



# 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 IP Cores and DO-178 Software Drivers

[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.

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 cores, 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 cores and software API/library/drivers.
3. Sital and LogiCircuit work together to certify the IP cores 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](#)