

Title	DO-178C/ED-12C and DO-278A/ED-12A TRAINING COURSE
Duration:	Two Days
Objective(s):	To teach the attendees how to develop and verify aeronautical software to DO-178C/ED-12C and CNS/ATM, Ground and Space software to DO-278A/ED-12A. Additionally, to show the attendees how the supplements to these documents provide additional guidance for tool qualification, model-based design, object-oriented programming and formal methods can be applied.
Description:	<p>On this two-day course, attendees will discover:</p> <ul style="list-style-type: none">• How to develop and verify software to satisfy the objectives of DO-178C/ED-12C and DO-278A/ED-12A:<ul style="list-style-type: none">▪ What is the difference between high-level requirements and low-level requirements?▪ What does DO-178C/ED-12C mean by requirements-based testing?▪ What is modified condition/decision coverage (MC/DC)?▪ What is analysis of data coupling and control coupling?▪ What are Parameter Data Items, and when would you use them?▪ What data is required to be produced (plans, design, records) & how is it to be controlled?▪ How is compliance determined and evidenced?• How to make use of the supporting information in DO-248C/ED04C.• What additional subjects are addressed in DO-278A/ED-109A.• How to develop and verify software tools to satisfy the objectives of DO-330/ED-215• What's in the supplement DO-331/ED-216 on Model-Based Development and Verification?• What's in the supplement DO-332/ED-217 on Object-Oriented Technology and Related Techniques (OOT&RT)?• What's in the supplement DO-333/ED-218 on Formal Methods?• How the Stage of Involvement (SOI) review process is applied and what the resultant data comprises.
Methods:	Training is classroom based with spoken presentations against a series of PowerPoint presentations. Trainees will be provided with an electronic version of the slides in a PDF file.
Target Group:	This two-day course is aimed at software engineering and assurance staff who have limited or no previous experience of DO-178B or the associated documents. If you already know DO-178B and just want to know what's changed in DO-178C, then you will be interested in our 1-day DO-178C Migration course.
Trainers:	The course is presented by Ross Hannan, Nick Tudor and Dewi Daniels, who were all active members of SC-205/WG-71, the committee that prepared DO-178C and associated documents.
Cost:	£800 plus VAT
Provider:	Aeronautique Associates (www.aeronautique-associates.com) Aeronautique Associates Limited Grangeside Business Support Centre 129 Devizes Road Hilperton Trowbridge BA14 7SZ England info@aeronautique-associates.com