# Data Declaration System

## What's new in Version 9.2?

Sep 20th 2013

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# 1 Purpose and scope

This document describes the improvements and changes made in DDS V9.2

# 2 What's new in Version V9.2.R0?

Improvements and changes of DDS V9.2.R0 compared to previous.

## 2.1 Features / Improvements / Correction of Bugs

### 2.1.1 ImpADD:

- Also the names of disabled variables (code variant) are now stored in the unit specified for instructions.

### 2.1.2 ExpA2:

- Support of new IF_DATA protocol "dSPACE PlugOnDevices (POD)" -> new ifData-Template.
- New filter option "DetectSizeOfBitfieldMember": Detect and use (optimized) size of bitfield member definitions from locator file (default = "assume that a bitfield-member has the dataType which is assigned in DDS")

### 2.1.3 ExpSrc:

- Fixed the problem with the incorrect pointer assignment for variant encoded values of an array type.
- Removed the explicit cast for the calculated code of DataSpace reference Array.
- Statusword bits will be explicitly declared in the generated code.

### 2.1.4 ImpCVX:

- Improved error messages and warnings mainly concerning data space elements and elements with adjustable dimensions.
- Now suppressing messages concerning disabled variables (code variant).

### 2.1.5 ImpA2:

- Support of new IF_DATA protocol "dSPACE PlugOnDevices (POD)" -> new ifData-Template.
- Monotony - Problem on embedded Axes fixed
- Error "J0000" on systems with Japanese code page fixed
- A2L System Constants will now be also imported as cDefines, if the file definition is set in the option "DefFile4SystemConstants".

### 2.1.6 InstrPro:

- Support of structures and unions via the additional keywords "DEFSTRUCT", "refstruct", "DEFUNION" and "refunion".

### 2.1.7 TLExport:

- Initial Data: "Width"- and "Value" - property bug for initial data fixed

### 2.1.8 DServer

- DDS API DSever: Version of DDS API "DServer" harmonized with the appropriate DDS Version. E.g.: DServer.Database.9.2100

### 2.1.9 ExpA_2D

- The export now also supports rational-function conversions according to the ASAM MCD 2D (2.2) standard. In addition to this, the 'TAB-INTP" and "TEXTTABLE" conversions were adjusted/changed according to this standard.

### 2.1.10 ExpMDX

- Introduced Schema validation for *.mdx output.

### 2.1.11 Common

- Supporting variant encoded DataSpace elments defined in ADD.
- Introduced "Virtual Measurements", which are virtual onlines combining other onlines in a specified manner (formula).

# 3 No longer supported filters/components

# 4 Questions?

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

| DDS Hotline | | DDS Product page |
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