

## Automotive Data Dictionary

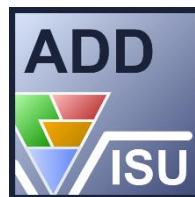
What's new in Version 13.2.R2?

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## Contents

<b>1</b>	<b><i>Purpose and scope</i></b>	<b>10</b>
<b>2</b>	<b><i>What's new in Version V13.2.R2?</i></b>	<b>10</b>
2.1	Highlights	10
2.2	New Features, Major Improvements	10
2.3	Minor Improvements / Correction of Bugs	10
2.3.1	Conversion Version <a href="#">[ADDs-11919]</a>	10
2.4	ADDAdapter	10
2.5	DDX HighLevel	10
<b>3</b>	<b><i>What's new in Version V13.2.R1?</i></b>	<b>11</b>
3.1	Highlights	11
3.2	New Features, Major Improvements	11
3.3	Minor Improvements / Correction of Bugs	11
3.3.1	ADD Sync Apply All <a href="#">[ADDs-11845]</a>	11
3.4	ADDAdapter	11
3.5	DDX HighLevel	11
<b>4</b>	<b><i>What's new in Version V13.2.R0?</i></b>	<b>12</b>
4.1	Highlights	12
4.1.1	ADD Oracle Performance <a href="#">[ADDs-11415]</a>	12
4.1.2	Dashboard & Gadgets <a href="#">[ADDs-11063]</a>	12
4.1.3	TreeView Display (Optional) <a href="#">[ADDs-10633]</a>	12
4.1.4	Cnt Folder View <a href="#">[ADDs-10475]</a>	12
4.1.5	Inverse Version Tree <a href="#">[ADDs-10377]</a>	12
4.1.6	DB-Based History (Optional) <a href="#">[ADDs-10334]</a>	12
4.1.7	Code Variants for Compositions (Optional) <a href="#">[ADDs-6770]</a>	12
4.2	New Features, Major Improvements	12
4.2.1	ADDOffline Predefs Handling (Optional) <a href="#">[ADDs-11325]</a>	12
4.2.2	Class Instance Check (Optional) <a href="#">[ADDs-11103]</a>	12
4.2.3	Zero Release <a href="#">[ADDs-10655]</a>	12
4.2.4	Folder Rename <a href="#">[ADDs-10474]</a>	12
4.2.5	CMP++ Checks <a href="#">[ADDs-10396]</a>	13
4.2.6	Composition Interface default change (Optional) <a href="#">[ADDs-10394]</a>	13
4.2.7	ADD-Offline Editor <a href="#">[ADDs-10393]</a>	13
4.2.8	Display LongName for Units (Optional) <a href="#">[ADDs-10378]</a>	13
4.2.9	MO Recursive Fix <a href="#">[ADDs-9884]</a>	13
4.2.10	Project context LOCALs Check (Optional) <a href="#">[ADDs-9953]</a>	13
4.2.11	NameChecker GUI Enhancement <a href="#">[ADDs-11198]</a>	13
4.3	Minor Improvements / Correction of Bugs	13
4.3.1	TreeView Tooltip <a href="#">[ADDs-10477]</a>	13
4.3.2	Folder Description <a href="#">[ADDs-10476]</a>	13
4.3.3	Clone&Replace Enhancement <a href="#">[ADDs-10403]</a>	13
4.3.4	SW - DT Visibility (Optional) <a href="#">[ADDs-10395]</a>	13
4.3.5	Class ProtoType Handling <a href="#">[ADDs-9848]</a>	13

