

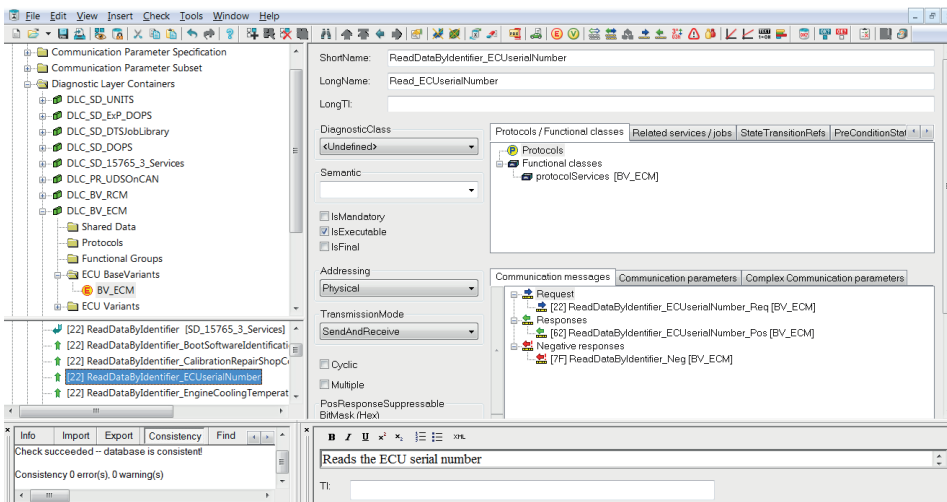
# DTS 8 Venice

Powerful Authoring System for ODX 2.2 and 2.0.1  
for Diagnostic Experts and Developers of Vehicle ECUs

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DTS Venice enables the convenient creation, testing, management and maintenance of diagnostic specifications over the entire process chain for OEMs as well as system and ECU suppliers.



## Simple Creation of ODX Databases

DTS Venice is part of the Diagnostic Tool Set product family and is based on the DTS Base System. Venice stands for Vehicle Communication Database Editor. New databases can be created both on the basis of existing ODX/PDX files and on the basis of protocol templates. In the scope of delivery is a sample database containing three ECU including detailed documentation and a tutorial.

## Convenient Editing of ODX Data

A start page enables simple and fast access to the functions required most frequently. The entire ODX data model can be processed in the editor's Expert view. The ECU view enables a simplified view of the most important data of an individual ECU as well as of its variants. Diagnostic description inheritance is visualized graphically. Integrated

assistants support data input. It is possible both to work with ECU shared data and to process several databases simultaneously. For documentation purposes, the diagnostic specifications created can be output as RTF files. In Demonstration mode, ODX databases can be viewed without a license.

## Top Data Quality from the Outset

The ODX databases of modern vehicles are highly complex and become even more so during their lifetime due to additional variants, maintenance measures and function extensions. DTS Venice ensures the consistency and completeness of the database at all times. Formal checks ensure the basic compliance with the ODX standard and optionally with the ASAM ODX Recommended Style. Extensions by user-specific authoring guidelines are possible.

## Areas of Application

- Description and validation of diagnostic functions and ECU communication
- Data interoperability test
- Provision of test data for integration and system test
- Data adaptation in production preparation and for use in repair shop testers

## Benefits

- Efficient creation of the diagnostic specification thanks to assistant support
- Greater data quality thanks to testing of both syntax and semantics
- Data consistency over the entire process chain thanks to standard tool with central database (single source)
- Considerable cost saving thanks to the possibility of importing existing data descriptions and early error detection
- Shorter approval process as suppliers can test conformity with the OEM regulations themselves



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Technical Data	
<b>Based on the DTS Base System</b>	See separate data sheet: Diagnostic Tool Set – System Overview
<b>Standard Conformity/ Import Formats</b>	ODX V2.2.0 and 2.0.1 (ISO 22901-1/ASAM MCD-2D)
<b>Protocol Templates</b>	<ul style="list-style-type: none"> <li>• J1939/73 on CAN (SAE J1939/73 on SAE_J1939/21)</li> <li>• KWP2000 on CAN (ISO 14230-3 on ISO 15765-2)</li> <li>• KWP2000 on K-Line (ISO 14230-3 on ISO 14230-3)</li> <li>• OBD (ISO-OBd on ISO 15765-4 and ISO-OBd on ISO 14230-2)</li> <li>• UDS on CAN (ISO 14229-3 on ISO 15765-2)</li> <li>• UDS on CAN (ISO 15765-3 on ISO 15765-2)</li> <li>• UDS on DoIP (ISO 14229-5 on ISO 13400-2)</li> <li>• WWHOBd on CAN (ISO 27145-3 on ISO 15765-2)</li> </ul>
<b>Authoring Guidelines/ ODX Checker</b>	Basic rules (Softing), ASAM ODX Recommended Style, extensible by user-specific rules
<b>Output or Export Formats</b>	ODX V2.2.0 and 2.0.1, PDX (packed ODX), DTS runtime data formats SOD, SRD and optionally SMR, RTF (for the documentation of the diagnostic specification)
<b>Special PC Requirements</b>	Screen resolution $\geq$ 1280x1024 (SXGA)

Order Numbers	
<b>DTS8L+VENICE</b>	Powerful authoring system DTS 8 Venice for ODX 2.2 and 2.0.1 for convenient creation, testing, management and maintenance of diagnostic functions of single ECUs or a complete vehicle
<b>DTS8L-VEN-MSP</b>	Maintenance and Support Package incl. support by telephone and e-mail with regard to installation, setup and operation; minor and medium software upgrades free of charge

Supplementary Products and Services	
<b>S-DONGLE</b>	Micro USB license dongle as an alternative to licensing on a hardware interface
<b>DTS8S-CRYPT-SETUP</b>	Initial setup for OEM-specific encryption of runtime data (one-off costs per OEM)
<b>DTS8L-CRYPT-[OEM]</b>	Reading and writing OEM-specific encrypted runtime data (requires one-time DTS8S-CRYPT-SETUP)
<b>DTS8S-COS-SMR-SETUP</b>	Initial process consulting regarding the usage of the modular ultra-compact runtime data format SMR and its creation with the transformer application (one-off costs per OEM)
<b>DTS8L-COS-SMR</b>	Generating the modular optimized runtime data format SMR (requires one-time DTS8S-COS-SMR-SETUP)
<b>DTS8L+COS</b>	Communication server DTS 8 COS for vehicle diagnostics
<b>DTS8L+AUT</b>	DTS 8 Automation provides for manufacturing and test bench applications particularly simple access to diagnostic communication via standard interfaces widely used in industrial automation: API for C and COM, LabVIEW VIs and OPC server
<b>DTS8L+MONACO</b>	All-in-one engineering tester DTS 8 Monaco for diagnostic and control functions of vehicle ECUs which comprehensively covers all tasks in the areas of engineering, testing and preparation of manufacturing tests
<b>OTX1L+STUDIO</b>	OTX Studio is a complete OTX 1.0 workflow solution to create, validate and commission complex diagnostic sequences in accordance with ISO 13209 for ECU and vehicle testers