



How can Wake Vortex Separation Standards be revised?

3rd annual WakeNet2 Europe Workshop
Eurocontrol Experimental Centre, Brétigny, France
29/11 and 30/11 2005

DAY 1

09.00. **Registration and Coffee** in the entrance hall

09.30. Welcome to Eurocontrol Experimental Centre
Christian Pusch, Research Network Manager, Eurocontrol

09.35. Welcome by the European Commission
Dietrich Knörerzer, Scientific officer

09.40. Introduction to the Workshop and practicalities
Jean Pierre Nicolaon, Eurocontrol and Abraham Elsenaar, Coordinator of WakeNet2 Europe

09.50 Session 1. **The need for improvement.**

Moderator: Jean Pierre Nicolaon

09.50 How the present separation standards were created, Dr Jim Hallock, Volpe, USA

10.20 Safety – Incidents and statistics: the need for improved means to quantify safety,
John Shortle, George Mason university, USA

10.50 Capacity - The need of added airport capacity, Jean-Marie Chevallier, Aéroports
de Paris.

11.20 BREAK 10 minutes

11.30 Regularity and punctuality - The focus of airlines and passengers, Andy Shand
British Airways

12.00 Airport benefit studies, Europe and USA, Claire Pugh, NATS and Clark Lunsford,
Mitre, USA

12.30 **LUNCH** is served in the Atrium

13.45 Session 2. **The regulatory process**

Moderator: Tim Fowler, Det Norske Veritas, DNV

13.45 ICAO decision process, Cay Boquist, Eurocontrol

14.15 EASA regulatory process, EASA

14.45 FAA and the regulatory process, FAA , USA

15.15 **COFFEE**

15.45 Session 2. Continuation

15.45 The ESARR process, Eurocontrol

16.15 Session 3. **Building the safety argument**

Moderator: Steve Lang, FAA

16.15 Safety case argumentation, Tim Fowler, DNV

16.45 Safety quantitative risk assessment: WakeScene, Frank Holzapfel

17.15 BREAK 10 minutes

17.25 Safety quantitative risk assessment: ASAT, Shahar Ladecky, USA

17.55 Final discussion and conclusions Day 1

18.15 COCKTAILS and *Tour de Centre*

19.30 DINNER is served in the Atrium

22.30 Buses will leave for nearby hotels and for one stop in Paris.

DAY 2

09.00 Short resume of day 1

09.10 Session 3 continuation

VESA, vortex encounter severity analysis. Michael Fuhrmann, Airbus.

09.50. Session 4. **Case studies of Wake Vortices Safety assessment.**

Moderator Wayne Bryant, NASA

09.50 Current practice at London Heathrow, Paul Johnson, NATS

10.20 USA Near term progress for Closely Spaced Parallel Runways, Jeff Tittsworth Mitre, USA

10.50 COFFEE

11.20 Work done at Frankfurt, DFS, Jens Konopka

11.50 Time Based Separations project, Antoine Vidal, Eurocontrol and Charles Morris, NATS

12.20 LUNCH is served in the Atrium

13.30. Session 5. **Comments from Stakeholders panel and discussions**

FAA, EASA, Eurocontrol HQ, ICAO, pilot, Airline, Airport, ATCO, ACI

14.30. Session 6. **Main conclusions from the WakeNet2 Europe Research Needs document.**

14.50. Session 7. **Final discussion and conclusions**

15.00. **The WakeNet 2 Europe Workshop 3 ends**

The technical evaluator of the workshop is Claire Pugh, NATS

For registration see: <http://www.onecert.fr/projets/WakeNet2-Europe/>