

Qualification Kits

DO-178B / ED-12B
DO-178C / ED-12C
DO330 / ED-124

Sector Brief: Aerospace & Defence

CANTATA

Cantata dynamically proves code with intelligent unit and integration testing, in the most cost effective manner.

It provides a complete test development environment, built on Eclipse, and it integrates easily with developer desktop compilers and embedded target platforms.

Cantata has been successfully qualified many times to DO-178B (levels A and B) avionics projects.

AdaTEST 95

AdaTEST 95 dynamically proves code with intelligent unit and integration testing, in the most cost effective manner.

Designed around the requirements of the Ada language, AdaTEST 95 offers high productivity and a unique set of testing, code coverage analysis and static analysis features.

AdaTEST 95 has been successfully used by customers worldwide since the 1990s to meet the main international safety-related standards, including: DO 178B/C

In this Sector Brief we highlight:

- > A selection of aerospace & defence projects and customers who have successfully used AdaTEST 95 and Cantata to meet their high reliability testing needs
- > The DO-178B, DO-178C and DO-330 standards and how Cantata and AdaTEST 95 support qualification

Projects and Customers

Civil Aircraft Projects

Boeing

- > 737 SFD - Meggit Avionics
- > 757 Civil HUD - Marconi Avionics
- > BR710/715 FADEC - Rolls Royce

Airbus

- > Landing Gear Control - Ultra Electronics
- > Engine Vibration Monitor - Vibrometer
- > Engine Controller - Saab Avionics



The JAS39 Gripen Fighter Aircraft

USA Military Aircraft Projects

C-130J

- > Systems - Lockheed Martin
- > Instrument Displays - BAE Systems
- > Head Up Displays - L3-Communications

European Space Projects

- > XMM/Integral
- > ISS- Columbus and ERA
- > Cassini/Huygens



Airbus A380 Aircraft

Missile Defence Projects

Storm Shadow

- > Marconi
- > Boeing North American



Beagle 2 on the surface of Mars

European Military Aircraft Projects

European Fighter Aircraft

- > Displays and Control Systems - BAE Systems
- > Infra-Red Search & Track - Thales Optronics
- > Digital Map Generator - DASA and EDS



RADARSAT-2

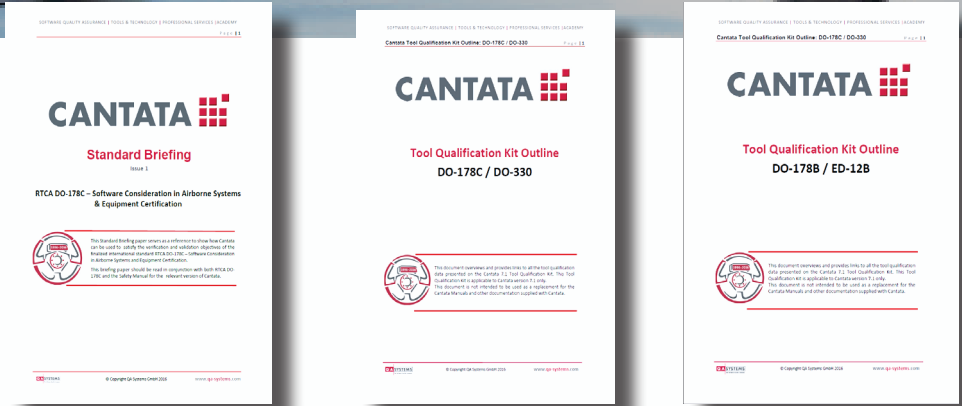
Helicopter Projects

Westland Attack Helicopter-64 'Apache'

- > Mission Planning System - Aerosystem International, Westland Helicopters NH90
- > Flight Controls Display - Thales Avionics

Cantata Tool Qualification Kit

Aerospace & Defence
Customers Include:



- > The Cantata Tool Qualification Kit provides all the necessary qualification data required for Software Verification Tool qualification to DO-178B/ED-12B, DO-178C/ED-12C and DO-330/ED-125, for Software Integrity Levels E to A.

Customer Case Studies

Our Customer Case Studies provide more information on how Cantata and AdaTEST 95 were successfully used by various companies worldwide.



Quicklinks

- > Customer Case Study: Meggitt
- > Customer Case Study: Astrum
- > Customer Case Study: Osys
- > Customer Case Study: BAE Systems
- > Customer Case Study: Lockheed Martin

All Customer Case Studies are available upon request

BAE SYSTEMS

GE Aviation

EADS

ATE

SAAB

MEGGITT

esa

Osys

L3 communications

LOCKHEED MARTIN

Rolls-Royce

ASTRIUM

AdaCore

ROYAL AIR FORCE