

## Automotive Data Dictionary

What's new in Version 14.1.R0?

March 20<sup>th</sup> 2018

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## 1 Purpose and scope

This document describes the improvements and changes of ADD V14.1 compared to V13.3

## 2 What's new in Version V14.1.R0?

### 2.1 Highlights

#### 2.1.1 STRING Conversion Import/Export [[ADDS-12066](#)]

Import/Export STRING Conversion values from/as \*.xlsx.

#### 2.1.2 Calib Special Characteristics [[ADDS-12030](#)]

Introducing new attribute Special Characteristics for Calibration Data within the Container context..

#### 2.1.3 AUTOSAR Client-Server SystemEvents [[ADDS-11675](#)]

Introducing AUTOSAR Client-Server-SystemEvents concept to ADD.

#### 2.1.4 DO ListView Handling [[ADDS-11278](#)]

Allow attribute manipulation within the ADD DataObject ListView control.

#### 2.1.5 Struct Init Data Import/Export [[ADDS-12107](#)]

Allow the import/export of Initial Data for DataObjects of type StructureInstance.

### 2.2 New Features, Major Improvements

#### 2.2.1 List-View Multi-Selection [[ADDS-12242](#)]

Allow editing via multi-selection within the ADD DataObject ListView control.

#### 2.2.2 CMP++ Interface Info [[ADDS-12102](#)]

General enhancement of the Composition++ handling in order to enrich the information regarding the Interface elements.

#### 2.2.3 ADD Unit Quick Selection [[ADDS-12072](#)]

General enhancement for "Quick Selection" feature within ADD Unit Combobox.

### 2.3 Minor Improvements / Correction of Bugs

#### 2.3.1 BusAdp Import (Optional) [[ADDS-12328](#)]

General enhancement of the BusAdp import in ADD.

#### 2.3.2 BusAdp Version Handling [[ADDS-12327](#)]

Allow creation of version branches for special Container BusAdp.

### 2.3.3 Missing Ref Check Log-Level [\[ADDS-11945\]](#)

New log-level "Warning" added to Project/Container - Checke "References Check".

### 2.3.4 DO Limit Handling (Optional) [\[ADDS-11906\]](#)

General enhancement of the handling for DataObject attribute "Limit".

## 2.4 Blocker and Critical Bugs

### 2.4.1 Composition Local Check [\[ADDS-12857\]](#)

Issues related to an erroneous check result for out-dated Composition Local Data Objects fixed.

### 2.4.2 Prj Check 8 SC Memory [\[ADDS-12779\]](#)

Issues related to an invalid result of Project Check No. 8 for SystemConstants formerly contained within a referenced ConfPackage fixed.

### 2.4.3 ImpADD [\[ADDS-12515\]](#)

Bugfix - Duplicate MaxRefresh entities are reused correctly when the option UseMaxRefresh4OnlineUpdate is activated.

### 2.4.4 Obsolete Connection Handling [\[ADDS-12472\]](#)

Issues related to the handling of "Obsolete" CIL Connection objects fixed.

### 2.4.5 Composition Interface Classification [\[ADDS-12446\]](#)

Issues related to an erroneous Classification setting for Composition Interface elements using Composition Interface Default configuration fixed.

### 2.4.6 Oracle FetchSize OOM [\[ADDS-12243\]](#)

Issues related to an Out-of-Memory exception in ADD when using Oracle Client feature FetchSize fixed.

### 2.4.7 Environment Variable [\[ADDS-13063\]](#)

Suffix "." removed from system environment variable "ADDOFFLINE\_PATH".

### 2.4.8 Whitespace Difference [\[ADDS-12868\]](#)

Display white-space differences of String values within the ADD Differences window.

### 2.4.9 CV Sync Handling [\[ADDS-12734\]](#)

Conflict handling of DataObjects/MappingObjects with CodeVariante settings during ADD Offline Sync process enhanced.

### 2.4.10 ADD Timeout [\[ADDS-12695\]](#)

Issues related to a crash of ADD when trying to close the process after a ADD/DB timeout fixed.

### 2.4.11 InitValues Struct-STD-Map [\[ADDS-12667\]](#)

Issues related to non-applied Initial Values for Struct members of Typ STD-Map fixed.

#### **2.4.12 Get All StructType [\[ADDS-12601\]](#)**

Issue related to a crash of ADD when using the "Get All" functionality within the Struct Type Management - search window fixed.

#### **2.4.13 Control Layout [\[ADDS-12572\]](#)**

Issues related to an erroneous displaying of control elements within the ADD Container content window fixed.

#### **2.4.14 Copy/Paste CT Control [\[ADDS-12423\]](#)**

Issues related to copy/paste problems within the ADD CustomTag control fixed.

#### **2.4.15 LibFreeze Memory [\[ADDS-12273\]](#)**

Issues related to the storage of LibFreeze information after changing the Project status to "fixed"/"simfixed" fixed.

#### **2.4.16 CV ADDOffline Sync [\[ADDS-12164\]](#)**

Issues related a non apply-able CodeVariante Take-Over during ADDOffline Sync fixed.

#### **2.4.17 CV ADDOffline Conversion Sync [\[ADDS-11917\]](#)**

Issues related to an error during ADDOffline Sync when synchronizing Conversion with Remark differences fixed.

