

Data Declaration System

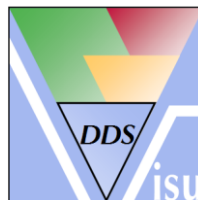
What's new in Version 5.7.R2?

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1 Purpose and scope

This document describes the improvements and changes of DDS V5.7.R2 compared to V5.6.R6.

2 What's new in Version V5.7.R1?

Improvements and changes of DDS V5.7.R1 compared to V5.6.R6.

2.1 Highlights

2.1.1 Support of ADD's "logical bits"

Since ADD V4.2, ADD can handle "logical bits". These are bits which do not really exist in the ECU code as C variables but only locally e.g. via macros. Typically, "logical bits" are used to mask a special bit-position within a carrier definition and access this bit position via a separate, artificial definition. This "logical bit" will be present also in the ASAP2 file.

When importing logical bits from ADD, they will be mapped into the onlineUnion/onlineUnionMember concept of DDS.

Affected DDS components:

- Import ADD
"logical bits" will be mapped into the onlineUnion concept
- Export source
Special macros will be exported into the C code for the "logical bits"
- Export ASCET
The logical bits will be exported to ASCET with a special "additional Info" setting

2.2 New Features

2.2.1 Import from ADD

The import has been enhanced by:

- **Project import**
DDS can now import complete projects. With the new filter option "DDProjectImportMode" it can additionally be controlled how this import should look like.
- Code Sharing Adapter import
DDS can now import the code sharing adapter in different modes (see filter option "CsAdpImportMode")

2.2.2 Access to ADD

DDS now accesses ADD via the new database access layer ODP.NET. As a consequence, to be able to import from ADD with the new DDS version the following prerequisites exist:

- ODP.NETdriver must be installed on your system
- ADD V4.x must be installed on your system

2.3 Minor Improvements / Correction of Bugs

2.3.1 ImpA2: Miscellaneous improvements

Improvements:

- When importing a FUNCTION which contains the character '.' in its FUNCTION name, the character will be replaced with '_'.
- When a parent function is invalid for some reason, no further sub-functions are added to this invalid function
- Improved creation of RAT_FUNC and FORMULA conversions which are used at floating point definitions (avoid confusing messages)
- Improved detection of semantic mappingSchemes during import. In the previous versions, sometimes the detection was not successful when the RECORD_LAYOUT contained RESERVED elements.

2.3.2 ImpADD: Miscellaneous improvements

Improvements:

- The new filter option "TakeFractionValuesOfRatFuncConversion" controls whether the 'fraction'- instead of the 'normalized' values of RAT-FUNC conversions should be taken and imported into DDS.

2.3.3 DDS Editor: Miscellaneous improvements

Improvements:

- Don't try to display entities of type "calibrationMethod" (-> performance improvement)

2.3.4 ExpMDX: Miscellaneous improvements

Improvements:

- Support of special characters like "ä", "ö", etc.
- All system constants will get the CATEGORY "ADJUSTABLE" now
- Support of online unions. New code syntax for packed bits (bitfields)

2.3.5 ExpDDX: Miscellaneous improvements

Improvements:

- New mode "PreserveName" at filter option "CompuMethodName" in order to keep the names of the conversions during export. However this mode is intended for internal use only.

2.4 AddOn components

2.4.1 Import/Export from/to Ascet: Miscellaneous improvements

Improvements:

- Support of „logical bit“ concept

2.4.2 ADD vs. ASCET Compare: Miscellaneous improvements

Improvements:

- Attributes to be ignored by the comparer can be defined in an XML config file

2.4.3 Export to TargetLink: Miscellaneous improvements

Improvements:

2.4.4 ADDS Interface: Miscellaneous improvements

Improvements:

- Language Extension: It's now possible to switch between German & English language.
- Progress Bar: Each process run will display its progress as bar and step count.
- ADD Offline Editor is no longer a child process of ADDSInterface and can therefore be treated like any normal window.
- Export ADD offline database via DDX file is now supported as trial version.

3 What's new in Version V5.7.R2?

Improvements and changes of DDS V5.7.R2 compared to V5.7.R1.

3.1 Minor Improvements / Correction of Bugs

3.1.1 ImpADD: Miscellaneous improvements

Improvements:

- When running the ImpADD in non-"TakeFractionValuesOfRatFuncConversion" mode, the values of ratFunc conversions will not be 'normalized' if specially marked in the ADD database.

4 No longer supported filters/components

5 Questions?

If you have any questions about this release, please contact the Visu-IT! DDS Hotline:

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