

Seminar on DO-178C airborne safety regulation standard

by Esterel Technologies, Mistral Solutions, and LDRA Software Technology



Mr. Anees Ahmed, Chairman,
Mistral Solutions speaking at the DO-178C Seminar

Esterel Technologies, LDRA and Mistral Solutions arranged a seminar on “DO-178C Airborne Safety Regulation Standard” at the Hotel Royal Orchid, Bangalore on Friday, 20th April 2012. The seminar addressed questions like “What’s New Compared to DO-178B?” and “How to Comply with DO-178C?”

DO-178B air worthiness regulation has been in force since 1992, driving the certification process of most civilian aircrafts and systems. Given the technology evolution, new design tools and inputs and constraints from all stakeholders (airframers, system suppliers, design tool supplier and certification authorities), a DO-178C initiative

was launched in 2007 to update DO-178B, according to new design methodologies. DO-178C was approved by the committee in December 2011 and has been released in 2012.

The seminar was attended by nearly 200 participants from DRDO Labs, Defense PSUs and Corporate from organizations like, ADE, ADA, BEL, CEMILAC, LRDE, Safran Engineering, Wipro HAL, Honeywell, L&T, Rayon Technologies, CABS among others, who are actively involved in developing airworthy applications in the defense and commercial aerospace domain.

This is the first seminar in India conducted on the DO-178C standards, and gave the audience a heads-up on the new standard, its benefits and the methodology to about achieving it.

DO-178C is now becoming the de-facto standard for upcoming aerospace programs and all upcoming programs in India like the NCA-90 (National Civil Aircraft), AMCA (Advanced Medium Combat Aircraft) and many more, may need to comply to this standard.

The key speaker at the seminar, Bernard Dion (PhD), is the co-founder and CTO of Esterel Technologies, and has been involved since the beginning with the DO-178C committee as the Secretary of one of the Technical Sub-Groups (SG3: Tool Qualification). Furthermore, Bernard Dion has been heavily involved with numerous DO-178B software certifications with customers worldwide and various certification authorities such as FAA, EASA, Transport Canada, ANAC

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Mr. Bernard Dion, CTO Esterel Technologies.
presenting at the DO-178C Seminar

and CAAC.

Esterel Technologies is the leading provider of critical systems and software development solutions for the aerospace, defense, rail transportation, nuclear, and industrial domains.

System and software engineers use Esterel's SCADE® solutions to graphically design, verify, and automatically generate critical systems and software applications with high dependability requirements. Bernard's presentation covered topics like "Tools Qualification in DO-178C", "Model Based Design in DO-178C", "Testing activities in DO-178C", "Typical certification milestones with FAA & EASA" among others.

LDRA has developed and driven the market for software that automates code analysis and software testing for safety-, mission-, security- and business-critical markets. The presentation also included talks by LDRA and Esterel on achieving DO-178C certification using LDRA and SCADE tools.

Mistral Solutions also showcased its capability in design and development catering to DO178B standards.



Participants at the DO-178C seminar



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