#### **2.4.18 Conversion Catalogue Res/Offset Filter [\[ADDS-11701\]](#)**

Issues related to an invalid Resolution/Offset filter result for Conversion when using ADD Conversion Catalogue feature fixed.

#### **2.4.19 BusAdp MDX Limits [\[ADDS-11614\]](#)**

Always export the full range Limit values for BusAdp DataObjects within the MDX export.

#### **2.4.20 CMP++ Empty Interface [\[ADDS-11339\]](#)**

Issue related to an empty interface list for Composition++ elements with non-Draft status fixed.

#### **2.4.21 State Change Responsible Info [\[ADDS-11334\]](#)**

Issues related to displaying of a non related ADD User as element Responsible within the ADD State Change Info windows fixed.

#### **2.4.22 Prj-Context Ref Info [\[ADDS-10981\]](#)**

Issues related to an erroneous style display of Project Interface elements within the ADD Reference window fixed.

#### **2.4.23 System Culture Errors [\[ADDS-11430\]](#)**

Issues related to errors/crashes when using ADD on an OS with culture setting Turkish fixed.

#### **2.4.24 ADDOffline Uninstall Shortcut [\[ADDS-10291\]](#)**

Issues related to still existing ADDOffline Desktop/Start Menu shortcuts after uninstalling ADDOffline fixed.

#### **2.4.25 Prj Check Missing CT [[ADDS-12063](#)]**

Issues related to erroneous listing of DataObjects with missing CustomTags in Project Check No. 2 & 3 of CsAdp interface elements fixed.

#### **2.4.26 Case-Sensitive CT Name [[ADDS-13208](#)]**

Issues related to a crash of ADD when working with a database containing multiple CustomTags differing in case-sensitive names only fixed.

#### **2.4.27 Buggy Snapshot CsAdp [[ADDS-13234](#)]**

Issues related to an incorrect configuration of the CsAdp - CustomTags in status "Buggy" compared to the snapshot - view of the appropriate CsAdp Version fixed.

#### **2.4.28 ADD User Search [[ADDS-13251](#)]**

Issues related to an empty result list when searching for an ADD User (e.g. within DO Cleanup) with ADD User Group feature activated fixed.

### **2.5 ADDAdapter**

#### **2.5.1 ADDAdapter GetLimits [[ADDS-12724](#)]**

Issues related to a "null" return when using GetLimits for CIL Mapping Connections having "LOCAL" Source/Target references fixed.

### **2.6 DDX HighLevel**

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## 3 What's new in Version V13.3.R4?

### 3.1 Highlights

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### 3.2 New Features, Major Improvements

### 3.3 Minor Improvements / Correction of Bugs

#### 3.3.1 DataVariant Handling [[ADDS-12918](#)]

General enhancement and bugfix of ADD Project settings "DataVariant".

### 3.4 ADDAdapter

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### 3.5 DDX HighLevel

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## 4 What's new in Version V13.3.R3?

### 4.1 Highlights

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### 4.2 New Features, Major Improvements

### 4.3 Minor Improvements / Correction of Bugs

#### 4.3.1 Fixed Connection Manipulation [[ADDS-12623](#)]

Issues related to changing of Source/Target references of "fixed" CIL Mapping objects fixed.

### 4.4 ADDAdapter

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### 4.5 DDX HighLevel

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## 5 What's new in Version V13.3.R2?

### 5.1 Highlights

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### 5.2 New Features, Major Improvements

### 5.3 Minor Improvements / Correction of Bugs

#### 5.3.1 Group Lock [[ADDS-12623](#)]

Issues related to an invalid handling of the Lock mechanism when using ADD Groups fixed.

#### 5.3.2 ADD PACES Interaction [[ADDS-12552](#)]

General improvement of the ADD-PACES connection and interaction.

### 5.4 ADDAdapter

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### 5.5 DDX HighLevel

-

## 6 What's new in Version V13.3.R1?

### 6.1 Highlights

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### 6.2 New Features, Major Improvements

#### 6.2.1 Structs & CIL Mapping (Optional) [[ADDS-12463](#)]

Allow usage of Structure instances within a CIL Container.

### 6.3 Minor Improvements / Correction of Bugs

#### 6.3.1 Struct MDX - Export [[ADDS-12477](#)]

Issues related to not supported cascading Struct structures and STD/FIX Axis for Structs in ADD MDX Export fixed.

#### 6.3.2 Client/Server Window [[ADDS-12403](#)]

Issues related to representation problems of the Client Server Interface Management window fixed.

#### 6.3.3 Composition Interface Classification [[ADDS-12446](#)]

Issues related to an erroneous Classification setting for Composition Interface elements using Composition Interface Default configuration fixed.

#### 6.3.4 CIL Connection Sync [[ADDS-12544](#)]

Issues related to an error when trying to create a new CIL Connection version during ADDOffline Sync fixed.

### 6.4 ADDAdapter

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### 6.5 DDX HighLevel

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## 7 What's new in Version V13.3.R0?

### 7.1 Highlights

#### 7.1.1 DO CT Bulk Change (Optional) [\[ADDS-11359\]](#)

Allow bulk change of DataObject CustomTags within a Container.

