



Agenda 2020

Plenary Session

Day 1 > March 10, 2020

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| 9:00-9:15 AM | Introduction, Agenda & Logistics
<i>Magali Vaysset - CTIC Chairwoman (AKKA)</i> |
| 9:15-9:45 AM | CTIC Opening
<i>Mirko Reuter (LILIUM)</i> |
| 9:45-10:15 AM | Update on EASA activities and rulemakings
<i>Anne Senechal & Guillaume Soudain (EASA)</i> |
| 10:15-10:45 AM | TCCA presentation
<i>Patrick Desbiens (TCCA)</i> |
| 10:45-11:30 AM | COFFEE AND REFRESHMENT BREAK |
| 11:30-12:00 AM | ASD presentation about EASA Stakeholders Advisory Body (SAB)
<i>Gilles Garrouste (Dassault-Aviation)</i> |
| 12:00-12:30 AM | New opportunities for UAS
<i>Mariane Renaux (Keryma)</i> |
| 12:30-2:00 PM | LUNCH BREAK |
| 2:00-2:30 PM | S18/WG63 Update (joint SAE and Eurocae WG for ARP4761 & ARP4754 revisions)
<i>Christopher Lacey (Airbus) - Julien Chaou (Liebherr)</i> |
| 2:30-3:00 PM | Update on drones regulations
<i>Anne Senechal & Guillaume Soudain (EASA)</i> |
| 3:00-3:30 PM | Artificial Intelligence in UAS (JARUS WG-3)
<i>Markus Farner (FOCA)</i> |
| 3:30-4:15 PM | COFFEE AND REFRESHMENT BREAK |
| 4:15-4:45 PM | Presentation of Airbus Roadmap on AI
<i>Romarc Redon (Airbus)</i> |
| 4:45-5:15 PM | Presentation of IRT project DEEL "Certification of AI/ML"
On behalf of DEEL certification workgroup
<i>Baptiste Lefevre (Thales)</i> |

Day 2 > March 11, 2020

Hardware track

System track

Software track

9:00-9:35 AM	A(M)C 20-152A <i>Anne Senechal (EASA)</i>	EASA Artificial Intelligence Roadmap <i>Guillaume Soudain (EASA)</i>	A Standard for EFB Applications - EUROCAE WG-106 <i>Manuel Gucemas (Thales)</i> <i>Eric Lesage (Airbus)</i>
9:35-10:10 AM	Thales presentation about A(M) C20-152A <i>Guy-André Berthon (Thales)</i>	EUROCAE WG-114 <i>Christophe Gabreau (Airbus)</i>	DO-326/ED-202A: Where now for Reusable Software Components? <i>Bill St Clair (LDRA - Sponsor)</i>
10:10-10:45 AM	AEH requirement based verification white paper <i>Tammy Reeve (Patmos)</i>	A Framework Towards Certifying AI-Based Applications for Safety-Critical Autonomous Flight <i>David Haber (Daedalean)</i>	RPAS Software Certification <i>John Mannarino & Amanda Melles (Mannarino)</i>
10:45-11:30 AM	COFFEE AND REFRESHMENT BREAK		
11:30-12:05 AM	Use of Multicore Processors in Certified Avionics: Inherent specificities and Resulting challenges <i>Françoise Crestey (Collins Aerospace)</i>	Certification from a human factors standpoint of a Head Worn Display for EFVS operations <i>Marc Bacchin (ATR)</i>	Applicability of DO178C for UAS <i>Hervé Delseny (Airbus)</i>
12:05-12:40 AM	PHYLOG certification methodology: a sane way to embed multi-core processor <i>Claire Pagetti (ONERA)</i>	Human factors in rotorcraft cockpits design and certification processes <i>Valérie Juppet (Airbus Helicopter)</i>	Pulsar: A Safe and Modular Flight Controller for Drones developed in compliance with the DO-178C DAL-A <i>Amin Elmrabti (HIONOS)</i>
12:40-2:10 PM	LUNCH BREAK		
2:10-2:45 PM	Transaction Based Verification in Accordance with DO-254 <i>Janusz Kitel (ALDEC-Sponsor)</i>	Certification of UAS for linear infrastructure long distance inspection <i>Ségolite Sellem-Delmar (Safran)</i> <i>Manuel Gucemas (Thales)</i>	Assuring ED-12C Autonomous Decision Making for UAVs <i>Nick Tudor (Drisq)</i>
2:45-3:30 PM	Status of the Overarching Properties Working Group <i>Jim Chelini (Verocel)</i>	EASA Special Condition on small VTOL <i>Guillaume Soudain (EASA)</i>	Industrial use of a safe and efficient formal method based software engineering process in avionics <i>Marie-Joséphine Carolus (Airbus)</i>
3:30-4:20 PM	COFFEE AND REFRESHMENT BREAK		
4:20-4:55 PM	Assuring Autonomy via Argument (AAVA) <i>Kim Wasson, (Federated Safety) & Tom Ferrell (Joby Aviation)</i>	Applied Neurosciences as a key to the development of usable technologies <i>Jean-Christophe Sarrazin (ONERA)</i>	DO178C compliance for multicore processors <i>Sam Thompson & Hashem Ghazzawi (Rapita)</i>
4:55-5:30 PM	Development of an Abstraction Layer of ED-80/DO-254 & ED-12/DO-178 <i>Anne Senechal (EASA)</i>	DO200B and Part-DAT, a new certification approach <i>Laurent Pomies (Dosoftware consulting)</i> <i>Manuel Gucemas (Thales)</i>	Use of Multicore Processors in Certified Avionics: How Virtualization can help <i>Olivier Charrier (WindRiver - Sponsor)</i>

Day 3 > March 12, 2020

Hardware track

System track

Software track

9:00-9:35 AM	MBSE/MBSA <i>Emmanuel Arbaretier (APSYS)</i>	ED-203A - Airworthiness Security Methods and Considerations <i>Yann Berger (Apsys)</i>	Alternative method compliant to ED109A to demonstrate partitioning between critical software components with different assurance level <i>Laure Baltzinger (THALES) & Patrick Serrot (THALES)</i>
9:35-10:10 AM	UAS conflicting certification standards and the effect on UAS architecture from a safety point of view <i>John McElhone (Airbus Helicopter)</i>	Lessons learnt from first certification ETSO 2C153 <i>Cyril Marchand (Thales)</i>	Compliance of the Common Criteria Evaluation with the RTCA DO-356A Standard <i>Oliver Köhlert (SYSGO-Sponsor)</i>
10:10-10:45 AM	The defence sector approach to safety compliance through IEC63187 <i>Bertrand Ricque (Safran Electronics and Defense)</i>	A(M)C 20-189 on OPR management <i>Guillaume Soudain (EASA)</i>	Using Model based design for development of a SOC <i>Bill Potter (Mathworks - Sponsor)</i>
10:45-11:30 AM	COFFEE AND REFRESHMENT BREAK		
11:30-12:05 AM	Operational Safety considerations in the reuse of manned aircraft equipment on drones <i>Aniello Izzo (AKKA)</i>	TC/STC challenges in the context of highly integrated system architecture <i>Mattias Fiocchi, Paul Seguin (Airbus Helicopter)</i>	Application of DO-330 in PDI generation environment <i>Frédéric Pothon (ACG)</i>
12:05-12:40 AM	SORA Approach <i>Grégoire Faur (Delair)</i>	SOTIF presentation <i>Jean-Louis Camus (ANSYS Esterel Technologies)</i>	PDI Lessons Learned <i>Patrick Desbiens (TCCA)</i>