4.3.6	ClearingInfo Import (Optional) [ <a href="#">ADDS-9788</a> ]	13
4.3.7	CNT CR Assignment (Optional) [ <a href="#">ADDS-8354</a> ]	14
4.3.8	Class Handling [ <a href="#">ADDS-10654</a> ]	14
4.3.9	Composition++-Interface - OUTPUT/LOCAL handling [ <a href="#">ADDS-10642</a> ]	14
4.3.10	Lib Freeze Check (Optional) [ <a href="#">ADDS-10430</a> ]	14
4.3.11	Class ProtoType Presentation [ <a href="#">ADDS-9875</a> ]	14
4.3.12	Prj SC Configuration [ <a href="#">ADDS-11393</a> ]	14
4.3.13	DO/ENUM Value Name (Optional) [ <a href="#">ADDS-11318</a> ]	14
4.3.14	ADD CMD Open Container [ <a href="#">ADDS-11300</a> ]	14
4.3.15	StructType Search [ <a href="#">ADDS-11295</a> ]	14
4.3.16	Input Clone & Add [ <a href="#">ADDS-11037</a> ]	14
4.3.17	RoW Clone & Add/Replace (Optional) [ <a href="#">ADDS-9822</a> ]	14
4.3.18	Sync OOM [ <a href="#">ADDS-11553</a> ]	14
4.3.19	CV DS Diff [ <a href="#">ADDS-11401</a> ]	14
4.3.20	STD/FIX Map Sync [ <a href="#">ADDS-11257</a> ]	14
4.3.21	Delete Logical Bit [ <a href="#">ADDS-11208</a> ]	15
4.3.22	Oracle InstantClient Config [ <a href="#">ADDS-11195</a> ]	15
4.3.23	Project VarSel TakeOver [ <a href="#">ADDS-11106</a> ]	15
4.3.24	Class Instance Delete [ <a href="#">ADDS-11083</a> ]	15
4.3.25	Duplicated Conf.Packs [ <a href="#">ADDS-11073</a> ]	15
4.3.26	String Conv Value [ <a href="#">ADDS-11048</a> ]	15
4.3.27	Class Instance Name [ <a href="#">ADDS-10978</a> ]	15
4.3.28	Online Limit Diff [ <a href="#">ADDS-10962</a> ]	15
4.3.29	NameBuilder\Checker Name Resolution [ <a href="#">ADDS-10949</a> ]	15
4.3.30	Class Check [ <a href="#">ADDS-10894</a> ]	15
4.3.31	CV Sync [ <a href="#">ADDS-10885</a> ]	15
4.3.32	MO Sync [ <a href="#">ADDS-10853</a> ]	15
4.3.33	CMP++ Interface Handling [ <a href="#">ADDS-10709</a> ]	15
4.3.34	Composition Ref Versions [ <a href="#">ADDS-10688</a> ]	15
4.3.35	Conv Sync [ <a href="#">ADDS-10569</a> ]	16
4.3.36	Change System Constant type (Optional) [ <a href="#">ADDS-10389</a> ]	16
4.3.37	ADD GUI DPI [ <a href="#">ADDS-10353</a> ]	16
4.3.38	Supplier Interface [ <a href="#">ADDS-10104</a> ]	16
4.3.39	Snapshot-CsAdp [ <a href="#">ADDS-10063</a> ]	16
4.3.40	DO Clone & Add [ <a href="#">ADDS-9951</a> ]	16
4.3.41	Class ProtoType Error Handling [ <a href="#">ADDS-9849</a> ]	16
4.3.42	Class ImplSet TakeOver [ <a href="#">ADDS-9048</a> ]	16
4.3.43	Name Control [ <a href="#">ADDS-8960</a> ]	16
4.3.44	ADD Reference Context [ <a href="#">ADDS-8930</a> ]	16
4.3.45	Init-Value DO Type Change [ <a href="#">ADDS-11655</a> ]	16
4.3.46	MO/DO CV Diff [ <a href="#">ADDS-10852</a> ]	16
4.3.47	Config Replication Setting [ <a href="#">ADDS-11650</a> ]	16
4.3.48	Redundant DO Sync [ <a href="#">ADDS-11599</a> ]	17
4.3.49	Frozen Check Multi Selection [ <a href="#">ADDS-11611</a> ]	17
<b>4.4</b>	<b>ADDAdapter</b>	<b>17</b>
4.4.1	ADDAdapter Config Handling [ <a href="#">ADDS-10237</a> ]	17
<b>4.5</b>	<b>DDX HighLevel</b>	<b>17</b>
<b>5</b>	<b>What's new in Version V13.1.R1?</b>	<b>18</b>
5.1	Highlights	18
5.2	New Features, Major Improvements	18

