

# EUROCAE Broadcast

Edition 1/2014

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## The new look of EUROCAE

We welcome you to our first edition of the new EUROCAE broadcast magazine. You might have realized that EUROCAE has not published any newsletters this year, among some personal and other smaller changes in the organisation, we will from now on publish 2 to 3 editions of the EUROCAE broadcast magazine and later this year we want to supplement this magazine by offering a short newsflash style electronic newsletter. The EUROCAE broadcast magazine will be printed and sent to our members in this nice and handy format, you are anytime able to unsubscribe this service, and it will be also available online accessible by your PED, at our website: [www.eurocae.net](http://www.eurocae.net).

Please do not hesitate to comment on our magazine, if you find the information useful, or you want other or more information about EUROCAE and EUROCAEs activities. The aim is to make it a useful source of information for our members and friends and for us a platform to communicate to you accordingly which is used by our stakeholders. We would also welcome your commercial advertisement, or your contribution from your field of involvement with EUROCAE.

The EUROCAE broadcast magazine will broadcast our news and reports, will transmit updates from the members and working groups. On another frequency the technical advisory committee TAC will broadcast the bigger picture, the Council their strategy and will fine tune the wavelength and modulation. So stay with us, turn on your receiver, when EUROCAE broadcast is on the air again, shortly after the Symposium and our 52<sup>nd</sup> General Assembly taking place on 29 and 30 April in Rome.



**Our best wishes for 2015!**  
**EUROCAE team**

**Nos meilleurs vœux pour 2015!**  
**L'équipe EUROCAE**



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# Editorial



The ATM modernisation programs are going in the next round, SESAR deployment and SESAR 2020, the update of the ATM Master Plan, on the other side of the Atlantic NextGen is progressing in a similar direction. ICAOs Global Air Navigation Plan will be reviewed and goes into its first periodic update. EUROCAE plays a key role in all these activities and even more in the future.

We are currently moving from prescriptive to performance based regulations in Europe and globally, which is a call for the standard developing organisations to fulfil their obligations more than ever in providing the “how” to comply with the rule. Best industry practices, acceptable means of compliance are also called “soft law”, standards developed by EUROCAE will allow aviation to keep up the pace to move towards a safe, efficient and sustainable future of air transport.

EUROCAE stands ready for today's and tomorrow's demand in publishing modern standards with perfection for innovative solutions, in support of reaching the European and Global goals when moving to the next level of technology in aviation and adapting the regulatory and standardisation strategy.

Just some weeks ago we organized our first High Level Meeting in order to shape the “European and Global Standardisation Strategy”. Together with our stakeholders we invited decision makers and executives from all aviation sectors to discuss the role of EUROCAE in the European and Global framework. The message could not have been clearer and more direct, EUROCAE has to take a leading role in Europe to coordinate the aviation standardisation activities. EUROCAE needs to cooperate with the relevant international partners to ensure worldwide interoperability and global harmonisation. EUROCAE standards are needed to address global challenges for a sustainable and economic growth and assist the regulator in providing “acceptable means of compliance” for a successful deployment and to ensure a safe and efficient aviation in Europe and beyond.

To underline the importance that EUROCAE standards need to be globally coordinated with our international partners, we further strengthened our collaboration with RTCA. In order to further boost such a global harmonisation, President Jean-Paul Platzer and RTCAs President Margaret Jenny signed a formal Memorandum at the High Level meeting, which was attended by close to 100 participants.

I joined the EUROCAE team in July this year, appointed by the Council as Secretary General on an interim basis and right from the beginning I was impressed by the spirit and performance of the organisation, the commitment of its members and the Secretariat staff. More than 30 working groups, nearly 1400 experts from around the world and a small, young, modern and enthusiastic Secretariat are ensuring the continuous operation in developing standards for aviation. I'm very proud and honoured that the EUROCAE Council has just recently given me the mandate to take over the permanent role of Secretary General which makes me part of this winning team when we accept together the challenges of today and even more in the future.

My role is it now to assist the Council in defining EUROCAEs strategic objectives accordingly and execute with my Secretariat team the direction given. Provide the best possible environment, support and infrastructure for our Working Groups to develop high quality EUROCAE Documents and act as liaison between the governing and technical body as well as for our members of EUROCAE.

Technology in Aviation, on ground and in the air, is developing fast EUROCAEs standards are providing the runway for take-off. EUROCAE and the Secretariat crew is ready for departure and will cruise with our members with maximum continuous trust to fulfil the mandate.

