

## Automotive Data Dictionary

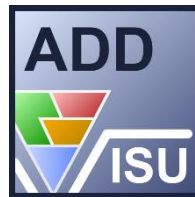
What's new in Version 12.3.R0?

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## 1 Purpose and scope

This document describes the improvements and changes of ADD V12.3 compared to V12.2

## 2 What's new in Version V12.3.R0?

### 2.1 Highlights

#### 2.1.1 Group Responsible [[ADDS-9345](#)]

Compose ADD User in Groups and use a Groups as ADD Object Responsible.

#### 2.1.2 Supplier Interface Handling (Optional) [[ADDS-8435](#)]

General enhancement regarding Project Supplier Interface information in order to ease the exchange interface information between supplier and manufacturer.

#### 2.1.3 AUTOSAR Runnables Support [[ADDS-8270](#)]

New Container attribute "Runnables" added in order to support AUTOSAR feature "Runnables" in ADD.

### 2.2 New Features, Major Improvements

#### 2.2.1 Cmp++ Interface Filter (Optional) [[ADDS-9686](#)]

Composition++ Interface element result list harmonized with Composition++ Interface Check; "Excluded Object Types" filter added.

#### 2.2.2 Cmp++ Interface Filter [[ADDS-9685](#)]

Composition++ Interface element list filter added in order to list ADD Output Objects.

#### 2.2.3 Composition Search Scope [[ADDS-9339](#)]

Composition/Composition++ search scope added to DataObject Search Dialog.

#### 2.2.4 ADD DO Selection [[ADDS-8996](#)]

Open specific Container in ADD via Command Line run and preselect a specific DataObject.

#### 2.2.5 MO Factor/Offset [[ADDS-8966](#)]

Division operator added to CIL Mapping Object attribute "Factor/Offset".

#### 2.2.6 DO C-Volatile Handling (Optional) [[ADDS-8503](#)]

Default handling for DataObject attribute "C-Volatile" adjusted.

#### 2.2.7 AccessFrequency Default Handling (Optional) [[ADDS-8494](#)]

Default setting of DataObject attribute "AccessFrequency" adapted.

### **2.2.8 Multi Signal Project Check [\[ADDS-8432\]](#)**

Project Check 10 enhanced in order to check for multiple usage of BusAdp Signals within a Project.

### **2.2.9 Prj Default VarCrit Assignment [\[ADDS-8385\]](#)**

Default VariantCriterion assignment handling for a Project VariantSelector adapted.

### **2.2.10 Class Handling [\[ADDS-8343\]](#)**

General enhancement of ADD Class Instances/Types.

### **2.2.11 Cross Inst. Parameter Prj Check [\[ADDS-7443\]](#)**

New Project Check "Cross Instance Parameter Version" added in order to check for multiple versions of Cross Instance Parameter within the Project Classes.

### **2.2.12 ADD Favorite View [\[ADDS-6785\]](#)**

Memorize Favorite View selection and apply on next ADD Start.

### **2.2.13 ROM Struct Instance/Type [\[ADDS-6784\]](#)**

General enhancement of Structure Instance/Type elements of memory type "ROM".

### **2.2.14 DCM-Export Word Wrap [\[ADDS-9336\]](#)**

Remove word wraps within DataObject LongNames in ADD DCM export.

### **2.2.15 Extended DataSpace (Optional) [\[ADDS-9143\]](#)**

ADD Project attribute "Extended DataSpace" renamed in "Basic DataSpace" (incl. configuration settings)

### **2.2.16 Prj DataVariant Consistence [\[ADDS-7514\]](#)**

Consistency check of VariantCoded DataVariants added to Project Check Number 8.

### **2.2.17 DS Handling [\[ADDS-6725\]](#)**

General enhancement of ADD DataSpace - Maps/Curves handling.

### **2.2.18 Conf. Pack Reference Handling [\[ADDS-4453\]](#)**

Conf. Packages reference handling adapted in order to ease the exchange of referenced Element Versions.

### **2.2.19 STD/FIX Axis TimePeriod [\[ADDS-8291\]](#)**

AccessFreq./MaxRefresh removed from Axis - DataObjects of Type STD/FIX.

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

### **2.3.1 Class STD/FIX Axis Rename [\[ADDS-9837\]](#)**

Issues related to invalid STD/FIX-Axis names after renaming the appropriate Map/Curve element fixed.

### **2.3.2 FormatString Class ImplSet [\[ADDS-9833\]](#)**

Show FormatString information within the Implementation Set tab of Classes.

### **2.3.3 Class Default Limits [\[ADDS-9832\]](#)**

Issues related non-automatic adaption of Class element Limits when changing the BaseType fixed.

### **2.3.4 Cmp++ DDX-Export [\[ADDS-9819\]](#)**

Issues related to insufficient User Rights to export a Composition++ to \*.ddx fixed.

### **2.3.5 BusAdp Signal Import [\[ADDS-9784\]](#)**

Issues related to missing BusAdp Signal after using the ADD BusAdp file import fixed.

### **2.3.6 Fixed Cmp++ Interface [\[ADDS-9766\]](#)**

Issues related to an invalid Composition++ Interface list within "fixed" Composition++ fixed.

### **2.3.7 Lib Freeze Check [\[ADDS-9749\]](#)**

Issues related to an erroneous Project Frozen-Check fixed.

### **2.3.8 Multiple Conversion Sync [\[ADDS-9661\]](#)**

Issues related to non-deterministic synchronisation of Conversion in case of multiple Conversion Versions fixed.