#### 7.1.2 Context Specific DO Replacement [\[ADDS-11358\]](#)

Allow the replacement, addition and deletion of multiple DataObjects within a Container/Composition.

#### 7.1.3 DataVariant/VariantSelector Excel Export [\[ADDS-11180\]](#)

Excel export of Project DataVariant & VariantSelector configuration added.

#### 7.1.4 DataVariant Project Resolution [\[ADDS-11179\]](#)

Consider and display CodeVariant condition settings of DataVariants within a Project.

#### 7.1.5 Composition Draft Handling [\[ADDS-10886\]](#)

Allow the multiple reference of a Container within a "draft" Composition in order to ease the Composition handling during development. Additional checks at status changes ensure consistent references for non-"draft" Compositions.

#### 7.1.6 AUTOSAR Client-Server Interface [\[ADDS-11574\]](#)

Introducing AUTOSAR Client-Server-Interface concept to ADD.

### 7.2 New Features, Major Improvements

#### 7.2.1 ADD History Switch (Optional) [\[ADDS-12284\]](#)

Allow switching between ADD legacy DataObject/Container-History - view and the new database based History - View feature.

#### 7.2.2 BusAdp SEND & RECEIVE Signals [\[ADDS-11265\]](#)

BusAdp import adapted in order to handle also BusAdp Signal objects used with SEND & RECEIVE direction simultaneously.

#### 7.2.3 BusAdp Import CT Handling (Optional) [\[ADDS-12064\]](#)

Keep previous BusAdp CustomTag setting "Proposal OEM" when removing of BusAdp Signal during BusAdp Import.

#### 7.2.4 MaxRefresh Binding (Optional) [\[ADDS-11853\]](#)

Allow binding of Data Object/Container attribute MaxRefresh to Data Object/Container attribute AccessFrequency

#### 7.2.5 Float Conversion Restriction (Optional) [\[ADDS-11298\]](#)

Restrict DataObjects with BaseType "Float" to 1to1-Conversions.

### **7.2.6 Sub-ECU Assignment** [[ADDS-11321](#)]

Allow the usage of a Sub-ECU within multiple ECUs.

### **7.2.7 Prj Check 8 Performance** [[ADDS-12427](#)]

General performance enhancement of Project Check No 8 (Composition Local Check).

## **7.3 Minor Improvements / Correction of Bugs**

### **7.3.1 DataVariant Project Resolution** [[ADDS-11179](#)]

Consider and display CodeVariant condition settings of DataVariants within a Project.

### **7.3.2 Struct Support** [[ADDS-11038](#)]

General enhancement of the ADD Struct feature in order to ensure the usage in different ADD modes; MATLAB Service support.

### **7.3.3 CIL Container Support** [[ADDS-10073](#)]

General enhancement of the ADD CIL Container feature in order to ensure the usage in different ADD modes.

### **7.3.4 Lock & Group Responsible** [[ADDS-12306](#)]

Harmonize ADD Group Responsible and Lock feature.

### **7.3.5 Group Responsible Handling** [[ADDS-11370](#)]

General enhancement of ADD Group Responsible feature.

### **7.3.6 VDM Excel Export** [[ADDS-7525](#)]

General enhancement of the VDM Excel export.

### **7.3.7 Bulk BusAdp Import** [[ADDS-12259](#)]

Issues related to an error when importing multiple \*.dbc - files at once fixed.

### **7.3.8 Supplier Interface Snapshot CsAdp** [[ADDS-12254](#)]

Issues related to an erroneous Project Supplier Interface when using CsAdp - Snapshot fixed.

### **7.3.9 ADDCusServ Feature** [[ADDS-12163](#)]

Issues related to the non functioning ADDCusServ feature in ADD fixed.

### **7.3.10 CsAdp MDX Export** [[ADDS-12046](#)]

Issues related to an ADD exception when exporting a CsAdp Container with a non numerical IssueNumber to MDX fixed.

### **7.3.11 Buggy Snapshot CsAdp** [[ADDS-12002](#)]

Issues related to an incorrect configuration of the CsAdp - CustomTags in status "Buggy" compared to the snapshot - view of the appropriate CsAdp Version fixed.

### **7.3.12 Inverse Container Open** [[ADDS-11996](#)]

Issues related to the non responsive "Open Container" button within the Project Reference tab when using the Inverse Version TreeView fixed.

### **7.3.13 Fixed Container Content** [[ADDS-11513](#)]

Issues related to the change of DataObject references within a "fixed" Container fixed.

### **7.3.14 ADDOffline Sync & PACES** [[ADDS-11408](#)]

Issues related to an ADDOffline exception when trying to synchronize data with activated PACES feature fixed.

### **7.3.15 ADDOffline Conversion Catalogue** [[ADDS-10410](#)]

Issues related to the creation of a DDX containing conflicting Conversion Catalogue information for a Conversion fixed.

### **7.3.16 MO/DO CV Diff** [[ADDS-12269](#)]

Issues related to misleading difference information for CIL MappingObjects/DataObjects referenced in a CodeVariant fixed.