<b>5.3</b>	<b>Minor Improvements / Correction of Bugs</b>	<b>18</b>
5.3.1	Project Adapter Config [ <a href="#">ADDS-11218</a> ]	18
5.3.2	Project VarSel TakeOver [ <a href="#">ADDS-11106</a> ]	18
5.3.3	ADD CMD Open Container [ <a href="#">ADDS-11300</a> ]	18
<b>5.4</b>	<b>ADDAdapter</b>	<b>18</b>
<b>5.5</b>	<b>DDX HighLevel</b>	<b>18</b>
<b>6</b>	<b>What's new in Version V13.1.R0?</b>	<b>19</b>
<b>6.1</b>	<b>Highlights</b>	<b>19</b>
6.1.1	DB Customer Config (Optional) [ <a href="#">ADDS-9779</a> ]	19
6.1.2	VITNameChecker InstantClient [ <a href="#">ADDS-9673</a> ]	19
6.1.3	AUTOSAR XML Export [ <a href="#">ADDS-8263</a> ]	19
6.1.4	Description Spellcheck (Optional) [ <a href="#">ADDS-8387</a> ]	19
6.1.5	Prj Class Dataspace (Optional) [ <a href="#">ADDS-7444</a> ]	19
6.1.6	Prj Check Cnt Context [ <a href="#">ADDS-10040</a> ]	19
6.1.7	ADD User Notification (Optional) [ <a href="#">ADDS-9272</a> ]	19
6.1.8	ADD NameChecker Read from DB (Optional) [ <a href="#">ADDS-5484</a> ]	19
<b>6.2</b>	<b>New Features, Major Improvements</b>	<b>19</b>
6.2.1	MDX Supplier Import [ <a href="#">ADDS-10572</a> ]	19
6.2.2	CsAdp/BusAdp MDX Handling [ <a href="#">ADDS-10570</a> ]	19
6.2.3	RoW Input Handling (Optional) [ <a href="#">ADDS-10135</a> ]	19
6.2.4	ADD & MDX [ <a href="#">ADDS-9436</a> ]	19
6.2.5	Struct Handling [ <a href="#">ADDS-8869</a> ]	20
6.2.6	ENUM Handling [ <a href="#">ADDS-8859</a> ]	20
6.2.7	DO New Release Restriction (Optional) [ <a href="#">ADDS-10039</a> ]	20
6.2.8	Ref Dialog Handling [ <a href="#">ADDS-6607</a> ]	20
6.2.9	ProcessLocal Attribute [ <a href="#">ADDS-7512</a> ]:	20
<b>6.3</b>	<b>Minor Improvements / Correction of Bugs</b>	<b>20</b>
6.3.1	ADD Offline String-Conv [ <a href="#">ADDS-10321</a> ]	20
6.3.2	NameChecker Check [ <a href="#">ADDS-9991</a> ]	20
6.3.3	DO Selection [ <a href="#">ADDS-9952</a> ]	20
6.3.4	Struct DDX Export [ <a href="#">ADDS-9821</a> ]	20
6.3.5	BusAdp CT History [ <a href="#">ADDS-9660</a> ]	20
6.3.6	MDX-Export Shift/Offset [ <a href="#">ADDS-10858</a> ]	20
6.3.7	Class Prototype ArraySize Deletion [ <a href="#">ADDS-10772</a> ]	20
6.3.8	NameChecker Sort Order [ <a href="#">ADDS-10750</a> ]	21
6.3.9	ENUM Search [ <a href="#">ADDS-10287</a> ]	21
6.3.10	CMP Interface Local [ <a href="#">ADDS-10198</a> ]	21
6.3.11	DO Context Ref [ <a href="#">ADDS-10177</a> ]	21
6.3.12	CT CsAdp Snapshot Handling [ <a href="#">ADDS-10062</a> ]	21
6.3.13	NameChecker Postfix Check [ <a href="#">ADDS-10044</a> ]	21
6.3.14	Cmp Local-Check [ <a href="#">ADDS-9977</a> ]	21
6.3.15	ADD Offline Classification [ <a href="#">ADDS-9791</a> ]	21
6.3.16	CIL Mapping Sync [ <a href="#">ADDS-9714</a> ]	21
6.3.17	ADD Network-Check [ <a href="#">ADDS-9281</a> ]	21
6.3.18	StructTyp Embedded Axis Deletion [ <a href="#">ADDS-9176</a> ]	21
6.3.19	SIM/SW DT Copy [ <a href="#">ADDS-4575</a> ]	21
6.3.20	VariantSelector Version Handling [ <a href="#">ADDS-4575</a> ]	21
<b>6.4</b>	<b>ADDAdapter</b>	<b>22</b>