Christian Schleifer-Heingärtner  
Secretary General



# News from EUROCAE

## EUROCAE Technical Advisory Committee

Luc Deneufchâtel has been a member of the TAC since its creation in 2000 and has chaired it since January 2005.



*Award given to Luc by President Bernard*

Under his leadership the TAC has developed to be an essential part of the EUROCAE structure, and a significant advisory body for both the EUROCAE Council and Secretariat. Thanks to his dedication and efforts numerous initiatives have been launched and implemented, for new EUROCAE technical activities, as well as for the improvement of already existing ones and of the EUROCAE system as a whole. He will retire from DSNA in January 2015, and is therefore not able to continue as TAC chairperson.

The Council has appointed Hugues Meunier, Thales Avionics, as new TAC chairperson effective as of 1 January 2015.

In addition the following new TAC members have been appointed by the EUROCAE Council in 2014: Mr. Jean-Marc Loscos, DSNA, Mr. Eric Bouchard, Dassault Aviation and Mr. Hervé Kerhoas, Airbus will join the TAC as of its next meeting in December.

## **Message from Luc Deneufchâtel (DSNA) former TAC chairperson**

I had the chance to join the EUROCAE Technical Advisory Committee adventure right from its start in 2000.

The first 5 years were under the leadership of John McIntyre. I took over the TAC chairperson responsibility in 2005. It is now my pleasure to leave this duty to Hugues Meunier, recently appointed by the Council.

After 15 years, TAC has demonstrated its key role in the EUROCAE development and also its significant contribution to consolidate EUROCAE international recognition.

The strengths of TAC came from the quality and complementarity of the team. TAC members bring together multiple competencies that cover the full scope of EUROCAE activities. Despite of the normal turnover of TAC members during these years, TAC has always benefited from a wide skill of expertise and from the sharing of a common context understanding.

The core historical domains of EUROCAE in standard development, airborne system and equipment MASPS and MOPS and system engineering and development processes remain the basic references as Acceptable Means of Compliance for airworthiness authorities.

Within the last 10 years a new domain of activities appeared as a direct consequence of the launches of various R&D programmes in Europe (i.e. SESAR), in the USA (NextGen) and in other parts of the world (e.g. CARATS in Japan) for Air Traffic Management modernisation to improve its efficiency and the satisfaction of the future aviation community needs.

This extension of the historical scope of EUROCAE to the ATM domain has forced the TAC to develop and use internal tools to facilitate the identification of future standardisation needs and the actual role of EUROCAE among the other partners. Two main tools have been used within the TAC to support this objective:

- the development of Strategic Lines of actions
- setting up of a Technical Work Programme with a yearly update

# News from EUROCAE

## EUROCAE Technical Advisory Committee

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### Strategic Line (SL):

The objectives of each SL (i.e. 10 SL) are:

- to cover a complex standardization domain
- to provide a common understanding of the context within which future activities could take place (SESAR R&D activities with their expected results delivery dates, ICAO initiatives, EASA new potential Rule making item, ..),
- to identify the EUROCAE contributions to the domain and the dependencies with the other entities contributing to the domain (e.g. SESAR Joint Undertaking),
- to select the most appropriate working structure (i.e. adding a new task to an existing WG or to set up a new one).

For the complex domains covered by a Strategic Line, the resulting analysis is facilitating the timely decision making process to initiate new activities.

### Technical Work Programme (TWP):

The TWP is an essential tool to support the EUROCAE medium and long terms vision and strategy. It provides an anticipated view of the potential future activities and their dependencies with activities external to EUROCAE. These future potential activities provide also new axis for EUROCAE business development. The TWP is also a key communication tool for EUROCAE providing a synthetic and consolidated view of the EUROCAE contributions to standard needs in the coming years that de facto reinforces the image and credibility of EUROCAE. This communication tool objectives are:

- in Europe, to demonstrate the key role of EUROCAE in achieving the of the Single European Sky objectives
- in the USA to provide a baseline to consolidate with RTCA a common vision of standardization needs
- worldwide to promote EUROCAE as a key contributor to ICAO activities for an ATM stepwise evolution scheme (described within the Global Air Navigation Plan) approved by the ICAO member States

After 15 years of continuous commitment of its members, TAC has strengthened its role and become a very efficient technical management organisation, contributing to the EUROCAE's strong international recognition and image. Today EUROCAE appears as a very pro-active organisation thanks to the willingness of its members to deliver the industry necessary standards in the most efficient and timely manner.