### **7.3.17 Snapshot CsAdp CT Delete** [[ADDS-12255](#)]

Issues related to an error when deleting multiple CsAdp-CustomTags within a CsAdp Snapshot fixed.

### **7.3.18 ADDOffline Environment Variable** [[ADDS-12249](#)]

Issues related to an erroneous setting of the System Environment Variable "FUNDOC\_PATH" instead of "ADDOFFLINE\_PATH" during installation fixed.

### **7.3.19 CMP CV Check** [[ADDS-12222](#)]

Consider CodeVariants in Composition Check No. 4 (Multiple Definitions).

### **7.3.20 CMP Bulk Fix** [[ADDS-12108](#)]

Issues related to an erroneous check result when changing the status of a Composition for referenced Container fixed.

### **7.3.21 New Version References** [[ADDS-11994](#)]

Issues related to an empty "New Versions" column within the Composition/Conf. Package/Project Reference tab when using Container "Folder View" feature fixed.

### **7.3.22 ADD PACES Handling** [[ADDS-11797](#)]

Issues related to an ADD crash when closing ADD application with an active PACES link fixed.

### **7.3.23 Import MDX String Representation** [[ADDS-11676](#)]

Issues related to an erroneous string representation of a CustomTag description when importing the CIL Connection information of a MDX file into ADD fixed.

### **7.3.24 CsAdp/BusAdp Supplier Config** [[ADDS-11299](#)]

Issues related to an incorrect Supplier Interface Config value within the "Search for Supplier Interface Ref" - window fixed.

### **7.3.25 Mem. Region Setting [[ADDS-11097](#)]**

Issues related to invalid auto Memory Region settings for Data Objects in ADD fixed.

### **7.3.26 Conversion Control Display [[ADDS-10137](#)]**

Use dynamic width for ADD Conversion ComboBox control within the DO Definition tab in order to display Conversion with long names.

### **7.3.27 Online Ref Task [[ADDS-9921](#)]**

Issues related to the take over of the Task attribute for Axis - Online References fixed.

### **7.3.28 TreeView Handling [[ADDS-11821](#)]**

General enhancement of the ADD TreeView controll in order to increase the usability.

### **7.3.29 PACES CsAdp Status [[ADDS-12389](#)]**

Issues related to a PACES error when changing the Status of special Container CsAdp fixed.

### **7.3.30 CIL Mapping CT [[ADDS-12406](#)]**

Issues related to a non-editable CIL Connection CustomTags fixed.

### **7.3.31 CIL Mapping CT [[ADDS-12406](#)]**

Issues related to a non-editable CIL Connection CustomTags fixed.

### **7.3.32 CT Clone&Add [[ADDS-12406](#)]**

Issues related to a non-editable CustomTag attribute after using Clone & Add function on a DataObject fixed.

## **7.4 ADDAdapter**

### **7.4.1 ADDAdapter Limit SCs [[ADDS-11688](#)]**

Support reading of DataObject SystemConstant - Limit references via ADDAdapter (JAVA/.NET).

## **7.5 DDX HighLevel**

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## 8 What's new in Version V13.2.R3?

### 8.1 Highlights

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### 8.2 New Features, Major Improvements

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### 8.3 Minor Improvements / Correction of Bugs

#### 8.3.1 Embedded Axis Ref-Check [[ADDS-11916](#)]

Issues related to an erroneous check for missing SystemConstants referenced in embedded Axes (STD/FIX) fixed.

#### 8.3.2 BasedOn Changes [[ADDS-11915](#)]

Issues related to an added or removed DataObjects within Container based on "simfixed"/"fixed" Container fixed.

### 8.4 ADDAdapter

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### 8.5 DDX HighLevel

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## 9 What's new in Version V13.2.R2?

### 9.1 Highlights

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### 9.2 New Features, Major Improvements

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### 9.3 Minor Improvements / Correction of Bugs

#### 9.3.1 Conversion Version [[ADDS-11919](#)]

Issues related to errors when creating new Conversion versions in ADD Online or via ADD Sync fixed.

### 9.4 ADDAdapter

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### 9.5 DDX HighLevel

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## 10 What's new in Version V13.2.R1?

### 10.1 Highlights

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### 10.2 New Features, Major Improvements

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### 10.3 Minor Improvements / Correction of Bugs

#### 10.3.1 ADD Sync Apply All [[ADDS-11845](#)]

Issues related to erroneously created new DataObject versions for INPUTs when using the "Apply for All" functionality fixed.

### 10.4 ADDAdapter

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### 10.5 DDX HighLevel

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## 11 What's new in Version V13.2.R0?

### 11.1 Highlights

#### 11.1.1 ADD Oracle Performance [[ADDS-11415](#)]

New Oracle setting "Fetch Size" introduced to allow the possibility of adapting the row - number transferred at a time between Oracle Client/Server in order to counteract a slow network.

#### 11.1.2 Dashboard & Gadgets [[ADDS-11063](#)]

Introducing a customizable dashboard view in ADD based on PACES.

#### 11.1.3 TreeView Display (Optional) [[ADDS-10633](#)]

Display Level, Line, Line.Variant and Line.Variant.Release as single nodes for the Container, Composition, Conf. Package and Project trees.