### **2.3.9 Project Check No. 6 [\[ADDS-9313\]](#)**

Issues related to erroneous listing DataObjects in Project Check Number 6 fixed.

### **2.3.10 Prj VarCod Reference [\[ADDS-9076\]](#)**

Issues related to the deletion of VariantSelectors when using multiple versions of special Container VarCod fixed.

### **2.3.11 DO Online Limit Handling (Optional) [\[ADDS-8333\]](#)**

Issues related to invalid Online DataObject Limits when changing Classification and using Config setting "DefaultLimits4Onlines" fixed.

### **2.3.12 Axis VarSel [\[ADDS-8136\]](#)**

Allow usage of an Axis without VariantSelector within multiple DataVariant Maps.

### **2.3.13 Logical Bits ChangeResponsible [\[ADDS-10020\]](#)**

Consider Logical Bits when changing responsible user of BitCarriers.

### **2.3.14 Project Tree Collapse [\[ADDS-9923\]](#)**

Issues related to an ADD crash when using the "Collapse" function of the ADD Project TreeView fixed.

### **2.3.15 STD/FIX Class Axis SW-DT [\[ADDS-9838\]](#)**

Issues related to incomplete Software-DataType list for STD/FIX Axes within a Class fixed.

### **2.3.16 Import Prj DataVariant [\[ADDS-9829\]](#)**

Issues related to not imported Project DataVariants when using "Import Project Content" function fixed.

### **2.3.17 Conversion-Search Result Order [\[ADDS-9718\]](#)**

Issues related to in valid Version sort order of Conversions within the Conversion Search dialog fixed.

### **2.3.18 CV References Dialog** [[ADDS-9635](#)]

Presentation of the CodeVariant Reference result enhanced.

### **2.3.19 ADD GUI DPI** [[ADDS-9590](#)]

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

### **2.3.20 New VDM Progressbar** [[ADDS-9502](#)]

Issues related to the vanishing of the progress bar within the new Visual Data Modeller when loading large ADD Projects fixed.

### **2.3.21 Class Embedded Axis** [[ADDS-9352](#)]

Issues related to the automated setting of SIM/SW-BaseTypes of Embedded Class Axis fixed.

### **2.3.22 Container Compare TXT-Export** [[ADDS-9051](#)]

Issues related to invalid \*.txt - Container - Compare exports fixed.

### **2.3.23 STD/FIX Axis Prj Check** [[ADDS-9016](#)]

Issues related to an erroneous Conversion check of STD/FIX Axes within a Project fixed.

### **2.3.24 Bit Task/MemSec** [[ADDS-8389](#)]

Issues related to erroneous presentation of DataObject attribute Task/Memory Section for Logical Bits fixed.

### **2.3.25 Curve DCM-Exports** [[ADDS-8249](#)]

Issues related to an invalid DCM-Export definition of 1-dimensional Map - DataObjects (Curves) fixed.

### **2.3.26 MDX-Export DS Ref-Array** [[ADDS-7986](#)]

Issues related to an invalid element reference name generated for DataSpace Map-DataObjects fixed.

### **2.3.27 DO Limit Representation** [[ADDS-7917](#)]

Issues related to an invalid representation of DataObject when using "Without Container-Information" - functionality within the DOsearch Dialog fixed.

### **2.3.28 STRING Conv Limits** [[ADDS-7316](#)]

Issues related to an erroneous export of STRING Conversion Limits into \*.ddx fixed.

### **2.3.29 CusServ XML Stream** [[ADDS-6850](#)]

Issues related to STD-Axis-XML-Information generated via CusServ fixed.

### **2.3.30 MDX Export FIX Axis Values** [[ADDS-6797](#)]

Issues related to missing values for FIX Axis within the ADD MDX - Export fixed.

### **2.3.31 Init-Value Check** [[ADDS-6601](#)]

Issues related to an erroneous Init-Value check result when changing the DataObject BaseType fixed.

### **2.3.32 CR DDX-Export [[ADDS-6600](#)]**

Issues related to the DDX-Export of special characters within the ChangeRequest attribute fixed.

### **2.3.33 Prj/Conf.Pack SC Values [[ADDS-6590](#)]**

Issues related to the setting of invalid SystemConstant values within the Project/Conf. Package - SystemConstant-Tab fixed.

### **2.3.34 DO Multi Selection [[ADDS-5092](#)]**

Issues related to erroneous multi-selection handling of DataObjects fixed.

### **2.3.35 Prj Supplier Interface Adapter [[ADDS-10159](#)]**

Issues related to invalid ADD Project Supplier Interface Adapter Configuration fixed.

### **2.3.36 Prj Supplier Interface Search [[ADDS-9922](#)]**

Issues related to an invalid CustomTag context within the ADD Project Supplier Interface Search functionality fixed.

### **2.3.37 Prj Supplier Interface Config [[ADDS-9564](#)]**

Issues related to removing the ADD Project Supplier Interface Configuration after changing the Project Status to "fixed"/"simfixed" fixed.

## **2.4 ADDAdapter**

### **2.4.1 ADDAdapter Conf. Pack DDX-Export [[ADDS-9341](#)]**

Support DDX-Export of Conf. Packages via ADDAdapter.

### **2.4.2 ADDAdapter Calib.Access/Rep.Model [[ADDS-8995](#)]**

Read access for DataObject attributes "Calib.Access" and "Rep.Model" added.