It has been my privilege to contribute actively to these achievements with the strong support of my TAC partners. I wish Hugues Meunier, the new TAC chairperson, all the best and success to continue in this spirit for a strong international recognition and the positive image of EUROCAE.

Luc Deneufchâtel

# EUROCAE High Level Event & 51st General Assembly

**Brussels, 21 November 2014**

Almost 100 representatives of EUROCAE members and stakeholder met in Brussels for the first EUROCAE High Level Meeting and 51<sup>st</sup> General Assembly.

The morning was dedicated to key notes from executives and high profile round table discussions on the European and Global Standardisation Strategy.



High level representatives of the European Commission, EASA, SJU, European Defence Agency, ICAO, EUROCONTROL and RTCA, but also of IATA, CANSO and the industry stressing their commitment and support to EUROCAE and the important role of this leading Standard Developing Organisation of worldwide cooperation in the development of standards.

During the round table discussions, EUROCAE's leading role as focal point in the coordination of European aviation standards was claimed. It was stressed that harmonisation of the standardisation

activities on a European level becomes increasingly important and that the newly established EASCG (European ATM Standards Coordination Group) is expected to play a prominent role to that effect.

Through the close cooperation with RTCA the worldwide perspective of aviation is represented in the EUROCAE work. It brings together the aspects of SESAR and NEXTGEN, the two major ATM development programs.

Jean-Paul Platzer, EUROCAE President said in his opening speech: "Two major Air Traffic Management programs, SESAR in Europe and NEXTGEN in Unites States are ready to deploy new technologies to improve Air Traffic efficiency and capacity. The Global Standardisation Strategy to insure interoperability is key to secure those deployments. EUROCAE remains totally committed to be the focal in Single European Sky and SESAR standardisation as well as to grow the role of EUROCAE in aviation standardisation at global level."



A highlight of the event was the signing of the Memorandum of Cooperation between EUROCAE represented by its President, Jean-Paul Platzer - and RTCA - represented by its President, Margaret Jenny. This MoC provides the organisational framework for a long lasting cooperation that became increasingly important over the years. Both parties pledged their dedication for the continuation of this Trans-Atlantic cooperation.

# EUROCAE High Level Event & 51st General Assembly



*Eric Bernard*

The afternoon was dedicated to the 51<sup>st</sup> General Assembly followed by the 280<sup>th</sup> Council meetings.

The General Assembly confirmed the report of the Chairman of the Council, including the EUROCAE Strategy, the financial results as well as the membership fee ceiling remaining unchanged (6300€). Two other main responsibilities of the General Assembly are the election of the Council members and a new EUROCAE President was elected, following the outgoing President Jean-Paul Platzer. Mr. Eric Bernard, nominated by Dassault Aviation was unanimously elected by the Assembly.

The newly constituted Council met immediately following the General Assembly and Mr Bernard first duty was to chair this Council meeting until the new Council Chairperson was elected and took over.

The Council elected its leaders as follows:

Chairperson: Mr. David Hawken, NATS Ltd.

Vice-Chairperson: Mr. José Antonio Calvo Fresno, SESAR Joint Undertaking

Treasurer: Mr. Bruno Ayrál, Thales Air Systems.

## **New Elected Council members:**

At the 51<sup>st</sup> General Assembly, Council members were elected.

AIRBUS	Jean-Christophe ALBOUY
AUSTROCONTROL	Christian SCHEIFLINGER
DASSAULT AVIATION	Marie-Hélène FOUCHE
DFS GmbH	Ralf BERTSCH
DSNA	Patrick SOUCHU
EASA	Pascal MEDAL
FREQUENTIS AG	Michael HOLZBAUER
EUROCONTROL	Peter GREEN
GE Aviation Systems	Chris OVENDEN
INDRA SISTEMAS S.A.	Francisco SANCHEZ ROMERO
NATS LTD	David HAWKEN
QINETIQ	Rod HOWELL
ROCKWELL COLLINS France	Xavier BARICHARD
SESAR JU	José Antonio CALVO FRESNO
THALES AIR SYSTEMS	Bruno AYRAL
THALES AVIONICS	Joseph HUYSSSEUNE





# EUROCAE High Level Event & 51st General Assembly

## EUROCAE and RTCA sign Memorandum of Cooperation

On 21 November 2014, EUROCAE and RTCA have signed a Memorandum of Cooperation, formalizing the relationship of the two standard developing bodies to strengthen the collaboration and harmonization between standards in the United States and Europe.