<b>6.5</b>	<b>DDX HighLevel</b>	<b>22</b>
6.5.1	DDXHL SW-DT [ <a href="#">ADDS-10076</a> ]	22
6.5.2	DDXHL Embedded Maps [ <a href="#">ADDS-9066</a> ]	22
6.5.3	DDXHL CIL-Mappings [ <a href="#">ADDS-8822</a> ]	22
6.5.4	DDXHL Duplicate Unit-IDs [ <a href="#">ADDS-10880</a> ]	22
<b>7</b>	<b>What's new in Version V12.3.R7?</b>	<b>23</b>
7.1	Highlights	23
7.2	New Features, Major Improvements	23
7.3	Minor Improvements / Correction of Bugs	23
7.3.1	Project Adapter Config [ <a href="#">ADDS-11218</a> ]	23
7.4	ADDAdapter	23
7.5	DDX HighLevel	23
<b>8</b>	<b>What's new in Version V12.3.R5?</b>	<b>24</b>
8.1	Highlights	24
8.2	New Features, Major Improvements	24
8.3	Minor Improvements / Correction of Bugs	24
8.3.1	Prj ID Search [ <a href="#">ADDS-10784</a> ]	24
8.4	ADDAdapter	24
8.5	DDX HighLevel	24
<b>9</b>	<b>What's new in Version V12.3.R4?</b>	<b>25</b>
9.1	Highlights	25
9.2	New Features, Major Improvements	25
9.3	Minor Improvements / Correction of Bugs	25
9.3.1	CMP/CNT Reference Exchange [ <a href="#">ADDS-10717</a> ]	25
9.4	ADDAdapter	25
9.5	DDX HighLevel	25
<b>10</b>	<b>What's new in Version V12.3.R3?</b>	<b>26</b>
10.1	Highlights	26
10.2	New Features, Major Improvements	26
10.3	Minor Improvements / Correction of Bugs	26
10.3.1	CMP++ Status Change [ <a href="#">ADDS-10533</a> ]	26
10.4	ADDAdapter	26
10.5	DDX HighLevel	26
<b>11</b>	<b>What's new in Version V12.3.R2?</b>	<b>27</b>
11.1	Highlights	27
11.2	New Features, Major Improvements	27
11.3	Minor Improvements / Correction of Bugs	27
11.3.1	ADD Offline String-Conv [ <a href="#">ADDS-10321</a> ]	27

11.4	<b>ADDAdapter</b>	27
11.5	<b>DDX HighLevel</b>	27
<b>12</b>	<b>What's new in Version V12.3.R1?</b>	<b>28</b>
12.1	<b>Highlights</b>	28
12.2	<b>New Features, Major Improvements</b>	28
12.2.1	RegEx NameBuilder [ADDS-10115]	28
12.3	<b>Minor Improvements / Correction of Bugs</b>	28
12.3.1	Bus Signal MDX-Export [ADDS-10274]	28
12.3.2	SC Prj. Check No. 8 [ADDS-9651]	28
12.3.3	Runnables UI-Handling [ADDS-10319]	28
12.3.4	NameChecker Postfix Check [ADDS-10044]	28
12.3.5	STD/FIX Volatile Handling [ADDS-10251]	28
12.4	<b>ADDAdapter</b>	28
12.5	<b>DDX HighLevel</b>	28
<b>13</b>	<b>What's new in Version V12.3.R0?</b>	<b>29</b>
13.1	<b>Highlights</b>	29
13.1.1	Group Responsible [ADDS-9345]	29
13.1.2	Supplier Interface Handling (Optional) [ADDS-8435]	29
13.1.3	AUTOSAR Runnables Support [ADDS-8270]	29
13.2	<b>New Features, Major Improvements</b>	29
13.2.1	Cmp++ Interface Filter (Optional) [ADDS-9686]	29
13.2.2	Cmp++ Interface Filter [ADDS-9685]	29
13.2.3	Composition Search Scope [ADDS-9339]	29
13.2.4	ADD DO Selection [ADDS-8996]	29
13.2.5	MO Factor/Offset [ADDS-8966]	29
13.2.6	DO C-Volatile Handling (Optional) [ADDS-8503]	29
13.2.7	AccessFrequency Default Handling (Optional) [ADDS-8494]	29
13.2.8	Multi Signal Project Check [ADDS-8432]	29
13.2.9	Prj Default VarCrit Assignment [ADDS-8385]	29
13.2.10	Class Handling [ADDS-8343]	30
13.2.11	Cross Inst. Parameter Prj Check [ADDS-7443]	30
13.2.12	ADD Favorite View [ADDS-6785]	30
13.2.13	ROM Struct Instance/Type [ADDS-6784]	30
13.2.14	DCM-Export Word Wrap [ADDS-9336]	30
13.2.15	Extended DataSpace (Optional) [ADDS-9143]	30
13.2.16	Prj DataVariant Consistence [ADDS-7514]	30
13.2.17	DS Handling [ADDS-6725]	30
13.2.18	Conf. Pack Reference Handling [ADDS-4453]	30
13.2.19	STD/FIX Axis TimePeriod [ADDS-8291]	30
13.3	<b>Minor Improvements / Correction of Bugs</b>	30
13.3.1	Class STD/FIX Axis Rename [ADDS-9837]	30
13.3.2	FormatString Class ImplSet [ADDS-9833]	30
13.3.3	Class Default Limits [ADDS-9832]	30
13.3.4	Cmp++ DDX-Export [ADDS-9819]	30
13.3.5	BusAdp Signal Import [ADDS-9784]	31
13.3.6	Fixed Cmp++ Interface [ADDS-9766]	31
13.3.7	Lib Freeze Check [ADDS-9749]	31