## **2.5 DDX HighLevel**

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## 3 What's new in Version V12.2.R2?

### 3.1 Highlights

### 3.2 New Features, Major Improvements

### 3.3 Minor Improvements / Correction of Bugs

#### 3.3.1 DO CV - Sync [[ADDS-9510](#)]

Issues related to inconsistent DataObject synchronization behaviour when synchronizing a DataObject containing a CodeVariant fixed.

#### 3.3.2 MDX BusAdp Switch [[ADDS-9565](#)]

Issues related to invalid values of the artificial BusAdp Signal switch elements within the ADD BusAdp MDX-Export fixed.

#### 3.3.3 NameChecker Validation [[ADDS-9721](#)]

Issues related to an erroneous validation of Label names containing multiple optional Catalog segments fixed. Please check also tool – known restriction file “ThisVersion.pdf”!

### 3.4 ADDAdapter

### 3.5 DDX HighLevel

-

## 4 What's new in Version V12.2.R0?

### 4.1 Highlights

#### 4.1.1 DO Type Change (Optional) [[ADDS-8517](#)]

Allow the usage of different DataObject Types within different DataObject versions.

#### 4.1.2 Prj/Cmp Version Check (Optional) [[ADDS-8259](#)]

Allow individual configuration of version check criterion for Project/Composition Checks No. 1.

#### 4.1.3 Prj FrozenCheck Handling [[ADDS-7943](#)]

Allow user to mark and memorize resolved Frozen Check conflicts.

#### 4.1.4 CV References Dialogue [[ADDS-7767](#)]

CodeVariant References dialogue added.

#### 4.1.5 Conversion Catalogues (Optional) [[ADDS-7505](#)]

Allow grouping of Conversions; use Conversion Catalogues as filter within the DataObject Definition tab.

#### 4.1.6 Conf. Pack Context Check [[ADDS-4694](#)]

Allow the Project Check of a Conf. Package for a virtually set Project context.

#### 4.1.7 CV Consistency (Optional) [[ADDS-3885](#)]

CodeVariant checks and import function added in order to ensure CodeVariant consistency between In- and Outputs.

### 4.2 New Features, Major Improvements

#### 4.2.1 CMP++ Interface Handling [[ADDS-8516](#)]

General enhancement of the element handling within the Composition++ Interface (e. g. DO Differences function).

#### 4.2.2 New VDM [[ADDS-9105](#)]

Matrix-View added to new Visual Data Modeller (New VDM)

#### 4.2.3 New CT Field [[ADDS-8433](#)]

New field "Clearing\_Info" added to CustomTag of type "CsAdp".

#### 4.2.4 CT View [[ADDS-8431](#)]

General enhancement of the CustomTag content view.

#### 4.2.5 CT System History [[ADDS-8430](#)]

Log indirect CustomTag changes also within the ADD History.



#### **4.2.6 ADD Reference Context [\[ADDS-8384\]](#)**

General enhancement of the Reference result information presentation in matters of the link between BusAdp/CsAdp to a Project.

#### **4.2.7 ADD DB Config [\[ADDS-8289\]](#)**

Allow usage of database SERVICE\_NAME within the database connection configuration.

#### **4.2.8 Init Value Copy&Paste [\[ADDS-8258\]](#)**

Allow Copy&Paste of Excel content into DataObject tab "Init Value".

#### **4.2.9 Supplier Interface References [\[ADDS-8213\]](#)**

New Reference dialogue added for Supplier Interface elements.

#### **4.2.10 Prj/Conf. Pack SC Check [\[ADDS-8211\]](#)**

Project Check No. 8 improved in order to check SystemConstant Value differences between a Project and the referenced Conf. Packages.

#### **4.2.11 CIL Mapping BitPos [\[ADDS-8093\]](#)**

Allow CIL Mapping Bit Position values only within range of the Target BaseType.

#### **4.2.12 Prj DS CodeVariants [\[ADDS-2821\]](#)**

Consider CodeVariant settings within the Project DataSpace tabs.

#### **4.2.13 Impl. Set Embedded Maps [\[ADDS-9028\]](#)**

Allow usage of Embedded Maps (and Axes) within a Class Implementation Set.

#### **4.2.14 AccessMode DO Attribute (Optional) [\[ADDS-8504\]](#)**

Attribute "AccessMode" is now a DataObject specific attribute (previously Container specific).

#### **4.2.15 Oracle InstantClient 64bit [\[ADDS-8296\]](#)**

Allow simultaneous specification 32 & 64 bit Oracle InstantClient - path within the ADD configuration file.

#### **4.2.16 Conf. Package TakeOver [\[ADDS-6670\]](#)**

General enhancement of Conf. Package TakeOver dialogue.

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

#### **4.3.1 ADD Multi-Monitor Support [\[ADDS-9065\]](#)**

Remember ADD Window locations also in case of multiple monitor usage.

#### **4.3.2 CV Handling [\[ADDS-8539\]](#)**

General enhancement of the CodeVariant presentation and handling.

#### **4.3.3 Get Container CV [\[ADDS-7621\]](#)**

Import also CodeVariant settings when using "Get Data Object from another Container".

#### **4.3.4 Conf. Package SC/DS - Tab [\[ADDS-6800\]](#)**

General handling enhancement of Conf. Package tabs "SystemConstant" and "DataSpace".

