (STAR) for ATM in Europe using the Integrated Risk Picture : *Speaker - E Perrin*

10.00 Dynamic Risk modelling of ATM: emerging issues for incorporating time constraints :
Speaker - De Ambroggi

10.00 – 10.30 Coffee break

11.00 The European Strategic Safety Initiative (ESSI): Partnership for Safety In Europe *Speaker*
– *M.Masson*

11.30 Discussion, Feedback...

12.30 Lunch & End of Seminar

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