EUROCAE and RTCA will continue working closely at an increasingly important time, as over half of the standards work programs are worked jointly between the two organizations. The increased size, complexity and diversity of the global air transportation system have generated the need to redouble efforts to work together to identify and resolve issues and leverage opportunities in a harmonized fashion.

"Reflecting on our 40-year constructive partnership, this formal agreement strengthens our joint commitment to develop harmonized industry performance standards that support interoperability in this increasingly interconnected global industry" said Margaret Jenny, President of RTCA.

Christian Schleifer-Heingärtner, acting Secretary General of EUROCAE, noted that the EUROCAE/RTCA Memorandum of Cooperation is on the very top of the list of strategic objectives for the organization: "This agreement is timely in reinforcing and further formalizing the collaboration between EUROCAE and RTCA as the global aviation challenges become more complex and we see this as our contribution to worldwide harmonization and global interoperability."



*EUROCAE President, Jean-Paul Platzer and RTCA President, Margaret Jenny, at the signing ceremony.*



# News from the Working Groups

## EUROCAE WG Awards

On 21 November 2014, EUROCAE acting Secretary General, Christian Schleifer-Heingärtner, honoured Philippe Plantin de Hugues, BEA (Bureau d'Enquêtes et d'Analyses pour la sécurité de l'aviation civile), the French authority responsible for safety investigations into accidents or incidents in civil aviation, for his long standing dedication and support to EUROCAE and its goals. He said: "Over the last almost 20 years, Philippe has participated in and led a number of important EUROCAE activities in the area of flight recording requirements. Thanks to his contributions and leadership, these WGs developed EUROCAE Documents that are today recognised worldwide as the relevant standards for flight recording. As a member and a WG leader he played and continues to play a leading role to inspire many other members to step up and contribute."



Starting with the award to Philippe Plantin de Hugues in 2014, EUROCAE would like to recognize each year one WG Leader or Member, who has demonstrated excellent leadership skills and/or contributed significantly to the success of WG activities, and whose dedication and enthusiasm has helped the WG move forward. This recognition is of enormous value to EUROCAE, as all of the workforce and resources are coming from our members, and WG members are playing an essential role towards the achievements of not only their own WG's deliverables and objectives, but contributing significantly to the success of the EUROCAE organisation as a whole.

We are looking to give this award to an outstanding WG member, who has demonstrated outstanding dedication, effort and respect for EUROCAE's principles. The 2015 Award will be presented during the EUROCAE Symposium 2015, which will take place on 29 & 30 April in Rome.

We would therefore like to invite all members and stakeholders to send nominations for consideration by the selection committee to [anna.vongroote@eurocae.net](mailto:anna.vongroote@eurocae.net) **before 31<sup>st</sup> January 2015**.

## WG-76 "AIS/MET Datalink Applications" Reactivated

WG-76 "AIS/MET Datalink Applications" was reactivated earlier in 2014, and the Kick-Off meeting was held on 27 and 28 March 2014 at the EUROCAE premises at Malakoff. Boris Resnick, IANS, was appointed as Chairman, Stephane Paris, Airbus, assumed the role of the Working Group Secretary. Participation in the Kick-Off meeting was good.

In a first phase the WG will develop a EUROCAE Report on the planned future activities which will result in an updated Terms of Reference (TOR). Both documents are expected to be available by the end of 2014.

After having been dormant for some years, recent developments in SESAR projects working in this area lead to potential standardization activities for the WG with respect to services to be developed for the exchange of AIS and MET information via datalink. It is the WG's task to evaluate the SESAR results and the corresponding documentation with respect to their maturity and applicability for the development of potential standards.

Since RTCA has continued work on this topic with their Special Committee SC-206 while WG-76 was dormant, one of the WG's tasks is also to evaluate future cooperation with SC-206. Also potential cooperation with other EUROCAE WGs, such as WG-51 *ADS-B* or WG-78 *Standards for Air Traffic Data Communication Services* will have to be considered by WG-76.