#### **4.3.5 NameChecker DO Postfix [\[ADDS-6664\]](#)**

Allow definition of individual DataObject Type postfixes within the VITNameChecker.

#### **4.3.6 SC References Values [\[ADDS-3897\]](#)**

SystemConstant Value attribute added to the References dialogue.

#### **4.3.7 ClassPrototype Embedded Axis [\[ADDS-9392\]](#)**

Issues related to the usage of one Embedded Axis element when creating a new version/copy of an Embedded Map fixed.

#### **4.3.8 MemSec Multi-Select [\[ADDS-8332\]](#)**

Issues related to invalid setting of attribute MemorySection via multi selection fixed.

#### **4.3.9 CIL Mapping MDX Import [\[ADDS-9366\]](#)**

Issues related to an erroneous MDX Import of complex CIL Mappings fixed.

#### **4.3.10 Conf. Pack/Project SC/DS Reload [\[ADDS-9325\]](#)**

Issues related to outdated SystemConstant/DataSpace values after running a Conf. Package TakeOver fixed.

#### **4.3.11 SC Conf. Packages TakeOver [\[ADDS-9314\]](#)**

Issues related to an invalid setting of supplied SystemConstant values during Conf. Package TakeOver fixed.

#### **4.3.12 Project Supplier Interface [\[ADDS-9293\]](#)**

Issues related to configuration problems of the Project Supplier Interface fixed.

#### **4.3.13 Conf. Package Compare [\[ADDS-9287\]](#)**

Issues related to an erroneous Conf. Package Compare run fixed.

#### **4.3.14 BusAdp MDX-Export [\[ADDS-9251\]](#)**

Set explicit suffix "PC" for BusAdp Interface DataObjects.

#### **4.3.15 ClassInstance Parameter Visibility [\[ADDS-9214\]](#)**

Issues related to an erroneous setting of the Visible attribute of ClassInstance global Parameters fixed.

#### **4.3.16 Short Desc Search DO [\[ADDS-9126\]](#)**

Issues related to an exception when searching for a specific "Short Description" within the "Search for DataObject" dialogue fixed.

#### **4.3.17 CMP++ Responsible [\[ADDS-9078\]](#)**

Issues related to an error when trying to change the Responsible of a Composition++ fixed.

#### **4.3.18 CMP++ CR/CG [\[ADDS-9024\]](#)**

Issues related to invalid values for attributes ChangeRequest/ConsistencyGroup after loading a Composition++ fixed.

#### **4.3.19 ADDOffline Static-BitCarrier [\[ADDS-9453\]](#)**

Issues related to unequal BitCarrier/BitMember 'static' attribute values fixed.

#### **4.3.20 ADDOffline DT-Sync [\[ADDS-9490\]](#)**

Issues related to synchronization problems for Datatypes when using multiple Conversion versions fixed.

#### **4.3.21 BusAdp Import [\[ADDS-9472\]](#)**

Issues related to problems during the import of BusAdp files containing multiple Bus Signal definitions fixed.

#### **4.3.22 Project Context Search/Ref [\[ADDS-9312\]](#)**

Issues related to invalid evaluation of CsAdp CustomTag settings within the Project related DataObject Search and References dialogue fixed.

### **4.4 ADDAdapter**

#### **4.4.1 ADDAdapter Dep.SC [\[ADDS-9319\]](#)**

Issues related to an exception when evaluating Dependent SystemConstants without a Condition fixed.

### **4.5 DDX HighLevel**

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## 5 What's new in Version V12.1.R54?

### 5.1 Highlights

-

### 5.2 New Features, Major Improvements

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### 5.3 Minor Improvements / Correction of Bugs

#### 5.3.1 BusAdp Signal Import [[ADDS-9784](#)]

Issues related to missing BusAdp Signal after using the ADD BusAdp file import fixed.

### 5.4 ADDAdapter

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### 5.5 DDX HighLevel

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## 6 What's new in Version V12.1.R53?

### 6.1 Highlights

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### 6.2 New Features, Major Improvements

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### 6.3 Minor Improvements / Correction of Bugs

#### 6.3.1 Prj/Conf. Package Compare/Check [[ADDS-9740](#)]

Issues related to an erroneous Project/Conf. Package Compare/Check run fixed.

### 6.4 ADDAdapter

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### 6.5 DDX HighLevel

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## 7 What's new in Version V12.1.R52?

### 7.1 Highlights

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### 7.2 New Features, Major Improvements

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### 7.3 Minor Improvements / Correction of Bugs

#### 7.3.1 MDX BusAdp Switch [[ADDS-9565](#)]

Issues related to invalid values of the artificial BusAdp Signal switch elements within the ADD BusAdp MDX-Export fixed.

### 7.4 ADDAdapter

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### 7.5 DDX HighLevel

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## 8 What's new in Version V12.1.R51?

### 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 MDX BusAdp Switch [[ADDS-9351](#)]

Issues related to invalid values of the artificial BusAdp Signal switch elements within the ADD BusAdp MDX-Export fixed.

#### 8.3.2 BusSignal Delta Exception [[ADDS-9342](#)]

Issues related to a fatal exception within the ADD BusAdp Signal Delta window when trying to take over an already linked element fixed.

#### 8.3.3 CIL Mapping MDX Import [[ADDS-9366](#)]

Issues related to an erroneous MDX Import of complex CIL Mappings fixed.

### 8.4 ADDAdapter

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### 8.5 DDX HighLevel

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## 9 What's new in Version V12.1.R50?

