VISU IT!

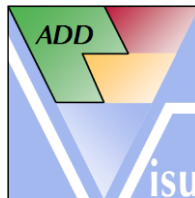Visual Information Technologies GmbH

Automotive Data Dictionary

What's new in Version 7.2.R0?

June 30th 2011

ADD Contact
email: add@visu-it.de
Internet: http://www.visu-it.de/add

© Copyright 2011
Visual Information Technologies GmbH
An der Schergenbreite 1
93059 Regensburg

Contents

1 Purpose and scope

This document describes the improvements and changes of ADD V7.2.R0 compared to V7.1.R0

2 What's new in Version V7.2.R0?

2.1 Highlights

2.1.1 Lock Support

The new feature Lock Support offers a solution for changing the same object by different users at the same time (last save wins). To support multi user environments the Lock mechanism allows to lock a project, composition, container or data object by a specific user to be able to change it. All other users have only read access to these objects but cannot modify them any more till the Lock is released and a new Lock is set by another user. A new user role "SD_User" is available also. The rights are identical to the "SD_Admin" except the right for removing locks of other users.

2.1.2 Project Check Enhancements

2.1.2.1 *Output without Input Check*

Data objects which should not be taken into account any longer for this check can be excluded by setting a checkmark.

2.1.2.2 *Multiple Output Check Enhancements*

This check considers now also Local objects. Data objects used as Output/Output, Output/Local and Local/Local in different containers are displayed.

2.1.2.3 *Draft / SimFixed Interface Objects*

A new check "Draft/SimFixed Interface Objects Check" is added to the Project Check to display all interface objects used in the project and the Code Sharing Adapter (CsAdp) container which have the states "Draft" or "SimFixed".

2.1.2.4 *Missing Project Custom Tag Check Rework*

The previous Project Check "5. Missing Project Custom Tag Check" is removed as single check, but the check results are now added to the checks "2. Input without Output", "3. Output not used as Input" and "6. Variants/Variant Selectors not in Project Container".

2.1.3 Performance Improvements

The performance of the Project Check, open the Project System Constants View and switching to the Code Variants page of a container from the Project References page is improved significantly.

2.1.4 Import of Project Configuration

The new menu item "Import Project Content" in the context menu of a project offers the possibilities to import the container / composition references, System Constant Values, Data Space Configuration, Variant Selector Configuration and Data Variants of an already existing project into the current selected project.

2.1.5   Optional Features

2.1.5.1   External Interface for Projects

In the Project / Container Management the new page "Project Interface" displays the Input and Output signals of the selected project. Only the signals also contained in the Code Sharing Adapter (CsAdp) are shown. Objects can be excluded from the Project interface generation later on (DDS Import) by setting a checkmark.

2.1.5.2   Init Values

The new page "Init Values" is now available for parameter, map and axes data objects. This allows to specify default calibration values for these objects.

2.2 New Features, Major Improvements

2.2.1 Code Variant Enhancements

The new operators bitwise AND ("&"), not equal ("!="), less equal ("<=") and greater equal (">=") are now also available for Code Variant conditions.

2.2.2 Offline Mode – Custom Tags

Up to now missing project specific attributes like explicit list of project specific system constants, Variant Selector Configuration and Data Variants are now also exported to the DDX file. The import or the Variant configuration however is not implemented.

2.2.3 Project Comparison

The Project Compare displays now also different Data Space, Variant Selector and Data Variant configurations.

2.2.4 Offset and Distance for FIX Axes

The Offset and Distance values for FIX axes are now handled data object version specific for new data objects or data object versions.

2.2.5 Optional Features

2.2.5.1 *Support of Enum Definitions*

ADD supports now also Enum Type definitions as SIM or SW Data Types. For this a new Base Type "ENUM" is available also.

2.2.5.2 *Diagnosis Object Support*

Specific attributes like Access Frequency, Max Refresh, Sim Data Type and SW Data Type can be configured in the ADDConfig.xml for data object with special name parts.

2.2.5.3 *Axes Monotony*

The new attribute "Monotony" is added to the "Init Values" page for axes data objects.

2.2.5.4 *Calibration Access (Tunable) Support*

The new attribute "Calibration Access" is added to the "Data Object Information" page. It is available for all data object types.

