Association for Standardization of
Automation and Measuring Systems

ASAM OTX Extensions

Open Test sequence eXchange Format

Part 4 of 4

Expanded extensions interface definition

Version 3.2.0

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Base Standard

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Foreword

OTX (Open Test sequence Exchange) is a platform and tester independent exchange format for formal description of executable test sequences published in the ISO 13209 series. OTX is a standard for the reliable storage of test knowledge within vehicle diagnostics and vehicle test automation. The XML-based flow language provides the opportunity to share test sequences across departmental, tool and process boundaries. The expertise stored in these flows is not lost, but can be used even after many years. OTX is targeted primarily at the automotive industry, although the core features of the standard are applicable in any industry. Such test sequences are used in development, production and after sales and can be exchanged between vehicle manufacturers, Tier 1 suppliers and tool providers.

OTX is the logical evolution of standardization in vehicle diagnostics. Figure 1 shows the relation of OTX to other diagnostic standards.

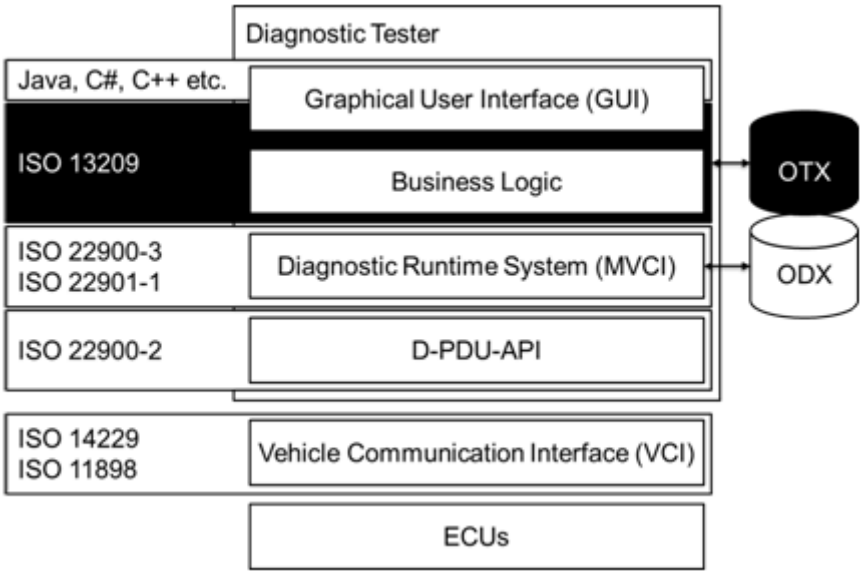

Figure 1 Relation of OTX to standards in vehicle diagnostics

ISO 13209 consists of a core and an extension concept, which allows the integration of arbitrary interfaces. For example extensions for diagnostic communication, flashing, event handling and logging are standardized in ISO standards. Based on these extensions the usage of a MVCI-Server (ISO 22900-3 also known as ASAM MCD-3 D Server API) is simplified, because many implementation steps are hidden.

OTX is not restricted to diagnostic sequences. It can be also seen as a strategic migration platform for different, currently separated standards, e.g. ASAM GDI [10], ASAM XIL [11], ASAM AE MCD-3 MC [12].