13.3.8	Multiple Conversion Sync [ADDS-9661]	31
13.3.9	Project Check No. 6 [ADDS-9313]	31
13.3.10	Prj VarCod Reference [ADDS-9076]	31
13.3.11	DO Online Limit Handling (Optional) [ADDS-8333]	31
13.3.12	Axis VarSel [ADDS-8136]	31
13.3.13	Logical Bits ChangeResponsible [ADDS-10020]	31
13.3.14	Project Tree Collapse [ADDS-9923]	31
13.3.15	STD/FIX Class Axis SW-DT [ADDS-9838]	31
13.3.16	Import Prj DataVariant [ADDS-9829]	31
13.3.17	Conversion-Search Result Order [ADDS-9718]	31
13.3.18	CV References Dialog [ADDS-9635]	31
13.3.19	ADD GUI DPI [ADDS-9590]	32
13.3.20	New VDM Progressbar [ADDS-9502]	32
13.3.21	Class Embedded Axis [ADDS-9352]	32
13.3.22	Container Compare TXT-Export [ADDS-9051]	32
13.3.23	STD/FIX Axis Prj Check [ADDS-9016]	32
13.3.24	Bit Task/MemSec [ADDS-8389]	32
13.3.25	Curve DCM-Exports [ADDS-8249]	32
13.3.26	MDX-Export DS Ref-Array [ADDS-7986]	32
13.3.27	DO Limit Representation [ADDS-7917]	32
13.3.28	STRING Conv Limits [ADDS-7316]	32
13.3.29	CusServ XML Stream [ADDS-6850]	32
13.3.30	MDX Export FIX Axis Values [ADDS-6797]	32
13.3.31	Init-Value Check [ADDS-6601]	32
13.3.32	CR DDX-Export [ADDS-6600]	32
13.3.33	Prj/Conf.Pack SC Values [ADDS-6590]	33
13.3.34	DO Multi Selection [ADDS-5092]	33
13.3.35	Prj Supplier Interface Adapter [ADDS-10159]	33
13.3.36	Prj Supplier Interface Search [ADDS-9922]	33
13.3.37	Prj Supplier Interface Config [ADDS-9564]	33
<b>13.4</b>	<b>ADDAdapter</b>	<b>33</b>
13.4.1	ADDAdapter Conf. Pack DDX-Export [ADDS-9341]	33
13.4.2	ADDAdapter Calib.Access/Rep.Model [ADDS-8995]	33
<b>13.5</b>	<b>DDX HighLevel</b>	<b>33</b>
<b>14</b>	<b>What's new in Version V12.2.R2?</b>	<b>34</b>
<b>14.1</b>	<b>Highlights</b>	<b>34</b>
<b>14.2</b>	<b>New Features, Major Improvements</b>	<b>34</b>
<b>14.3</b>	<b>Minor Improvements / Correction of Bugs</b>	<b>34</b>
14.3.1	DO CV - Sync [ADDS-9510]	34
14.3.2	MDX BusAdp Switch [ADDS-9565]	34
14.3.3	NameChecker Validation [ADDS-9721]	34
<b>14.4</b>	<b>ADDAdapter</b>	<b>34</b>
<b>14.5</b>	<b>DDX HighLevel</b>	<b>34</b>
<b>15</b>	<b>What's new in Version V12.2.R0?</b>	<b>35</b>
<b>15.1</b>	<b>Highlights</b>	<b>35</b>
15.1.1	DO Type Change (Optional) [ADDS-8517]	35
15.1.2	Prj/Cmp Version Check (Optional) [ADDS-8259]	35