### 9.1 Highlights

#### 9.1.1 ClassPrototype Methode Args [[ADDS-8252](#)]

Argument and Return-Value handling added to ClassPrototype element SW-Services (Methods).

#### 9.1.2 CsAdp Version Branch [[ADDS-8382](#)]

Handle CustomTag settings of a CsAdp version branch separately from the main branch.

### 9.2 New Features, Major Improvements

#### 9.2.1 CsAdp/BusAdp MDX Handling [[ADDS-8819](#)]

General enhancement of ADD CsAdp/BusAdp MDX - import/export.

#### 9.2.2 Conf. Pack TakeOver [[ADDS-6801](#)]

General enhancement of Configuration Package TakeOver mechanisms.

#### 9.2.3 Conf. Pack TakeOver [[ADDS-6847](#)]

Memorize "Supplier" configuration of exchanged Configuration Package references.

#### 9.2.4 Project DS Handling [[ADDS-8121](#)]

General enhancement of Project DataSpace representation and handling.

#### 9.2.5 BusAdp Usability [[ADDS-8987](#)]

Detail view for mapped BusAdp object added; Mapping search dialogue enhancement.

#### 9.2.6 BusAdp CT Handling [[ADDS-8977](#)]

Issues related to the deletion of BusAdp DataObject-CustomTags fixed.

### 9.3 Minor Improvements / Correction of Bugs

#### 9.3.1 Class/Struct Limit Auto-Adjust [[ADDS-8380](#)]

Issues related to the missing auto-adjustment of Class/Struct - member Limit fixed.

#### 9.3.2 CsAdp/BusAdp Excel Auto-Export (Optional) [[ADDS-8935](#)]

Issues related to the CsAdp/BusAdp Excel Auto-Export fixed.

#### 9.3.3 DS Extended Default Value [[ADDS-8646](#)]

Issues related to the handling of DataSpace Extended default values fixed.

### 9.4 ADDAdapter

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## 9.5 DDX HighLevel

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## 10 What's new in Version V12.1.R4?

### 10.1 Highlights

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### 10.2 New Features, Major Improvements

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### 10.3 Minor Improvements / Correction of Bugs

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### 10.4 ADDAdapter

#### 10.4.1 ADDAdapter Cmp/Cnt Create [[ADDS-8381](#)]

Issues related to invalid creation of Composition/Container - SRSFileName via ADDAdapter fixed.

#### 10.4.2 ADDAdapter Cmp Structs [[ADDS-9238](#)]

Issues related to a crash of the ADDAdapter when using a DataObject of type Structure fixed.

### 10.5 DDX HighLevel

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## 11 What's new in Version V12.1.R3?

### 11.1 Highlights

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### 11.2 New Features, Major Improvements

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### 11.3 Minor Improvements / Correction of Bugs

#### 11.3.1 Project DO TakeOver [[ADDS-9109](#)]

Issues related to the erroneous takeover of Data Objects within not related Container in a Project using the "One-Click" feature fixed.

### 11.4 ADDAdapter

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### 11.5 DDX HighLevel

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## 12 What's new in Version V12.1.R2?

### 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 CodeVariant Sync [[ADDS-9040](#)]

Issues related to the synchronization of DataObjects/CIL Mapping without CodeVariants fixed.

#### 12.3.2 Conversion Fixed Sync [[ADDS-9019](#)]

Issues related to the synchronization of Conversions for "fixed" DataObjects fixed.

### 12.4 ADDAdapter

#### 12.4.1 JAVA Adapter CIL Mapping GetIsFixedSystemConstant [[ADDS-9030](#)]

Issues related to invalid return values of JAVAAdapter CIL Mapping method "GetIsFixedSystemConstant" fixed.

### 12.5 DDX HighLevel

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## 13 What's new in Version V12.1.R0?

### 13.1 Highlights

#### 13.1.1 Recursive Version Creation [[ADDS-6716](#)]

Recursively create new Variant/Version/Release of Container, Compositions and DataObjects within Project Context (Project Reference tab).

#### 13.1.2 BusAdp/CsAdp Excel Export Enhancement [[ADDS-7449](#)]

General enhancement of Excel export based on the all information of special Container BusAdp/CsAdp.

#### 13.1.3 Ref-Dlg CodeVar Info (Optional) [[ADDS-7532](#)]

Display active/non active DataObjects information within the DataObject Reference dialogue (Project Context only).

#### 13.1.4 BusAdp Compare [[ADDS-6729](#)]

Explicit compare for special Container BusAdp added.

#### 13.1.5 BusAdp Signal Information [[ADDS-6728](#)]

General enhancement regarding the BusAdp Signal Information gathered form BusAdp source files.

#### 13.1.6 CsAdp/BusAdp Excel Auto-Export (Optional) [[ADDS-6657](#)]

Create an Excel output based on the content of the appropriate special Container CsAdp/BusAdp during MDX-Export automatically.

#### 13.1.7 Cmp-Cnt Bulk Change (Optional) [[ADDS-5968](#)]

Allow bulk change of attribute "Status" of first level Containers referenced in a Composition.

### 13.2 New Features, Major Improvements

#### 13.2.1 CMP++ Check Enhancement [[ADDS-7970](#)]

General enhancement of the Composition++ - Checks.

#### 13.2.2 VarCoded Prj-DS [[ADDS-7690](#)]

Always allow VariantCoding of DataSpace elements within a Project.

