

DEPLOY: VIRTUALIZATION

LEVERAGING ESTABLISHED TECHNICAL EXPERTISE FOR CERTIFICATION SUCCESS

THE CHALLENGE

An OEM supplying an avionics system for military use needs to satisfy the requirements for DO-178C flight safety certification on a tight schedule. The agency requires subject matter expertise in meeting the technical mission criteria for integrated air and missile defense systems.

For success, five process plans must be in place: a plan for software aspects of certification (PSAC), a software development plan (SDP), a software verification plan (SVP), a software configuration management plan (SCMP), and a software quality assurance plan (SQAP).

THE SOLUTION

Leveraging the Wind River® Studio integrated collaboration environment for development and deployment of safe and reliable solutions, the agency can plan and execute all five main certification processes under a single pane of glass.

With a built-in certifiable virtualization runtime based on Wind River Helix™ Virtualization Platform, support for VxWorks® Cert Edition, and education services and subject matter expertise provided by our Customer Success team, the customer will shave years off its systems' functional safety certification processes.

THE RESULTS

Besides meeting compliance with requirements, the final solution will result in a higher-quality differentiated solution with higher reliability levels.



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