

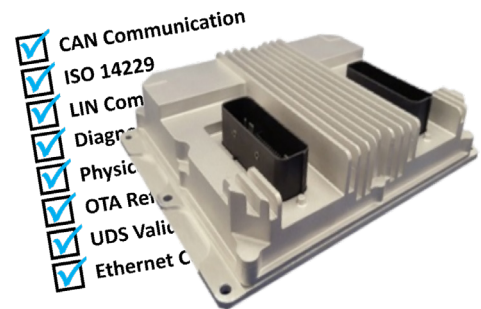
Testing Solutions

Protocol Layer Testing Services

Verifying ECU Communications

Danlaw tests Automotive Electronic Control Units (ECUs) for conformance to the latest OEM communication specifications: physical, data link, network management, transport (diagnostics), session (node management), and application (normal communication/diagnostics).

We provide comprehensive reports in the OEM-prescribed format for tests covering function, diagnostics, and cybersecurity.



Example Specification List

Cybersecurity

- Fuzz testing

GM Standards

- GMW17007/CG3689 GM One Pair Ethernet (OPEN) Device Test Specification Test Procedure
- GMW17313/CG4748 Over the Air Remote Reflash Programming Reliability / Success Validation Plan
- GMW3110/CG2474 GM Diagnostic Infrastructure Validation Procedure-Component level
- GMW17388/CG2999 Software Validation and Verification Process Tasks and Deliverables
- GMW17106/CG3877 GM CAN Physical Layer and Communication Validation Procedure
- GMW14241/GMW3122, GMW3089 Device Test Specification for GMLAN HS, MS, LS CAN Bus Nodes
- GMW 16832 – CG3388, CG3531, CG3687 Unified Diagnostics Services (UDS) Validation Test Procedure
- GMW 16219 Diagnostic Infrastructure Validation Procedure - Component Level
- CG4579 Fuzz Testing Validation Requirements

Toyota Standards

- TSC7222G Standard Test Method for CAN Communication System

ISO/SAE Standards

- SAE J2602/2 Layer 1 LIN Network for Vehicle Applications Conformance Test
- ISO 16845-1 Road Vehicles-Controller Area Network (CAN) Conformance Test Plan, Part 1
- ISO 14229 Unified Diagnostics Services (UDS) - Load, Fault, and Functional DTC/DID

Ford Standards

- Independent Generic Global Diagnostics Specification (GGDS) Testing and Verification (Ford ITV)
 - Part 1 Diagnostics Compliance Test
 - Part 2 Design Verification Plan and Report (DVP&R) Audit
 - Part 3 CAN MUX ECU Level Testing
- 000601.101 AA LIN Physical Layer Testing
- CAN Part 2 Diagnostics Testing

FCA Standards

- FCA 7-Z 0140 Flash-EEPROM Programming Requirement On-vehicle Test
- FCA 7-Z 0146 CAN NODES Off-vehicle Physical Level Test
- FCA 7-Z 0166 CAN Physical Layer Test

Other

- A2B Interoperability testing

Contact Us

Danlaw, Inc.

41131 Vincent Court
Novi, Michigan 48375 USA
Tel: 1 (248) 476-5571
Fax: 1 (248) 471-4485
sales@danlawinc.com

This document is provided for information purposes only and the contents hereof are subject to change without notice.

Danlaw reserves all rights to this document and the information contained herein. No warranty or guarantee of any kind, either express or implied, is made in relation to the accuracy, reliability fitness for a particular purpose or content of this document.

Don't see your standard? Just contact us!