

## 2<sup>nd</sup> Major Workshop Developments in Wake Turbulence Safety

### Workshop Agenda Monday, 28 June 2010 (1st day)

08:00	<b>Transfer: Busses leaving pick-up points at Hotels</b>
08:45	<b>Transfer: Security check-in at Airbus St. Martin site main gate</b>
09:00	<b>Workshop Registration</b>
09:30	<b>Welcome &amp; Introduction</b> CHARLES CHAMPION, Head of Engineering, Member of the Executive Committee, AIRBUS DIETRICH KNÖRZER, Scientific Officer, European Commission ANDREAS REINKE, Coordinator - WakeNet3-Europe, AIRBUS
10:00	<b>Session 1: Global status of Projects &amp; Activities related to Wake Vortex Safety</b>
10:00	<b>WakeNet3-Europe (20min)</b> ANDREAS REINKE (AIRBUS)
10:20	<b>Wake Vortex in the Context of SESAR (20min)</b> PAUL ADAMSON (SESAR-JU)
10:40	<b>Wake Vortex in the Context of NextGen &amp; Status of WakeNet-USA (20min)</b> STEVEN LANG (FAA) OR JEFF TITTSWORTH (FAA)
11:00	<b>Wake Vortex Projects in Russia &amp; Status of WakeNet-Russia (20min)</b> SERGEY ALEKSEEV (MRPC AVIONICA), ANDREY BELOTSEKOVSKIY (CCAS RAS), MIKHAIL KANEVSKIY (TRANSPORT MINISTRY)
11:20	<b>Break (20min)</b>
11:40	<b>Session 2: Defining Safe Wake Turbulence Separations</b>
11:40	<b>Wake-Vortex &amp; Wind Monitoring Sensors (20min)</b> FREDERIC BARBARESCO (THALES)
12:00	<b>WVE Gust Size and Magnitude Flight Data (20min)</b> ANTHONY BROWN (NRC CANADA)
12:20	<b>Lunch (1:30min)</b>
13:50	<b>A380 Wake Encounter Flight Tests (30min)</b> CLAUDE LELAIE (AIRBUS)
14:20	<b>WV Simulation in support to the Safety Analysis of new concepts for A/C reduced separations (20min)</b> OLIVIER DESENFANS (ADV SYSTEMS)
14:40	<b>Models and Methods for Wake Vortex Encounter Simulations (20min)</b> SWANTJE AMELSBURG (TUB) AND/OR ROBERT LUCKNER (TU BERLIN)
15:00	<b>Coffee Break (30min)</b>
15:30	<b>WakeScene / VESA for wake encounter risk evaluations (30min)</b> SEBASTIAN KAUERTZ (AIRBUS) AND/OR FRANK HOLZÄPFEL (DLR)
16:00	<b>CROPS – Cross wind dependent separations and update on Time Based Separation Concept (20min)</b> PETER CHORоба (EUROCONTROL)
16:20	<b>Short Break (10min)</b>
16:30	<b>Session Special: Contrails &amp; Wakes</b>
16:30	<b>Contrail Cirrus and their climate impact (20 min)</b> ULRIKE BURKHARDT (DLR)
16:50	<b>LES of contrail formation and early development in the near-field of a model aircraft wake (20min)</b> ROBERTO PAOLI (CERFACS)
17:10	<b>3D-simulations of wake vortex evolution: Which features are relevant to contrail modellers? (20min)</b> SIMON UNTERSTRÄßER (DLR)
17:30	<b>End of Day 1</b>
18:00	<b>Transfer: Busses leaving to Downtown Toulouse</b>
19:00	<b>Social Event – VIP Dinner Toulouse City Centre (optional, registration required)</b>
23:00	<b>Transfer: Busses leaving to Hotels</b>

## 2<sup>nd</sup> Major Workshop Developments in Wake Turbulence Safety

### Workshop Agenda Tuesday, 29 June 2010 (2nd day)

07:45	Transfer: Busses leaving pick-up points at Hotels
08:30	Transfer: Check-in at Airbus St. Martin site Main Gate Security
08:45	Workshop Opening
08:45	Session 3 : Recategorisations
08:45	Approval of single 757 wake category and harmonization of weight boundaries in the US (20min) JEFFREY TITTSWORTH (FAA, TBC)
09:05	Wake Vortex Reporting and Category Harmonization (25min) DEBORAH MITCHELL (NATS)
09:30	Recategorisation of ICAO Wake Vortex weight classes – Phase I and beyond (30min) STEVEN LANG (FAA) AND/OR PETER ERIKSEN (EUROCONTROL) AND/OR JEFFREY TITTSWORTH (FAA)
10:00	Coffee Break (30min)
10:30	SESAR project 6.8.1 "Flexible and Dynamic Use of Wake Vortex Separations" (30min) VINCENT TREVE (EUROCONTROL)
11:00	Session 4 : Wake Advisory & Warning Systems
11:00	Short-Term Weather Forecasting for Probabilistic Wake-Vortex Prediction (30min) FRANK HOLZÄPFEL (DLR)
11:30	Update on GreenWake project (15min) CARSTEN SCHWARZ (DLR), OTHERS TBD
11:45	Group photo shot (Terrace)
12:00	Lunch (1:30min)
13:30	SESAR project 12.2.2 "Runway Wake Vortex Detection, Prediction and decision support tools" (30min) JEAN-FRANCOIS MONEUSE (THALES)
14:00	SESAR projects 9.11 & 9.30 "Aircraft Systems for Wake Encounter Alleviation" (30min) SEBASTIAN KAUERTZ (AIRBUS) AND/OR ANDREAS REINKE (AIRBUS)
14:30	Update on Standardisation activities (15min) LAURENCE MUTUEL (THALES) AND EDWARD JOHNSON (FAA, TBC)
14:45	Coffee Break (30min)
15:15	Closing Session
15:15	Discussion & wrap-up – Next steps in Wake Turbulence Safety (45min) ANDREAS REINKE (AIRBUS), OTHERS (TBD)
16:00	End of Workshop
16:00	Transfer: Busses leaving to Airport and A380 Final Assembly Line Visit
16:30	Guided Tour of Airbus A380 Final Assembly Line (optional, registration required)
18:30	Transfer: Busses leaving to Hotels

