

DO 178 C compliant Verification & Validation of Turbofan Jet Engine software

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Summary

Tata Elxsi responsibility is on the Software verification & validation to comply with RTCA/DO-178C of the engine software which is fine tuned for higher fuel efficiency.

Highly reliable Software with fault tolerant design

Scope

- Simulink Model Review
- Code Review of Autogenerated Code and Hand Code
- Unit Testing of software using IBM RTRT
- HIL Testing in dSPACE System using Control Desk/Automation Desk software

Challenges

- V&V compliant with DO-178C Standard
- Cost effective solution

Tools

- ANSYS SCADE
- IBM RTRT