#### 13.2.3 CsAdp DO Ref Import [[ADDS-7529](#)]

Import also dependent references (e.g. Axis - Online-Ref of a Map) of imported DataObjects.

#### 13.2.4 DO Safety-Relevant [[ADDS-7504](#)]

New DataObject attribute "Safety-Relevant" added.

### **13.2.5 DO CT Assignment Restriction (Optional) [[ADDS-7433](#)]**

Restrict DataObject CustomTag assignments to special Container CsAdp/BusAdp; allow setting also for INPUT DataObjects.

### **13.2.6 ADD CNT Selection [[ADDS-7191](#)]**

Open specific Container in ADD via Command Line run.

### **13.2.7 Prj-Check Diag\_Idx (Optional) [[ADDS-6760](#)]**

Ignore DataObjects of type "Diag\_Idx" in Project Check Nr. 2 & 3.

### **13.2.8 Project Frozen with Obsolete DO's (Optional) [[ADDS-6759](#)]**

Allow Project status "frozen" when using DataObjects in status "obsolete" within the "Supplier Interface".

### **13.2.9 CsAdp Excel Export [[ADDS-6658](#)]**

General enhancement of CsAdp Excel output file.

### **13.2.10 Conf. Pack/Cmp Multiple Ref List [[ADDS-6655](#)]**

Generate a list of all multiple referenced elements within a Conf. Package/Composition when exchanging references.

### **13.2.11 DS Value TakeOver [[ADDS-6654](#)]**

Confirmation dialogue for DataSpace - "Confirm All Project Data Space Values" - function added.

### **13.2.12 CIL Mapping Src/Trg Handling [[ADDS-6337](#)]**

Handling of CIL Mapping attribute "Source"/"Target" specification improved.

### **13.2.13 Migr. Sync Container Release (Optional) [[ADDS-4076](#)]**

Allow creation of a new Container Release during ADD Offline Migration Sync.

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

### **13.3.1 Recursive Fix SW-DT Auto Set (Optional) [[ADDS-8351](#)]**

Allow automated setting of Software Datatype attributes when using "Recursive Fixing" feature.

### **13.3.2 RoW Cmp+ +/Prj Check (Optional) [[ADDS-8222](#)]**

Enhanced Rest-of-World - attribute handling within the Composition+ +/Project Check.

### **13.3.3 CMP+ + Integration Check [[ADDS-8163](#)]**

New Composition+ + Check related to integration misconfiguration added.

### **13.3.4 ClassPrototype Ref-Handling [[ADDS-7753](#)]**

Allow changes of ClassPrototypes also when already referenced.

### **13.3.5 Prj/Conf.Pack Compare Enhancement [[ADDS-7513](#)]**

General enhancement of the Project/Conf. Package Compare to ease the recognition of differences.

### **13.3.6 Obsolete DO Refs [\[ADDS-2201\]](#)**

Show references also for DataObjects of Status "obsolete".

### **13.3.7 DO CMP++ Refs [\[ADDS-8335\]](#)**

Show Composition++ DataObject references within the References dialogue.

### **13.3.8 CMP++ Interface Validation [\[ADDS-8168\]](#)**

Several issues related to Composition++ interface validation fixed.

### **13.3.9 Inconsistent DDX - Export (Optional) [\[ADDS-7746\]](#)**

Abort DDX-Export in case of inconsistent Container content according to Container Check Nr. 1.

### **13.3.10 Dep. SC Upper Limit [\[ADDS-7521\]](#)**

Issues related to the usage of a Dependent SystemConstant as Upper-Limit with effective value "0" fixed.

### **13.3.11 DDX DataType [\[ADDS-5939\]](#)**

Issues related to duplicated "MO\_DATATYPE" ID's within a DDX file fixed.

### **13.3.12 Prj. Cnt-TakeOver [\[ADDS-8652\]](#)**

Issues related to problems during multiple Container TakeOver within a Project fixed.

### **13.3.13 Offline Condition Sync [\[ADDS-8487\]](#)**

Issues related to Dependent SystemConstant and CodeVariant Condition differences when using irrelevant paraphrases within condition formulas fixed.

### **13.3.14 Class-Prototype Impl. Set Change [\[ADDS-8224\]](#)**

Issues related to non-changeable "Implementation Set" attributes within "simfixed"/"fixed" Class-Prototypes fixed.

### **13.3.15 CR Clone & Add/Replace [\[ADDS-8177\]](#)**

Copy attribute "Change Request" values when using ADD function "Clone & Add" or "Clone & Replace".

### **13.3.16 Online Limits [\[ADDS-8142\]](#)**

Issues related to the change of Online Limit values when changing Classification from OUTPUT to LOCAL and using the DefaultOnlineOutput feature fixed.

### **13.3.17 Prj Check Nr. 1 Refs [\[ADDS-8091\]](#)**

Issues related to unrecognised second level reference version conflicts (e.g. Dependent SystemConstants) within Project Check Nr. 1 fixed.

### **13.3.18 Prj Check Nr. 2 VarSel [\[ADDS-8073\]](#)**

Issues related to unrecognised CsAdp/VarCod interface problems within Project Check Nr. 2 fixed.

### **13.3.19 BusAdp DO Mapping [\[ADDS-8069\]](#)**

Issues related to inconsistencies for DataObject/CustomTag within the BusAdp Container view fixed.

**13.3.20 Match-Case Search SQL Server [\[ADDS-7909\]](#)**

Support "Match Case" search option for SQL Server databases.