15.1.3	Prj FrozenCheck Handling <a href="#">[ADDS-7943]</a>	35
15.1.4	CV References Dialogue <a href="#">[ADDS-7767]</a>	35
15.1.5	Conversion Catalogues (Optional) <a href="#">[ADDS-7505]</a>	35
15.1.6	Conf. Pack Context Check <a href="#">[ADDS-4694]</a>	35
15.1.7	CV Consistency (Optional) <a href="#">[ADDS-3885]</a>	35
<b>15.2</b>	<b>New Features, Major Improvements</b>	<b>35</b>
15.2.1	CMP++ Interface Handling <a href="#">[ADDS-8516]</a>	35
15.2.2	New VDM <a href="#">[ADDS-9105]</a>	35
15.2.3	New CT Field <a href="#">[ADDS-8433]</a>	35
15.2.4	CT View <a href="#">[ADDS-8431]</a>	35
15.2.5	CT System History <a href="#">[ADDS-8430]</a>	35
15.2.6	ADD Reference Context <a href="#">[ADDS-8384]</a>	36
15.2.7	ADD DB Config <a href="#">[ADDS-8289]</a>	36
15.2.8	Init Value Copy&Paste <a href="#">[ADDS-8258]</a>	36
15.2.9	Supplier Interface References <a href="#">[ADDS-8213]</a>	36
15.2.10	Prj/Conf. Pack SC Check <a href="#">[ADDS-8211]</a>	36
15.2.11	CIL Mapping BitPos <a href="#">[ADDS-8093]</a>	36
15.2.12	Prj DS CodeVariants <a href="#">[ADDS-2821]</a>	36
15.2.13	Impl. Set Embedded Maps <a href="#">[ADDS-9028]</a>	36
15.2.14	AccessMode DO Attribute (Optional) <a href="#">[ADDS-8504]</a>	36
15.2.15	Oracle InstantClient 64bit <a href="#">[ADDS-8296]</a>	36
15.2.16	Conf. Package TakeOver <a href="#">[ADDS-6670]</a>	36
<b>15.3</b>	<b>Minor Improvements / Correction of Bugs</b>	<b>36</b>
15.3.1	ADD Multi-Monitor Support <a href="#">[ADDS-9065]</a>	36
15.3.2	CV Handling <a href="#">[ADDS-8539]</a>	36
15.3.3	Get Container CV <a href="#">[ADDS-7621]</a>	36
15.3.4	Conf. Package SC/DS - Tab <a href="#">[ADDS-6800]</a>	37
15.3.5	NameChecker DO Postfix <a href="#">[ADDS-6664]</a>	37
15.3.6	SC References Values <a href="#">[ADDS-3897]</a>	37
15.3.7	ClassPrototype Embedded Axis <a href="#">[ADDS-9392]</a>	37
15.3.8	MemSec Multi-Select <a href="#">[ADDS-8332]</a>	37
15.3.9	CIL Mapping MDX Import <a href="#">[ADDS-9366]</a>	37
15.3.10	Conf. Pack/Project SC/DS Reload <a href="#">[ADDS-9325]</a>	37
15.3.11	SC Conf. Packages TakeOver <a href="#">[ADDS-9314]</a>	37
15.3.12	Project Supplier Interface <a href="#">[ADDS-9293]</a>	37
15.3.13	Conf. Package Compare <a href="#">[ADDS-9287]</a>	37
15.3.14	BusAdp MDX-Export <a href="#">[ADDS-9251]</a>	37
15.3.15	ClassInstance Parameter Visibility <a href="#">[ADDS-9214]</a>	37
15.3.16	Short Desc Search DO <a href="#">[ADDS-9126]</a>	37
15.3.17	CMP++ Responsible <a href="#">[ADDS-9078]</a>	37
15.3.18	CMP++ CR/CG <a href="#">[ADDS-9024]</a>	38
15.3.19	ADDOffline Static-BitCarrier <a href="#">[ADDS-9453]</a>	38
15.3.20	ADDOffline DT-Sync <a href="#">[ADDS-9490]</a>	38
15.3.21	BusAdp Import <a href="#">[ADDS-9472]</a>	38
15.3.22	Project Context Search/Ref <a href="#">[ADDS-9312]</a>	38
<b>15.4</b>	<b>ADDAdapter</b>	<b>38</b>
15.4.1	ADDAdapter Dep.SC <a href="#">[ADDS-9319]</a>	38
<b>15.5</b>	<b>DDX HighLevel</b>	<b>38</b>
<b>16</b>	<b>No longer supported features</b>	<b>39</b>