2.2.5.5 *Volatile*

The new attribute "Volatile" is added to the "Data Object Information" page ("Data Definition" page for STD and FIX Axes). It is available for all data object types except System Constants.

2.3 Minor Improvements / Correction of Bugs

2.3.1 Export Project Information

The new menu item "Export Project Info only" in the context menu of a project exports the project configuration like Data Space, Variant Selector Configuration, Data Variants and project specific System Constants. Container / Composition references including the data objects are not exported.

2.3.2 Project System Constants View

The checkbox "Hide System Constants of Type Fixed" in the System Constants page of the Project Management allows hiding or showing the special System Constants. This can also have an impact on performance.

2.3.3 String Conversion

When defining String Conversions the strings in the conversion table are no longer switched to uppercase, that is allowing the usage of upper and lower case characters for the string values.

2.3.4 Multi Selection

2.3.4.1 Project References

To remove multiple container / compositions at once in the Project References page multi selection is supported now.

2.3.4.2 Deletion of Data Objects

To remove multiple data objects from a container at once multi selection can be used in one of the List Views (Input, Output or Local).

2.3.5 Offline Mode – Sync for Units

The Sync process treats units now case sensitive to be able to distinguish e.g. between "m" (meter) and "M" (month).

2.3.6 Maps and Tables with STD / FIX Axes

The internal names of STD and FIX axes are changed now to support tables and maps with identical names (abc_T and abc_M).

2.3.7 DDX-Export Access Frequency / Max Refresh

When exporting a composition always the Access Frequency and Max Refresh values of the Output objects are exported now.

2.3.8 Limits for Local Onlines

Limits for local online variables can only be modified in a "Draft" container and no longer also in a "SimFixed" container.

2.3.9 Axes Limits

When changing the status of a table or map with embedded axes or the status of a global axis the limits of the axes remain unchanged now. Before when an Online reference with identical data types as the axis was set the limits of the axes where change to the full range.

2.3.10 Obsolete Conversions

Creating a new release for data objects referencing "Obsolete" conversions (data types) is possible now. A default conversion is assigned in this case which can be modified by the user afterwards.

2.3.11 Create Project Variant / Release / Revision

When a project is contained in a Folder but the Folder View is currently not active and a new Variant / Release or Revision of the project is created, a check is included to inform the user to switch first to the Folder View.

2.3.12 Rename Bit Base Data Object

When a Bit Base data object is renamed the previous bit data objects are removed correctly. They remained in the container object invisibly before.

2.3.13 Optional Features

2.3.13.1 Inverse Formulas

Inverse Rational Functions of the type a / bx + c are now supported also.

2.3.13.2 Representation Model Support

The new attribute "Representation Model" is now available for data objects of type axis and map.

2.3.13.3 SW Data Type Changes for Simulation Fixed Objects

When selecting the same SW Data Type for Simulation Fixed data objects as the SIM Data Type no new release or revision is created any more.

2.3.13.4 Rename Access Frequency

The attribute name for "Access Frequency" can now be set by an option.

2.3.13.5 Custom Tags – DO_EXT

- The Sync process adds now missing DO_EXT tags when creating new data objects.
- When the description of a DO_EXT tag is changed for "simulation fixed" or "fixed" data object, a new revision is created. Create new data object revision for "simulation fixed" objects on tag changes

2.3.13.6 Take Over for Bits

The Take Over operation is corrected for Logical Bit objects and classification "Input".

2.3.13.7 Bits in ListView Mode

The display of Logical Bit objects with nearly identical names in the ListView Mode is corrected.

2.3.13.8 Conversion for Bits

It is possible now to use different SIM and SW Data Types for Bit objects and the Bit carrier object.

Visual Information Technologies GmbH

4   No longer supported features

4.1   Individual Axes

The simple individual axis flag in the Offline Mode is no longer supported (superseded by STD and FIX axis objects).

5   Questions?

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

ADD Hotline	ADD Contact	ADD Product page
Tel.: +49 (0)941 – 49082-16 email: add-hotline@visu-it.de	Tel.: +49 (0)9947 – 9040004 email: add@visu-it.de	Internet: http://www.visu-it.de/add