# News from the Working Groups

## **EUROCAE WG-78 “Standards for Air Traffic Data Communication Services” – EUROCAE and RTCA Publish Fundamental Data Communication Documents**

After seven years of collaborative work by EUROCAE WG-78 and RTCA SC-214, EUROCAE and RTCA have jointly published a set of standards defining data link communications for Air Traffic Services (ATS) in support of SESAR and NextGen:

ED-228/DO-350, *Safety and Performance Standard for Baseline 2 ATS Data Communications*

ED-229/DO-351, *Interoperability Requirements Standard for Baseline 2 ATS Data Communication*

ED-230/DO-352, *Interoperability Requirements Standard for FANS 1/A Accommodation in an ATS Baseline 2 Environment (FANS 1/A – ATS Baseline 2 Interop Standard)*, and

ED-231/DO-353, *Interoperability Requirements Standard for Baseline 1 Accommodation in an ATS Baseline 2 Environment (ATS Baseline 1 – ATS Baseline 2 Interop Standard)*.

In particular, this set of standards defines the Baseline 2 Safety, Performance and Interoperability requirements for ATS supported by data communications.

The recent release of the standards marks a milestone in the collaboration between EUROCAE and RTCA. The development of the documents was a joint effort with substantial contribution from both parties.

In a next step WG-78 and SC-214 will work on enhancing the standards with the definition of three new services (Dynamic RNP, Advanced FIM and ATC Winds) requested by the Federal Aviation Administration (FAA). Target date for the completion of this work is December 2015. To secure the overarching objective to finally get global harmonization of data link communications for Air Traffic Services (ATS), continued teamwork by WG-78 and SC-214 is key and support from both sides of the Atlantic is essential.



## **EUROCAE WG-81 “Interoperability of ATM Validation Platforms” – New chairman**

Fabrice Candia, Airbus, who had lead the WG since 2011, resigned as chairman of WG-81 earlier this year and stepped down during the 23<sup>rd</sup> WG-81 meeting, held on 19 and 20 March 2014 in London. Anna von Groote, EUROCAE Technical Program Manager, attended this meeting and presented Fabrice Candia with an award to thank him for his efforts and dedication in leading this important activity within EUROCAE. She recognized in particular the achievement realized with the publication of ED-147 “ATM simulators interoperability requirement specification” in 2013.

The new chairman of WG-81 is Thomas Damm, DFS, who has been actively participating in WG-81 since its creation in 2008 as well as in the relevant SESAR projects.

WG-81 is now working mainly on the development of ED-148 “ATM Simulators Interoperability Process Guidance”, which shall support the usage of ED-147.



Thomas Damm

# News from the Working Groups

## EUROCAE WG-82 “New Air-Ground Datalink Technology” – New activity

EUROCAE WG-82 has successfully started a new activity on satellite communications. The kick off meeting for this new activity took place on 8 July 2014. Armin Schlereth, DFS, will continue to chair this work, and is supported by Paolo Burzigotti, ESA, as Secretary.

The work will be carried out in close cooperation with the European Space Agency (ESA), as well as with EUROCONTROL, ANSPs and industry partners, as well as in close coordination with the relevant SESAR projects.

The WG is set to develop minimum aviation system performance specifications (MASPS) as well as minimum operational performance specifications (MOPS) within the next years.

## EUROCAE WG-98 “Aircraft Emergency Locator Transmitters (ELT)” – Specifications for Second Generation ELTs triggered In-flight

By Philippe Plantin de Hugues, BEA, Chairman EUROCAE WG-98



A number of fatal accidents have occurred over water, including the Air France flight AF447, in which flight data and cockpit voice recorders have been very long and expensive to recover. At the time this article was written, five weeks after the disappearance of Malaysia Airways flight MH370, the aircraft and the flight recorders have not been yet localized.

As the long or non-recovery of recorders greatly reduces the likelihood of the actual cause of these accidents being discovered, and in order to improve the recovery of wreckage and flight recorders following an accident or incident, ED-62A *MOPS for aircraft emergency locator transmitters (406 MHz and 121.5 MHz – optional 243 MHz)*, published in 2009, has to be updated to determine performance standards for second generation Emergency Locator Transmitters (ELT). Cospas-Sarsat is implementing a new MEOSAR (Medium Earth Orbit - Search And Rescue) system that will significantly improve the timeliness and accuracy of alerts provided by second generation ELTs.