**13.3.21 KP-User Role/Right [\[ADDS-7070\]](#)**

Allow the Release/Revision creation of foreign, fixed Conf. Packages also for ADD Users with role KP-User.

**13.3.22 Lib-Freeze DO-Version Change [\[ADDS-6702\]](#)**

Enhanced check result display in case of a DataObject version change within the "Library Freeze" Check.

**13.3.23 Prj-Check BusAdp Inconsistency [\[ADDS-6224\]](#)**

Issues related to unrecognised BusAdp inconsistencies within the Project Check and "Supplier Interface" when using multiple BusAdp's fixed.

**13.3.24 DO isOwner Handling [\[ADDS-5991\]](#)**

Issues related to the reset of DataObject attribute "isOwner" when changing Classification fixed.

**13.3.25 DO Calib. Access [\[ADDS-5754\]](#)**

Issues related to the setting of an invalid "Calib. Access" value when changing the type of a DataObject fixed.

**13.3.26 FormatString TakeOver List [\[ADDS-8157\]](#)**

Column for Data Object attribute "FormatString" added to the list of TakeOver elements.

**13.3.27 DDX Prj-SC-ID Ref [\[ADDS-8047\]](#)**

Inconsistent ID references of Project - SystemConstants within the DDX files fixed.

**13.3.28 Prj/Conf.Pack/Cmp Ref & Responsible [\[ADDS-8871\]](#)**

Issues related to erroneously deleted Project/Conf. Packages/Composition references after changing Responsible and using TakeOver functionality fixed.

**13.4 ADDAdapter**

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**13.5 DDX HighLevel**

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## 14 What's new in Version V11.3.R4?

### 14.1 Highlights

### 14.2 New Features, Major Improvements

#### 14.2.1 CMP++ Integration Check [[ADDS-8163](#)]

New Composition++ Check related to integration misconfiguration added.

### 14.3 Minor Improvements / Correction of Bugs

#### 14.3.1 BusAdp CT [[ADDS-8365](#)]

Issues related to the auto-fill behaviour of attribute CustomTag for BusAdp DataObjects fixed.

#### 14.3.2 BusAdp Ref [[ADDS-8364](#)]

Issues related to invalid "Classification" information within the "Reference" dialogue for BusAdp DataObjects fixed.

#### 14.3.3 Prj Adapter Config [[ADDS-8361](#)]

Issues related to invalid "Configuration" set behaviour within the Project "Adapter Configuration" tab fixed.

#### 14.3.4 CMP++ Interface Check [[ADDS-8319](#)]

Issues related to invalid "Check" results within the Composition Interface tab fixed.

#### 14.3.5 CMP++ Struct-Ref [[ADDS-8318](#)]

Issues related to setting the Composition++ Status to "fixed" when containing a Struct element fixed.

#### 14.3.6 CMP++ Interface Validation [[ADDS-8168](#)]

Several issues related to Composition++ interface validation fixed.

#### 14.3.7 Prj. Package Interface Check [[ADDS-8348](#)]

Issues related to non-observed Composition Interface elements in Project Check No. 12 fixed.

#### 14.3.8 Class-Prototype Impl. Set Change [[ADDS-8224](#)]

Issues related to non-changable "Implementation Set" attributes within "simfixed"/"fixed" Class-Prototypes fixed.

### 14.4 ADDAdapter

### 14.5 DDX HighLevel

## 15 What's new in Version V11.3.R3?

### 15.1 Highlights

### 15.2 New Features, Major Improvements

#### 15.2.1 Class Prototype Enhancement [[ADDS-8105](#)]

General enhancement of Class Prototype handling in ADD.

#### 15.2.2 Composition Interface Enhancement [[ADDS-7965](#)]

General enhancement of Composition Interface feature.

### 15.3 Minor Improvements / Correction of Bugs

#### 15.3.1 Composition+ + Interface FormatString [[ADDS-8169](#)]

Issues related to non-changeable attribute "FormatString" of "Imported" Composition+ + Interface elements fixed.

#### 15.3.2 Sync DataType Change [[ADDS-8134](#)]

Issues related to illegal changes of ADD DataTypes during ADD Offline Sync fixed.

#### 15.3.3 Class Instance Lock [[ADDS-8042](#)]

Issues related to erroneous "Unlock" behavior of Class Instance elements fixed.

#### 15.3.4 Composition Interface [[ADDS-8076](#)]

Issues related to double click behavior for Composition Interface elements fixed.

### 15.4 ADDAdapter

### 15.5 DDX HighLevel

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## 16 What's new in Version V11.3.R1?

### 16.1 Highlights

### 16.2 New Features, Major Improvements

### 16.3 Minor Improvements / Correction of Bugs

#### 16.3.1 CV Sync [[ADDS-8014](#)]

Issues related to the ADD Offline Sync of CodeVariants fixed.

#### 16.3.2 ADDCusServ MemoryGroup [[ADDS-8078](#)]

Issues related to missing Container attribute "MemoryGroup" within customer DDX stream (ADDCusServ.dll) fixed.

#### 16.3.3 Class Prototype Label [[ADDS-8050](#)]

Issues related missing Class Prototype information fixed.

#### 16.3.4 ClassInstance Name [[ADDS-8041](#)]

Issues related to the change of ClassInstance names fixed.