#### 11.1.4 Cnt Folder View [[ADDS-10475](#)]

Folder View for Containers added.

#### 11.1.5 Inverse Version Tree [[ADDS-10377](#)]

By default the oldest version of an object will be displayed first in the version tree of Projects, Conf.Packages, Compositions and Containers. Now there exists a new menu entry "Inverse Version View" to be able to display the current version first.

#### 11.1.6 DB-Based History (Optional) [[ADDS-10334](#)]

Introducing the basic implementation for a database-based history function based on PACES.

#### 11.1.7 Code Variants for Compositions (Optional) [[ADDS-6770](#)]

Analog to data objects it is possible now to define a Code Variant also for Compositions to be able to deactivate it and all its including Sub-Compositions and Containers.

### 11.2 New Features, Major Improvements

#### 11.2.1 ADDOffline Predefs Handling (Optional) [[ADDS-11325](#)]

Load local ADDOffline configuration file Predefs.xml only.

#### 11.2.2 Class Instance Check (Optional) [[ADDS-11103](#)]

Introducing new Class Instance checks on Container level.

#### 11.2.3 Zero Release [[ADDS-10655](#)]

Allow the usage of "0" for Project/Conf.Package/Composition/Container - Releases.

#### 11.2.4 Folder Rename [[ADDS-10474](#)]

Allow renaming of Folder elements at any time.



### 11.2.5 CMP++ Checks [\[ADDS-10396\]](#)

The exact compare of Code Variants between AIDA and ADD for the Composition++-Check (Check 16) was replaced by a logical compare. For OUTPUTs the ADD-CodeVariant has to fulfill the presetting from AIDA. For INPUTs the ADD-CodeVariant has to fulfill at least the presetting from AIDA but can be more restrictive.

### 11.2.6 Composition Interface default change (Optional) [\[ADDS-10394\]](#)

Usually configurable interface elements will be displayed as OUTPUT. Via XML-Setting the default integration for configurable composition interface elements will be set to LOCAL. When the composition interface page will be opened, the default setting will be applied for all not configured elements and stored in the DB.

### 11.2.7 ADD-Offline Editor [\[ADDS-10393\]](#)

Now in offline mode the "Status" control is editable also for "fixed"/"sim.fixed" projects, conf.packages, compositions, containers, and data objects. This means a "fixed"/"sim.fixed" object can be reset to "draft" to make it editable again.

### 11.2.8 Display LongName for Units (Optional) [\[ADDS-10378\]](#)

If the XML setting is active the unit will be displayed as follows ", e.g. °C 'Grad Celsius'.

### 11.2.9 MO Recursive Fix [\[ADDS-9884\]](#)

Consider CIL Mapping Objects when using the ADD Recursive Fix feature.

### 11.2.10 Project context LOCALs Check (Optional) [\[ADDS-9953\]](#)

Perform the LOCALs check only in project context and for the current active project.

### 11.2.11 NameChecker GUI Enhancement [\[ADDS-11198\]](#)

General enhancement of the VITNameChecker\Builder GUI regarding the management of Catalogs.

## 11.3 Minor Improvements / Correction of Bugs

### 11.3.1 TreeView Tooltip [\[ADDS-10477\]](#)

Display Remark of Project/Conf.Package/Composition/Container treeview element as Tooltip.

### 11.3.2 Folder Description [\[ADDS-10476\]](#)

Attribute Description for Folder elements added.

### 11.3.3 Clone&Replace Enhancement [\[ADDS-10403\]](#)

General enhancement of ADD GUI function "Clone & Replace".

### 11.3.4 SW - DT Visibility (Optional) [\[ADDS-10395\]](#)

Hide Software Datatype Section within the DataObject Definition tab.

### 11.3.5 Class ProtoType Handling [\[ADDS-9848\]](#)

General enhancement of the Class ProtoType handling regarding Versions and TakeOver.

### 11.3.6 ClearingInfo Import (Optional) [\[ADDS-9788\]](#)

Readability of ClearingInfo Import information improved.

### **11.3.7 CNT CR Assignment (Optional) [[ADDS-8354](#)]**

Assign ChangeRequests to a Container only when creating a new DataObject.

### **11.3.8 Class Handling [[ADDS-10654](#)]**

General enhancement of ADD Class Instances/Types.

### **11.3.9 Composition+ +-Interface - OUTPUT/LOCAL handling [[ADDS-10642](#)]**

The LOCAL and OUTPUT calculation algorithm for the Composition+ +-Interface was adapted according to the customer specification.

### **11.3.10 Lib Freeze Check (Optional) [[ADDS-10430](#)]**

General enhancement of the Project Interface Check attributes for "frozen" Projects.

### **11.3.11 Class ProtoType Presentation [[ADDS-9875](#)]**

General Enhancement of the Class ProtoType Window regarding Class Elements.

### **11.3.12 Prj SC Configuration [[ADDS-11393](#)]**

Issues related to the erroneous handling of Project SystemConstant values via SC-Attribute "Configuration" in case of deactivated ADD feature "Conf. Package" fixed.

### **11.3.13 DO/ENUM Value Name (Optional) [[ADDS-11318](#)]**

Issues related to creation of DataObjects having the same name as an already existing Enumeration Value fixed.

