

## 4<sup>th</sup> Major & Final Workshop Wake Turbulence in Current Operations and Beyond

*Workshop Agenda Tuesday, 28 February 2012 (1st day)*

<b>09:00</b>	<b>Workshop Registration</b>
<b>09:30</b>	<b>Welcome &amp; Introduction</b> VOLKER HEIL, HEAD OF RESEARCH AND DEVELOPMENT, DFS DIETRICH KNÖRZER, SCIENTIFIC OFFICER, EUROPEAN COMMISSION ANDREAS REINKE, COORDINATOR - WAKENET3-EUROPE, AIRBUS
<b>10:00</b>	<b>Session 1: Ongoing Activities</b> Chair: Jens Konopka
10:00	<b>Displaced Thresholds and the Wake Turbulence Issues</b> ISA ALKALAY, SKYGUIDE
10:30	<b>European Proposed RECAT Amendment for Capacity Optimisation</b> VINCENT TREVE, EUROCONTROL
<b>11:00</b>	<b>Coffee Break</b>
11:30	<b>Wake Vortex Severity Criteria: The Search for a Single Metric</b> PETER VAN DER GEEST, NLR
12:00	<b>RECAT Phase 2 – Status Update</b> <del>FRANK WANG, VOLPE CENTER</del> <b>REPLACED BY</b> PAUL E. SLABOCH, VOLPE CENTER
<b>12:30</b>	<b>Lunch Break</b>
14:00	<b>RECAT Phase 2 Approach to Airport Specific Benefits</b> CLARK LUNSFORD, MITRE CORPORATION
<b>14:30</b>	<b>WakeNet3-Europe State-of-the-Art &amp; Research Needs Report</b> Chair: Andreas Reinke
14:30	<b>WakeNet3-Europe State-of-the-Art &amp; Research Needs Report</b> FRANK HOLZÄPFEL & ANDREAS REINKE ON BEHALF OF THE WAKENET3-EUROPE TEAM
<b>15:30</b>	<b>Coffee Break</b>
<b>16:00</b>	<b>Session 1: Ongoing Activities continued</b> Chair: Andreas Reinke
16:00	<b>On the Influence of Vortex Curvature on Encounter Hazard</b> DENNIS VECHTEL, DLR
16:30	<b>GreenWake – Framework 7 Project to Detect Wake Vortices and Wind Shear</b> CARSTEN SCHWARZ, DLR
<b>17:00</b>	<b>Statements by Workshop Participants</b> Moderator: Andreas Reinke
17:00	<b>Statements by Workshop Participants</b>
<b>17:30</b>	<b>End of Day 1</b>
<b>19:00</b>	<b>Social Event</b>



## 4<sup>th</sup> Major & Final Workshop

# Wake Turbulence in Current Operations and Beyond

*Workshop Agenda Wednesday, 29 February 2012 (2nd day)*

<b>08:45</b>	<b>Workshop Opening</b>
<b>09:00</b>	<b>Session 2: Wake Characteristics &amp; Wake Turbulence Assessment</b> Chair: Matt Ross
09:00	<b>Comparative Wake-Turbulence Assessments and Findings for the B747-8</b> JEFFREY CROUCH, BOEING
09:30	<b>Wake Encounter In-Situ Flight Tests in Cruise – Wake Characterization</b> DIETRICH FISCHENBERG, DLR
10:00	<b>Evaluation of Wake Encounter Flight Tests in Support of Defining Safe A380 Separations</b> ANDREAS REINKE, AIRBUS
<b>10:30</b>	<b>Coffee Break</b>
11:00	<b>Wake Vortex Decay in Ground Proximity - Physical Mechanisms and Artificial Enhancement</b> FRANK HOLZÄPFEL, DLR
<b>11:30</b>	<b>Session 3: Advisory Systems, WV, WX monitoring and prediction</b> Chair: Markus Wahl
11:30	<b>Wake Load Alleviation Control Functions and Resulting Forward-looking Sensor Requirements</b> CHRISTIAN HORN, DLR
12:00	<b>Radar Monitoring of Wake Turbulence in Rainy Weather: Modelling and Simulation</b> ZHONGXUN LIU, ISAE/NUDT
<b>12:30</b>	<b>Lunch</b>
13:30	<b>SESAR P12.2.2 System Architecture and Simulation Platform</b> <del>FREDERIC BARBARESCO, THALES</del> <b>REPLACED BY</b> FREDERIC BARBARESCO, THALES
14:00	<b>Radar/Lidar Sensors for Wind &amp; Wake-Vortex Monitoring on Airport: First results of SESAR P12.2.2 XPO trials campaign at Paris CDG Airport</b> FREDERIC BARBARESCO, THALES
14:30	<b>A Wind Forecast Algorithm to Support Strategic Planning for the WTMA-S Operational Concept</b> CYNTHIA D. ENGHOLM, MIT LINCOLN LABORATORY
15:00	<del>DEVELOPMENT OF WIND DOPPLER LIDARS IN RUSSIA</del> <del>ANDREY E. ORLOV, LASER SYSTEMS LTD</del> <b>REPLACED BY</b> <b>WARREN BUFFET VS. BILL GATES, TRANSITIVITY &amp; WAKE TURBULENCE SAFETY ASSESSMENTS</b> JENS KONOPKA, DFS
<b>15:30</b>	<b>Coffee Break</b>
<b>15:45</b>	<b>WakeNet3-Europe Final Notes</b> DIETRICH KNÖRZER, SCIENTIFIC OFFICER, EUROPEAN COMMISSION ANDREAS REINKE, COORDINATOR - WAKENET3-EUROPE, AIRBUS CARSTEN SCHWARZ, WAKENET4-EUROPE, DLR
15:45	<b>Statement by the WakeNet3-Europe Scientific Officer</b> DIETRICH KNÖRZER
16:05	<b>Statement by the WakeNet3-Europe Coordinator</b> ANDREAS A. REINKE, WAKENET3-EUROPE COORDINATOR
16:25	<b>Planning and Status of WakeNet4</b> CARSTEN SCHWARZ, DLR
<b>16:30</b>	<b>End of Workshop</b>