### 16.4 ADDAdapter

### 16.5 DDX HighLevel

## 17 What's new in Version V11.3.R0?

### 17.1 Highlights

#### 17.1.1 Fixed/Draft DO TakeOver [[ADDS-6945](#)]

Enable DataObject version auto-increment when creating new Container versions.

#### 17.1.2 Draft DO TakeOver [[ADDS-6786](#)]

Allow takeover of "draft" DataObjects when creating new Container versions.

#### 17.1.3 Comp/Cnt/DO Recursive Fix [[ADDS-6779](#)]

Force change of Status from "draft" to "fixed" for subordinated objects of Compositions/Containers and DataObject references.

#### 17.1.4 Support BusAdp BAP [[ADDS-6757](#)]

Support of BAP file import for special Container BusAdp added.

#### 17.1.5 BusAdp Multiple Direction Signals [[ADDS-6727](#)]

Allow import and setting of BusAdp Signals used as Send and Receive.

#### 17.1.6 DO New Release [[ADDS-6671](#)]

Enable automatic creation of DataObject references when creating a new DataObject release.

#### 17.1.7 Support of Class-Objects [[ADDS-6423](#)]

New main object type "Class" added.

### 17.2 New Features, Major Improvements

#### 17.2.1 Dependent SC SIM BT (Optional) [[ADDS-7906](#)]

Allow usage of all available SIM BaseTypes for Dependent SystemConstants.

#### 17.2.2 Optional Online Init-Value [[ADDS-7391](#)]

Allow optional setting of Online Init - Values.

#### 17.2.3 Composition++ & Rest-of-World [[ADDS-7377](#)]

New flag ("Rest of World") added to element Composition++.

#### 17.2.4 Container/DO CR Handling [[ADDS-6780](#)]

DataObject ChangeRequest setting restricted to the settings of the superordinate Container ChangeRequest list.

#### 17.2.5 ADD Inactive User (Optional) [[ADDS-6661](#)]

Disconnect inactive ADD User from database.

### **17.2.6 Composition Interface** [[ADDS-6279](#)]

Mark and handle Composition Interface elements in means of Inter-Composition communication.

### **17.2.7 CsAdp Version Handling** [[ADDS-6269](#)]

Allow interface changes (INPUT/OUTPUT DataObjecs) for new versions of special Container CsAdp.

### **17.2.8 DT Resolution/Offset** [[ADDS-5989](#)]

Enable setting of Datatype Conversion based on Resolution and Offset value.

### **17.2.9 ADD Reference Context** [[ADDS-2303](#)]

Project context filter added to ADD Object References window.

### **17.2.10 ChangeRequest** [[ADDS-7940](#)]

Operations "Create new Version/Variant" and "Create new Release" are available in Composition+ + environment

### **17.2.11 BusAdp CT** [[ADDS-6701](#)]

Enable IssueNumber attribute of CustomTags within special Container BusAdp.

### **17.2.12 ADD Lock Performance** [[ADDS-7583](#)]

General ADD Lock - mechanism performance enhancement.

### **17.2.13 New VDM Improvements** [[ADDS-7145](#)]

General function improvements of tool "new" VDM.

### **17.2.14 Class Prototype Performance** [[ADDS-7553](#)]

General performance enhancement when loading and working with ADD Class Prototypes.

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

### **17.3.1 DDX Content Output** [[ADDS-6777](#)]

Force consistent content order within the DDX output files.

### **17.3.2 Prj.-Check & Customer DO-Versions** [[ADDS-7447](#)]

Ignore version differences for Customer Data Objects (BusAdp) within Project Check Nr. 1 for version label "Release" (depending on the applied Custom Tags).

### **17.3.3 STRING-Conversion** [[ADDS-4728](#)]

Issues related to update problem of STRING Conversion values fixed.

### **17.3.4 ADD MDX-Export SC-Ref** [[ADDS-7821](#)]

Issues related to the invalid reference IDs for SystemConstant - AxisSize definitions within the ADD MDX file fixed.

### **17.3.5 Search StructType/ClassInstance** [[ADDS-7789](#)]

Use case insensitive string for search of "Struct Types", "ClassPrototypes" and "ClassInstances".

### **17.3.6 CsAdp BitCarrier Handling** [[ADDS-7710](#)]

Allow usage of reduced LogicalBit member list for BitCarriers within special Container CsAdp.

### **17.3.7 CV Boolean SC** [[ADDS-7384](#)]

Issues related to the usage of SystemConstants with BaseType BOOL fixed.

### **17.3.8 Column Header Menu** [[ADDS-7366](#)]

Issues related to missing elements within the column header menu fixed.

### **17.3.9 DO List Resolution/Offset** [[ADDS-7364](#)]

Show "Resolution" and "Offset" column within DataObject List Mode view.

### **17.3.10 CIL Mapping CV Sync** [[ADDS-7472](#)]

Issues related to inconsistent behaviour when synchronizing CIL Mapping - CodeVariants fixed.

## **17.4 ADDAdapter**

### **17.4.1 ADDAdapter & MATLAB 64bit** [[ADDS-7541](#)]

Issues related to a crash of MATLAB 64bit when using ADDAdapter x64 in combination with SIMULINK Customization method "sl\_customization" fixed.

## **17.5 DDX HighLevel**

### **17.5.1 DDX CIL - CV - ID-REF** [[ADDS-7958](#)]

Issues related to the setting and usage of in-proper CodeVariant ID-References for CIL Mappings within DDX fixed.

## 18 No longer supported features

## 19 Questions?

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

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### ADD Product page

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