



DO-254 and DO-178 Certifiability

Abstract

Sital Technology is a leading provider of digital IP cores and software for avionic data bus products. Sital specializes in robust, high reliability implementations of MIL-STD-1553B, ARINC-825/CAN bus, ARINC-429 and EBR-1553 IP cores and accompanying software for both the commercial and defense sectors including aerospace radiation hardened requirements.

DO-254 IPs

Sital has partnered with LogiCircuit, a leading DO-254 certification provider, to create the most cost-effective DO-254 certified IP and DO-178 software option for avionic data bus communication.

Please find the press release here:

<https://sitaltech.com/sital-technology-and-logicircuit-to-provide-do-254-certified-ip-cores-for-avionic-data-buses/>

As part of Sital's relationship with LogiCircuit, customers looking for DO-254 certifiable IP and DO-178 certifiable software can obtain the IP licenses and software from Sital Technology and the DO-254 artifacts from LogiCircuit.

This partnership provides high expertise fusion between LogiCircuit and Sital Technology to support all customer requirements, expedite product development and provide a source of quality and knowledge during the verification process.

DO-254/DO-178 Business Model

1. Licensing the Sital IP and software for DO-254 and DO-178 certifiability.
 - a. For digital IP, VHDL netlist is available from day 1 for development process
2. Licensing (Sponsor/Customer) DO-254 and DO-178 service from LogiCircuit for Sital IP and software
3. Sital and LogiCircuit work to certify the IP and software and deliver the artifacts to the licensee
4. Ordering runtime licenses for certifiable IP from Sital technology.

Additional Resources

[LogiCircuit DO-254 Process](#)