DIAMON-ADAPT

Efficient diagnostic protocol testing based on ODX

For various reasons, OEM and suppliers often deviate from standard ODX (Open Diagnostic Data Exchange), so the implementation of an automated testing solution is very costly and test cases for diagnostic protocol tests have to be done manually. That is extremely time-consuming for the test engineer and not very efficient in the long term.

DiaMon-ADAPT is an automated diagnostic protocol tester. It offers an efficient solution because of its adaptability to individual requirements with little effort. The algorithm for automated generation of tests from ODX has high flexibility and can be adjusted easily to the manufacturer’s standards and norms. This result in quick operational readiness and high savings compared to manual test generation.

Automated generation of CAPL scripts
DiaMon-ADAPT is containing a test editor. By means of that editor automatically generated tests can be checked and manually modified in a clearly arranged graphic user interface. There is no specific previous knowledge necessary. With the test editor the automatically generated test will be more transparent and comprehensible for the user. Furthermore the test engineer can adapt tests individually to requirements. In addition, test cases can be generated independently from ODX input data to simulate e.g. CAN messages and communication processes between different ECUs.

With the help of DiaMon-ADAPT users without CAPL programming knowledge are able to create and run extensive diagnostic protocol tests and test series. At any time it is possible to save or edit created test series. All tests can be generated as automated CAPL scripts for the Vector Toolsuite CANoe®/CANalyzer®.

Already since the nineties ServiceXpert has cared about diagnostics of technical systems. At the Hamburg Diagnostics Centre DiC the ServiceXpert combines that experiences and the know-how and supports well-known automotive and commercial vehicle producers.
A company of the ESG Group

ServiceXpert Gesellschaft für Service-Informationssysteme mbH is the system and software house for leading manufacturers of commercial vehicles as well as the supplier industry in Germany and Europe.

For many years, ServiceXpert has been an established engineering partner for vehicle electric/electronic development. Thereby ServiceXpert focuses on function and software development as well as test and integration to the entire vehicle. With specific know-how ServiceXpert engineers develop innovative solutions.

At the in-house Diagnostics Centre DiC the ServiceXpert engineers compile comprehensive diagnostics solutions from development to after-sales service. In form of the DiaMon diagnostics system, ServiceXpert provides a flexible and proven system for lifecycle diagnostics of commercial vehicles.

Furthermore ServiceXpert assists its customers in planning, implementation and operation of systems used for information management throughout the product lifecycle. For the support at after-sales service the company developed modular IT solutions.

As a company of the ESG Group and a part of the ESG Automotive Division ServiceXpert engineers collaborate closely with the ESG’s technology and innovation network.

ESG develops, integrates and operates electronic and IT systems for the armed forces, government agencies and companies of the automotive and aerospace industry and logistics.

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