In addition, at the international level, Working Groups led by the French BEA (Bureau d'Enquêtes et d'Analyses) in the framework of the AF447 investigation have demonstrated that triggered transmission of flight data, when an emergency situation is detected in flight, is a good potential solution to localize the position of an accident. The transmission will be triggered by criteria based on the attitude of the aircraft or security issues.

An ICAO panel is working on a proposed amendment to ICAO Annex 6 *Operation of Aircraft* in order to produce a standard or recommended practices for the localization of an aircraft.

Prior to these requirements, there is a need to improve ED-62A for second generation ELTs and to develop a MASPS (Minimum Aviation System Performance Specification) covering the function that would trigger the ELT transmission, defining some high level concepts and the typical functional interface requirements between the ELT and the emergency triggering element.

A joint Working Group, EUROCAE WG-98 and RTCA SC-229, has been created to improve ED-62A and develop the MASPS. The initial Terms of Reference were approved by the EUROCAE Council on 5 July 2013 and the Kick-Off was held at EUROCAE on 27 and 28 November 2013. The first joint meeting with SC-229 was held at RTCA from 10 to 13 March 2014.

# News from the Working Groups

## EUROCAE WG-99 "Portable Electronic Devices (PEDs)"

On 2 April 2014, the EUROCAE Council approved the creation of EUROCAE WG-99 "Portable Electronic Devices (PEDs)".

In December 2006, ED-130 *Guidance for the Use of Portable Electronic Devices (PEDs) On Board Aircraft*, prepared by Working Group 58 *Passenger Electronic Devices*, was published. Since then, ED-130 has been accepted by EASA as a source of certification guidance material for PEDs and T-PEDs. With regard to gate-to-gate use of PEDs the FAA and EASA consider new methods which are not yet part of standardization. Furthermore new communication standards have been developed since the publication of ED-130 in 2006. Therefore, WG-99 has been created to update ED-130 to reflect industrial development and industry experience in order to accommodate the demand for the continuous use of PEDs on board.

The kick off meeting of EUROCAE WG-99 was held on 9 July 2014. Stephan Schulte, Lufthansa-Technik, and Robert Keibel, Airbus, were appointed as co-chairmen of the WG, Nuria Riera, Triagnosys, was elected as secretary of the WG.



## EUROCAE WG-100 "Remote and Virtual Towers (RVT)"

On 2 April 2014, the EUROCAE Council approved the creation of EUROCAE WG-100 "Remote and Virtual Towers".

The objective of WG-100, in accordance with its Terms of Reference, includes the development of EUROCAE documents for Remote and Virtual Towers initially focusing on Minimum Aviation System Performance Specifications (MASPS) for Visual Surveillance for use in Remote and Virtual Towers. WG-100 will also assess available results (e.g. SESAR, DFS, LFV, etc.) regarding RVT elements and develop a comprehensive report regarding possible future EUROCAE activities in this area.



Initial work in SESAR and by dedicated airports and ANSPs, has resulted in stakeholders interests in introducing Remote and Virtual Tower services. This interest has indicated a need to standardise the visual surveillance component of this service.

The ICAO ASBUs (B1-RATS) also cover Remotely Operated Aerodrome Control with the objective to provide safe and cost-effective air traffic services (ATS) from a remote facility to one or more aerodromes where dedicated, local ATS are no longer sustainable or cost-effective, but there is a local economic and social benefit from aviation operations.

The kick off meeting, joined by over 30 participants, was held on 10 and 11 July 2014. Jörn Jakobi, DLR, was appointed as chairman of the WG, and Mariann Hintz, EUROCONTROL, accepted the secretariat.

# News from the Working Groups

## EUROCAE Working Group Chairpersons Club 2014

The 2014 meeting of the EUROCAE Working Group Chairpersons Club took place in 2 sessions earlier this year, at the EUROCAE headquarters in Malakoff, France. It was attended by more than 20 WG Chairmen and Secretaries.

At this 2014 meeting of the EUROCAE Working Group Chairmen's Club, the EUROCAE General Secretariat presented the 'Toolbox', which is in fact a set of guidance documents intended to support WG Chairmen and Secretaries in the management of their WG and in the development of EUROCAE deliverables. The following documents were approved by the EUROCAE Council in November 2013:

- Guidance Notes on the Organisation and Operation of EUROCAE WGs
- Guide to the Drafting of EUROCAE Documents
- A series of supporting templates, in particular the ED Template

The presentation was followed by a discussion on the above documents as well as on the WG leaders' experiences.

