![GE Aerospace logo] **GE Aerospace**

Aerospace TSN Workshop

Comprehensive hands-on session for industry professionals

— Immersive 2-day bootcamp for industry professionals with and without previous experience. Designed from a system integrator perspective covering all aspects of time-sensitive networking including standards, design principles, configuration, instrumentation, evaluation, and hands-on experimentation.

Session 1: Comprehensive TSN Tutorial

- Introduction to time-sensitive networking
- Technical deep dive into IEEE 802.1 TSN standards
- Review of aerospace TSN standards
- 4 hour on-site or virtual session

Session 2: TSN Configuration Session

- Overview of relevant TSN configuration standards
- Chronos configuration tool tutorial
- Chronos hands-on training with realistic examples
- 4 hour on-site or virtual session

Session 3: Hardware Demonstration

- TSN implementation over a multi-vendor testbed
- Network engineering and configuration
- Instrumentation and performance evaluation
- 4 hour on-site session

Session 4: Customized User Application

- Hands-on experimentation with TSN testbed
- User defined scenario development and analysis
- Confidential Q&A
- 4 hour on-site session

Workshop **Details**

Options	• Basic 1 day package: includes session 1 and 2 for up to 10 attendees • Advanced 2 days package: includes sessions 1, 2, 3, and 4 for up to 10 attendees (Note: contact sales for on-site and virtual options)
Software included	• Chronos trial license (7 days) • Helios trial license (7 days)
Standards covered	• IEEE Std 802.1AS Time Synchronization • IEEE Std 802.1CB Frame Replication and Elimination • IEEE Std 802.1Q Bridges and Bridged Networks • IEEE Std 802.1Qav Credit-Based Shaper • IEEE Std 802.1Qbv Time-Aware Scheduling • IEEE Std 802.1Qci Per Stream Policing and Filtering • IEEE Std 802.1Qcc TSN Configuration • IEEE Std 802.1Qcw YANG Data Models
Aerospace specific	• IEEE P802.1DP/SAE AS6675: TSN for Aerospace Onboard Ethernet Communications • SAE AS6509: Converged Aerospace Integrated Networks
Hands-on Bootcamp components	• Chronos Toolset • TSN Testbed
Network analysis	• End-to-end scheduling and visualization • Network and link utilization • Latency and Jitter • Traffic visualization • Time synchronization

CHR⊙NOS
Time-Sensitive Networking Toolset

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