### **11.3.14 ADD CMD Open Container [[ADDS-11300](#)]**

Issues related to open a Container in Project context via ADD Command Line start up fixed.

### **11.3.15 StructType Search [[ADDS-11295](#)]**

Issues related to an exception when opening StructType Management window fixed.

### **11.3.16 Input Clone & Add [[ADDS-11037](#)]**

Issues related to erroneous behaviour when naming an Input DataObject created via Clone&Add fixed.

### **11.3.17 RoW Clone & Add/Replace (Optional) [[ADDS-9822](#)]**

Remove "Imported" Flag when using Clone & Add or Clone & Replace on a RoW DataObject.

### **11.3.18 Sync OOM [[ADDS-11553](#)]**

General enhancement of ADDOffline Sync process in order to minimize the change of an Out-of-Memory exception when synchronizing many Containers.

### **11.3.19 CV DS Diff [[ADDS-11401](#)]**

Issues related to the consideration of Project/Conf. Package Dataspace elements disabled via CodeVariants within the Project/Conf. Package Compare fixed.

### **11.3.20 STD/FIX Map Sync [[ADDS-11257](#)]**

Issues related to an error when synchronizing a STD/FIX Map via ADDOffline Sync fixed.

**11.3.21 Delete Logical Bit [\[ADDS-11208\]](#)**

Issues related to an ADD exception when deleting a Logical Bit from a BitCarrier fixed.

**11.3.22 Oracle InstantClient Config [\[ADDS-11195\]](#)**

Issues related to the non-functional fallback to the local path fixed; redundant InstantClient setting within ADDConfig removed.

**11.3.23 Project VarSel TakeOver [\[ADDS-11106\]](#)**

Issues related to the reset of the Variant Criterion Values to "0" when taking over a new Variant Selector fixed.

**11.3.24 Class Instance Delete [\[ADDS-11083\]](#)**

Issues related to not automatically deleted Class Instance when deleting a parent Container fixed.

**11.3.25 Duplicated Conf.Packs [\[ADDS-11073\]](#)**

Issues related duplicated Conf. Package entries within the Conf. Packages treeview fixed.

**11.3.26 String Conv Value [\[ADDS-11048\]](#)**

Issues related to an error when trying to add a String Conversion Value with an already existing name fixed.

**11.3.27 Class Instance Name [\[ADDS-10978\]](#)**

Issues related to the erroneous automated naming of a new Class Instance Object fixed.

**11.3.28 Online Limit Diff [\[ADDS-10962\]](#)**

Issues related to an erroneous difference display of Online Limits within the Difference window fixed.

**11.3.29 NameBuilder\Checker Name Resolution [\[ADDS-10949\]](#)**

Issues related to an invalid resolution of given Name within the VITNameChecker\Builder and therefore a negative check of a correct DataObject Name fixed.

**11.3.30 Class Check [\[ADDS-10894\]](#)**

Issues related to non-sufficient feedback about failed Class Checks fixed.

**11.3.31 CV Sync [\[ADDS-10885\]](#)**

Issues related to an exceptions when synchronizing DataObjects with CodeVariants fixed.

**11.3.32 MO Sync [\[ADDS-10853\]](#)**

Issues related to a deceptive message during the synchronization of CIL Mapping Objects with Locked Source/Target elements fixed.

**11.3.33 CMP++ Interface Handling [\[ADDS-10709\]](#)**

Issues related to an erroneous handling of Composition++ Interface elements fixed.

**11.3.34 Composition Ref Versions [\[ADDS-10688\]](#)**

Issues related to an erroneous "New Versions" information within the Composition Reference section fixed.

**11.3.35 Conv Sync** [[ADDS-10569](#)]

Issues related to the creation of duplicated Conversions via ADDOffline Sync fixed.

**11.3.36 Change System Constant type (Optional)** [[ADDS-10389](#)]

Dependent from an XML setting it is possible now to change the type of a System Constant (SC) in a SC revision.

**11.3.37 ADD GUI DPI** [[ADDS-10353](#)]

Issues related to an erroneous display of ADD GUI controls using Windows DPI setting greater than 100% fixed

**11.3.38 Supplier Interface** [[ADDS-10104](#)]

Dependant from the interface container (CsAdp,BusAdp) status only project relevant custom tags will be displayed in the "Supplier Interface" tab page.

**11.3.39 Snapshot-CsAdp** [[ADDS-10063](#)]

It's not possible anymore to generate a variant of a CsAdp-Snapshot.

**11.3.40 DO Clone & Add** [[ADDS-9951](#)]

When a new data object will be created with "Clone and Add" but not stored in the database it will be removed automatically.

**11.3.41 Class ProtoType Error Handling** [[ADDS-9849](#)]

Issues related to an error loopback when trying to commit a Class ProtoType fixed.

**11.3.42 Class ImplSet TakeOver** [[ADDS-9048](#)]

Issues related to invalid default setting of a Class Implementation Set when copying or creating a new Classes fixed.

**11.3.43 Name Control** [[ADDS-8960](#)]

Issues related to invalid DataObject/Container/Composition/Conf. Package/Project names due to contained UTF-8 control characters fixed.

