

CERTIFICATION OF SOFTWARE (DO-178 B - C)

DELTA CLASS (DIFFERENCES)

This one-day course is tuned for the software engineer familiar with DO-178B and facing compliance with DO-178C for the first time. This short class focuses on examining the changes and comparing the differences between DO-178B and DO-178C.

[Understand the context of DO-178C changes with respect to federal regulations and adjacent policy](#)

[Identify and explore the changes in "C" versus DO-178B](#)

[Understand the new supplements and how and when to use them](#)

[Compare DO-278A and DO-248C to DO-178C](#)

[Review real examples and obtain free templates for project use](#)

Since 2000, Tammy Reeve, President of Patmos Engineering Services, has been helping applicants with DO-178 compliance. From both her DO-178 auditing experience, FAA training experience, and direct participation in the SC-205 committee, Tammy developed this course offering for new DO-178C applicants.

Today, Tammy has taught her DO-254 and DO-178 courses to over 40 companies around the globe. The feedback has been overwhelmingly positive.

"Tammy's desire to stay current is impressive. She actively seeks out collaboration and projects to increase her understanding of both guidance material and advancing technologies."

Karen Brack, Airborne Electronic Hardware Engineer, The Boeing Company

Patmos offers this and several other industry leading compliance training courses, which can be delivered on-site or on-line, and can be tailored to your specific needs. You can also pair these classes with any other Patmos offering (such as a process "Gap Analysis") for a fully customized services package.

KNOWLEDGE
INTEGRITY
EFFICIENCY

DO-178 B-C Training Outline

1. Software Certification Related Information
 - Regulation and Policy
 - Safety Analysis and Deriving DALs
 - FAA AC20-115C and EASA AMC 20-115C
 - EASA CM SWCEH-002
 - Other Certification Offices
 - Military Application of DO-178C
 - Order 8110.49 chg1
 - CAST Papers
 - Software Job Aid
 - Issue Papers & CRIs
2. Where DO-178B/C Fits in the Certification Process
 - System and Software Process Relationship
 - Purpose and Charter of DO-178C/ED-12C
 - Objectives and Annex A
 - Software Approval Process
3. Changes from DO-178B to DO-178C
 - Summary of Changes
 - Verification of Additional Code
 - Trace Data
 - Parameter Data Items
 - Level D
 - Robustness Requirements
 - System/Software Coordination
 - Deactivated and Dead Code
 - Overview of Supplements
 - DO-330 – Tool Qualification
 - DO-331 – Model-Based Design
 - DO-332 – Object Oriented Technology
 - DO-333 – Formal Methods
3. Changes from DO-178B to DO-178C (Continued)
 - Summary of Changes
 - Verification of Additional Code
 - Trace Data
 - Parameter Data Items
 - Level D
 - Robustness Requirements
 - System/Software Coordination
 - Deactivated and Dead Code
 - Overview of Supplements
 - DO-330 – Tool Qualification
 - DO-331 – Model-Based Design
 - DO-332 – Object Oriented Technology
 - DO-333 – Formal Methods
4. DO-278A and DO-248C
5. Additional Considerations
 - Tool Qualification
 - Previously Developed Software
 - Major and Minor Changes
 - Alternate Methods

No Better Choice than Patmos.