A particular focus was put on the relationship between EUROCAE WGs and SESAR projects, due to the increasing need for interaction between WGs and projects, but also for exchange of information and documentation. A process, presented by José Calvo Fresno, Chief Regulatory Affairs at the SJU, was put in place between the EUROCAE General Secretariat and the SESAR JU to manage this relationship.

Feedback from the participants indicates that the initiative to bring Chairpersons and Secretaries of WGs together to exchange experience is considered as extremely useful. Benefitting mutually from this information exchange is a very effective way to improve the processes within the WGs.

The next meeting of the EUROCAE Working Group Chairpersons Club is currently under preparation. Dates will be announced in early 2015.



# Upcoming WG meetings

WG	Title	Date	Location
WG-28	GNSS	27-28/01/2015	Malakoff, EUROCAE
WG-41	A-SMGCS	10-12/02/2015	Cologne, EASA
WG-59	Flight Data Processing (FDP) Interoperability	13/02/2015	Webex
WG-63	Complex Aircraft Systems	09-13/02/2015	Hamburg, AIRBUS
WG-73	Unmanned Aircraft Systems	09-12/02/2015	Brussels, EUROCONTROL
WG-75	Traffic Alert and Collision Avoidance Systems (TCAS)	13-15/01/2015	Washington, RTCA
WG-81	Interoperability of ATM Validation platforms	21-22/01/2015	Malakoff, EUROCAE
WG-96	Wireless OnBoard Avionics Network (WOBAN)	13-15/01/2015	Hamburg-Harburg, SILVER ATENA
WG-98	Aircraft Emergency Locator Transmitters (ELTs)	13-15/01/2015	Washington, RTCA
WG-99	Portable Electronic Devices	14-15/01/2015	Hamburg, LUFTHANSA Technik
WG-100	Remote & Virtual Tower (RVT)	27-29/01/2015	Vienna, AUSTROCONTROL

# Latest publications

EUROCAE Documents (ED) are developed by Working Groups bringing together renowned experts in their area, and following a well-established process. They are often developed jointly with our international partners and recognized worldwide for their high quality and as state of the art technical specifications.

These EDs can be system or equipment performance specifications, safety and performance requirements, interoperability requirements, technical specifications or guidance material. Some documents are dedicated to the airborne side, others to the ground side (mainly CNS and ATM), while others cover common air and ground requirements.

EDs are widely referenced as a means of compliance to regulatory documents by EASA, EUROCONTROL, the European Commission and ICAO.

## Recent publications:

ED-224	MASPS for Automatic Flight Guidance and Control System coupled to TCAS	WG-75
Change 1 to ED-110B/ DO-280B	Interoperability Requirements Standard for Aeronautical Telecommunication Network Baseline 1 (ATN B1 Interop Standard)	WG-78/SC-214
Change 1 to ED-92B (similar to DO-281B change 1)	Minimum Operational Performance Standards (MOPS) for Aircraft VDL Mode 2 Physical Link and Network Layer	WG-92
ED-228/ DO-350	Safety and Performance Standard for Baseline 2 ATS Data Communications	WG-78/SC-214
ED-229/ DO-351	Interoperability Requirements Standard for Baseline 2 ATS Data Communication	WG-78/SC-214
ED-231/ DO-353	Interoperability Requirements Standard for Baseline 1 Accommodation in an ATS Baseline 2 Environment (ATS Baseline 1 —ATS Baseline 2 Interop Standard)	WG-78/SC-214
ED-230/ DO-352	Interoperability Requirements Standard for FANS 1/A Accommodation in an ATS Baseline 2 Environment (FANS 1/A —ATS Baseline 2 Interop Standard)	WG-78/SC-214
ED-232 / DO-348	SPR for Traffic Situation Awareness with Alerts (TSAA)	WG-51/SC-186
ED-233/ DO-354	Safety and Performance Requirements Document for CDTI Assisted Visual Separation (CAVS)	WG-51/SC-186
ED-204/ DO-355	Information Security Guidance for Instructions for Continuing Airworthiness	WG-72/SC-216
ED-202A/ DO-326A	Airworthiness Security Process Specification	WG-72/SC-216
ED-194A/ DO-317B + Supplement	MOPS for Aircraft Surveillance Applications (ASA) System	WG-51/SC-186
ED-75D/ DO-236 change 1	Minimum Aviation System Performance Standards: Required Navigation Performance for Area Navigation	WG-85/SC-227

For further information on EUROCAE publications, please go to <https://www.eurocae.net/publications/>





# EUROCAE Training

## Official 2015 training dates

The dates for the 2015 training sessions have been set up by the EUROCAE Secretariat, in cooperation with our trainers.