**11.3.44 ADD Reference Context** [[ADDS-8930](#)]

General enhancement of the Reference result information presentation for BusAdp elements of a Project.

**11.3.45 Init-Value DO Type Change** [[ADDS-11655](#)]

Issues related to an exception in ADD when changing the DataObject Type to Axes for a given DataObject with InitValues fixed.

**11.3.46 MO/DO CV Diff** [[ADDS-10852](#)]

Issues related to misleading difference information for CIL MappingObjects/DataObjects referenced in a CodeVariant fixed.

**11.3.47 Config Replication Setting** [[ADDS-11650](#)]

Issues related to an erroneous Replication setting behaviour in ADD when using DB Configuration fixed.

### **11.3.48 Redundant DO Sync [\[ADDS-11599\]](#)**

Issues related to a redundant synchronization of a DataObject fixed.

### **11.3.49 Frozen Check Multi Selection [\[ADDS-11611\]](#)**

Issues related to an exception when selecting a many elements within the Frozen Check window at the same time fixed.

## **11.4 ADDAdapter**

### **11.4.1 ADDAdapter Config Handling [\[ADDS-10237\]](#)**

ADDConfig load order of ADDAdapter (JAVA) adapted to ADD ADDConfig load order.

## **11.5 DDX HighLevel**

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## 12 What's new in Version V13.1.R3?

### 12.1 Highlights

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### 12.2 New Features, Major Improvements

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### 12.3 Minor Improvements / Correction of Bugs

#### 12.3.1 Embedded Axis Ref-Check [[ADDS-11916](#)]

Issues related to an erroneous check for missing SystemConstants referenced in embedded Axes (STD/FIX) fixed.

#### 12.3.2 BasedOn Changes [[ADDS-11915](#)]

Issues related to an added or removed DataObjects within Container based on "simfixed"/"fixed" Container fixed.

### 12.4 ADDAdapter

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### 12.5 DDX HighLevel

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## 13 What's new in Version V13.1.R1?

### 13.1 Highlights

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### 13.2 New Features, Major Improvements

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### 13.3 Minor Improvements / Correction of Bugs

#### 13.3.1 Project Adapter Config [[ADDS-11218](#)]

Issues related to the loss of the Project "Supplier Interface" setting "Adapter Configuration" when creating a new Variant/Release/Revision or Copy fixed.

#### 13.3.2 Project VarSel TakeOver [[ADDS-11106](#)]

Issues related to the reset of the Variant Criterion Values to "0" when taking over a new Variant Selector fixed.

#### 13.3.3 ADD CMD Open Container [[ADDS-11300](#)]

Issues related to open a Container in Project context via ADD Command Line start up fixed.

### 13.4 ADDAdapter

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### 13.5 DDX HighLevel

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## 14 What's new in Version V13.1.R0?

### 14.1 Highlights

#### 14.1.1 DB Customer Config (Optional) [[ADDS-9779](#)]

Allow usage/storage of ADD customer configuration settings (ADDConfig.xml) within ADD Database.

#### 14.1.2 VITNameChecker InstantClient [[ADDS-9673](#)]

Allow usage of Oracle InstantClient for VITNameChecker.

#### 14.1.3 AUTOSAR XML Export [[ADDS-8263](#)]

ARXML - Export added for ADD Container.

#### 14.1.4 Description Spellcheck (Optional) [[ADDS-8387](#)]

English/French/German spellcheck for DataObject/Container/Composition/Conf.Package/~~Projekt~~Project attribute "Description" added.

#### 14.1.5 Prj Class Dataspace (Optional) [[ADDS-7444](#)]

ADD Project dataspace configuration added for ADD Class elements.

#### 14.1.6 Prj Check Cnt Context [[ADDS-10040](#)]

Allow filtering of the Project Check result for a specific Container of the current Project.

#### 14.1.7 ADD User Notification (Optional) [[ADDS-9272](#)]

E-Mail attribute and notification mechanism added to ADD in order to notify Container owner about changed made by the One-Click feature.

#### 14.1.8 ADD NameChecker Read from DB (Optional) [[ADDS-5484](#)]

Force usage of Database NameChecker specification via ADDConfig configuration.

### 14.2 New Features, Major Improvements

#### 14.2.1 MDX Supplier Import [[ADDS-10572](#)]

Support import of complex mapped supplier interface Objects within MDX.

#### 14.2.2 CsAdp/BusAdp MDX Handling [[ADDS-10570](#)]

General enhancement of ADD CsAdp/BusAdp MDX - import.

#### 14.2.3 RoW Input Handling (~~Optional~~Optional) [[ADDS-10135](#)]

Harmonize handling of RoW - DataObjects of Classification "INPUT" accordingly to the RoW-OUTPUT handling.

#### 14.2.4 ADD & MDX [[ADDS-9436](#)]

Enhanced handling of MDX content in order to use \*.mdx-files as supplier exchange format.



#### 14.2.5 Struct Handling [\[ADDS-8869\]](#)

Handling regarding referenced Structure Types enhanced in order to have information about the impact and the possibility to manipulated referenced Structure Types.

#### 14.2.6 ENUM Handling [\[ADDS-8859\]](#)

Handling regarding referenced ENUMs enhanced in order to have information about the impact and the possibility to manipulated referenced ENUMs.

