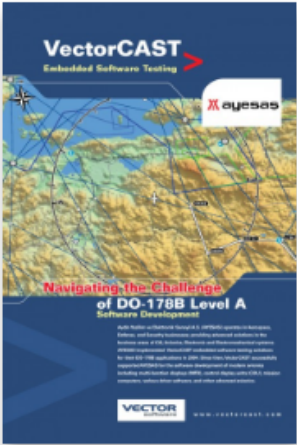# VECTOR >

Navigating the Challenge of DO-178B Level A Software Development

Challenge:

AYESAŞ development team needed to achieve DO-178B Level A certification on their multi-function displays (MFD), control display units (CDU), mission computers, and other advanced avionics in a shortened development cycle.

Solution:

AYESAŞ selected VectorCAST/C++ for unit / integration testing and VectorCAST/Cover for code coverage analysis.

Details:

AYESAŞ is a leading solution provider for the Turkish Defense Industry specializing in the development of Safety Critical Software for Avionics with certification experience per DO-178B Level A, B and C. Software activities include development and verification of Multi Functional Displays, Maintenance Data Computers, Data Concentrator Units, Traffic Collision Avoidance Systems (compliant with DO-185A), Digital Map Generators (compliant with DO-257A) and ADS-B Compliant Mode S Transponder. Major avionics software customers include ACSS, Rockwell Collins, L-3 Avionics Systems, L-3 Display Systems, L-3 EDI, ASELSAN, TUSAS, and Agusta Westland.

AYESAŞ

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