For 2015, EUROCAE has teamed up with the best experts in their fields, to provide members of the aviation community with high-quality training courses. EUROCAE offers training courses on the following documents:

Course	Partner	Date	Place	Price	
				Member	Non-Member
<b>ED-12C (DO-178C)</b> Software Considerations in Airborne Systems and Equipment Certification	ACG	08-10/04/15 07-09/10/15	Malakoff, EUROCAE	1 650 €	1 950 €

<b>Supplements to ED-12C (on demand)</b>					
<b>ED-215 (DO-330)</b> Software Tool Qualification Considerations	ACG	04/11/2015	Malakoff, EUROCAE	550 €	650 €
<b>ED-216 (DO-333)</b> Formal Methods Supplement to ED-12C and ED-109A	ONERA	05-06/11/15	Malakoff, EUROCAE	1 100 €	1 300 €
<b>ED-217 (DO-332)</b> Object-Oriented Technology and related techniques supplement to ED-12C and ED-109A	Adacore/DOSoft	14-15/10/15	Malakoff, EUROCAE	1 100 €	1 300 €
<b>ED-218 (DO-331)</b> Model-Based Development and Verification Supplement to ED-12C and ED-109A	DOSoft	12-13/10/15	Malakoff, EUROCAE	1 100 €	1 300 €
<b>ED-12B vers ED-12C</b> Changes and Improvements	ACG/DOSoft/Apsys	22-23/09/15	Malakoff, EUROCAE	1 100 €	1 300 €

<b>ED-14 (DO-160)</b> Environmental Conditions and Test Procedures for Airborne Equipment	GERAC	06-07/10/15	Toulouse, GERAC	1 100 €	1 300 €
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For more information and details about the training activity of EUROCAE, please contact EUROCAE (eurocae@eurocae.net).



# Welcome to the new EUROCAE Members in 2014

EUROCAE currently has around 170 members worldwide, including industry, international organisations, air navigation service providers (ANSPs), national regulatory authorities, aircraft and equipment manufacturers as well as airports and research institutes.

EUROCAE Membership offers a number of benefits (depending on membership category). Participation to EUROCAE activities is an opportunity to be aware of and to work on the most recent technologies, systems and/or equipment as well as to be informed about the latest regulatory evolutions and requirements.

In 2014, EUROCAE welcomed the following new members:

ACR Electronics, Inc.	USA	
AERO UDARA RESOURCES	Malaysia	
Aerospace Vehicle Systems Institute (AVSI)	USA	
AIREON LLC	USA	
ARTAL Technologies	France	
AVEILLANT	UK	
CELAB S.r.l.	Italy	
Cranfield University	UK	
Deutsche Lufthansa AG	Germany	
DONNITHORNE-TAIT Dewar	UK	
Flughafen Berlin Brandenburg GmbH	Germany	
Fundação CPqD	Brazil	
General Atomics Aeronautical Systems, Inc.	USA	
HITACHI, Ltd	Japan	
HungaroControl	Hungary	

# Welcome to the new EUROCAE Members in 2014

Instrumar Limited

Canada



Lucerne University of Applied Sciences and Arts

Switzerland



Météo France

France



Military Aviation Authority (MAA)

UK



National Radio Telecommunication Corporation

Pakistan



Non-Profit Partnership "Union of Aviation Industrialists"

Russian Federation



NPP CRTS

Russian Federation



Panasonic Avionics Corporation (PAC)

USA



RETIA, a.s.

Czech Republic



ROCKWELL COLLINS France

France



SEPTENTRIO NV

Belgium



Shenyang AeroTech Co., Ltd

China

STRATECH SYSTEMS Ltd

Singapore



Think Research Ltd

UK



For further information on EUROCAE membership and to join as a new full or limited member please go to <https://www.eurocae.net/organisation/join/>



**EUROCAE Symposium  
&  
52<sup>nd</sup> General Assembly**

***The strategic role of  
standards in the aviation  
industry***

**29-30 April 2015  
Rome, Italy**