#### 14.2.7 DO New Release Restriction (Optional) [\[ADDS-10039\]](#)

Allow restriction to update DataObject references only in container of Status "draft" for the automated DataObject Release creation.

#### 14.2.8 Ref Dialog Handling [\[ADDS-6607\]](#)

Do not block the usage of ADD GUI when using ADD DataObject Reference window.

#### 14.2.9 ProcessLocal Attribute [\[ADDS-7512\]](#):

New attribute "ProcessLocal" for DataObjects of type "Online" and Classification "LOCAL" introduced.

### 14.3 Minor Improvements / Correction of Bugs

#### 14.3.1 ADD Offline String-Conv [\[ADDS-10321\]](#)

Issues related to an error when loading an ADD Offline database file (\*.ddx) containing String-Conversions fixed.

#### 14.3.2 NameChecker Check [\[ADDS-9991\]](#)

Issues related to an error during the check of a DataObject name via VITNameChecker fixed.

#### 14.3.3 DO ~~Selection~~Selection [\[ADDS-9952\]](#)

Issues related to casually erroneously selected Data Object within the ADD GUI when using the DO context menu fixed.

#### 14.3.4 Struct DDX Export [\[ADDS-9821\]](#)

Issues related to ~~alphabetically~~~~alphabetically order~~~~ordered~~ Structure Member elements during the ADD DDX export fixed.

#### 14.3.5 BusAdp CT History [\[ADDS-9660\]](#)

Issues related to undocumented CustomTag changes in special Container BusAdp fixed.

#### 14.3.6 MDX-Export Shift/Offset [\[ADDS-10858\]](#)

Issues related to invalid value for Fix Axis attributes Offset/Distance within the ADD MDX Export file fixed.

#### 14.3.7 Class Prototype ArraySize Deletion [\[ADDS-10772\]](#)

Issues related to invalid ArraySize settings of Class Instance after deleting the appropriate Class Prototype values fixed.

#### **14.3.8 NameChecker Sort Order** [[ADDS-10750](#)]

Issues related to the non-functioning sort method within VIT NameChecker GUI fixed.

#### **14.3.9 ENUM Search** [[ADDS-10287](#)]

Issues related to non-functioning Enumeration Value filter and low performance fixed.

#### **14.3.10 CMP Interface Local** [[ADDS-10198](#)]

Issues related to a deadlock when trying to set a DataObject of `Type` "Map" to "LOCAL" within a Composition fixed.

#### **14.3.11 DO Context Ref** [[ADDS-10177](#)]

Issues related to an erroneous scope setting when listing the references of a DataObject from within the "Search Data Object" dialog fixed.

#### **14.3.12 CT CsAdp Snapshot Handling** [[ADDS-10062](#)]

Issues related to manipulation of DataObject attribute "CustomTag" within a CsAdp Snapshot affecting the CsAdp main branch fixed.

#### **14.3.13 NameChecker Postfix Check** [[ADDS-10044](#)]

Issues related to constant negative return value of the Stand-Alone NameChecker when validating name with DO-Type relation fixed.

#### **14.3.14 Cmp Local-Check** [[ADDS-9977](#)]

Issues related to non-detected LOCAL Composition Interface elements of Sub-Compositions within the Composition Check fixed.

#### **14.3.15 ADD Offline Classification** [[ADDS-9791](#)]

Issues related to the non-applicable Classification setting in ADD Offline fixed.

#### **14.3.16 CIL Mapping Sync** [[ADDS-9714](#)]

Issues related to inconsistent behaviour when synchronising ADD DataObjects CIL Mapping fixed.

#### **14.3.17 ADD Network-Check** [[ADDS-9281](#)]

Enhanced network connection check added in order to avoid database timeout.

#### **14.3.18 StructTyp Embedded Axis Deletion** [[ADDS-9176](#)]

Issues related to deletion of an embedded Axis within a StructTyp Map fixed.

#### **14.3.19 SIM/SW DT Copy** [[ADDS-4575](#)]

Issues related to non-functioning "Copy" feature of Simulation/Software Datatype attributes fixed.

#### **14.3.20 VariantSelector Version Handling** [[ADDS-4575](#)]

Issues related to loss of settings when changing the version of a VariantSelector fixed; general Performance enhancement.

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## 14.4 ADDAdapter

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## 14.5 DDX HighLevel

### 14.5.1 DDXHL SW-DT [[ADDS-10076](#)]

Issues related to a randomly assigned Software-Datatype BaseType when setting SINT32 fixed.

### 14.5.2 DDXHL Embedded Maps [[ADDS-9066](#)]

Issues related to invalid embedded Map/Curve elements created via DDXHL fixed.

### 14.5.3 DDXHL CIL-Mappings [[ADDS-8822](#)]

Issues related to invalid CIL Mapping elements created via DDXHL fixed.

### 14.5.4 DDXHL Duplicate Unit-IDs [[ADDS-10880](#)]

Issues related to duplicated ID values for ADD UNITS within the created DDX file fixed.

## 15 No longer supported features

## 16 Questions?

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

### ADD Hotline

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### ADD Product page

Internet: <https://www.visu-it.de/add>