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*17 Questions?* \_\_\_\_\_ **39**

## 1 Purpose and scope

This document describes the improvements and changes of ADD V13.2 compared to V13.1

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

### 2.1 Highlights

-

### 2.2 New Features, Major Improvements

-

### 2.3 Minor Improvements / Correction of Bugs

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

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

### 2.4 ADDAdapter

-

### 2.5 DDX HighLevel

-

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

### 3.1 Highlights

- 

### 3.2 New Features, Major Improvements

- 

### 3.3 Minor Improvements / Correction of Bugs

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

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

### 3.4 ADDAdapter

- 

### 3.5 DDX HighLevel

-

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

### 4.1 Highlights

#### 4.1.1 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.

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

Introducing a customizable dashboard view in ADD based on PACES.

#### 4.1.3 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.

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

Folder View for Containers added.

#### 4.1.5 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.

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

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

#### 4.1.7 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.

### 4.2 New Features, Major Improvements

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

Load local ADDOffline configuration file Predefs.xml only.

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

Introducing new Class Instance checks on Container level.

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

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

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

Allow renaming of Folder elements at any time.

#### **4.2.5 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.

#### **4.2.6 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.

#### **4.2.7 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.

#### **4.2.8 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'.

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

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

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

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

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

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

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

#### **4.3.1 TreeView Tooltip [\[ADDS-10477\]](#)**

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

#### **4.3.2 Folder Description [\[ADDS-10476\]](#)**

Attribute Description for Folder elements added.

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

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

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

Hide Software Datatype Section within the DataObject Definition tab.

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

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

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

Readability of ClearingInfo Import information improved.

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

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

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

General enhancement of ADD Class Instances/Types.

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

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

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

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

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

General Enhancement of the Class ProtoType Window regarding Class Elements.

#### **4.3.12 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.

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

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

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

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

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

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

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

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

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

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

#### **4.3.18 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.

#### **4.3.19 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.

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

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

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

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

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

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

#### **4.3.23 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.

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

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

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

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

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

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

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

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

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

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

#### **4.3.29 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.

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

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

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

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

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

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

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

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

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

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

#### **4.3.35 Conv Sync [\[ADDS-10569\]](#)**

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

#### **4.3.36 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.

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

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

#### **4.3.38 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.

#### **4.3.39 Snapshot-CsAdp [\[ADDS-10063\]](#)**

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

#### **4.3.40 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.

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

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

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

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

#### **4.3.43 Name Control [\[ADDS-8960\]](#)**

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

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

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

#### **4.3.45 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.

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

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

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

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



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

Issues related to a redundant synchronization of a DataObject fixed.

#### **4.3.49 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.

### **4.4 ADDAdapter**

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

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

### **4.5 DDX HighLevel**

-

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

### 5.1 Highlights

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### 5.2 New Features, Major Improvements

-

### 5.3 Minor Improvements / Correction of Bugs

#### 5.3.1 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.

#### 5.3.2 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.

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

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

### 5.4 ADDAdapter

-

### 5.5 DDX HighLevel

-

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

### 6.1 Highlights

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

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

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

Allow usage of Oracle InstantClient for VITNameChecker.

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

ARXML - Export added for ADD Container.

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

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

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

ADD Project dataspace configuration added for ADD Class elements.

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

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

#### 6.1.7 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.

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

Force usage of Database NameChecker specification via ADDConfig configuration.

### 6.2 New Features, Major Improvements

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

Support import of complex mapped supplier interface Objects within MDX.

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

General enhancement of ADD CsAdp/BusAdp MDX - import.

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

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

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

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

### **6.2.5 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.

### **6.2.6 ENUM Handling [\[ADDS-8859\]](#)**

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

### **6.2.7 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.

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

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

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

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

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

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

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

### **6.3.2 NameChecker Check [\[ADDS-9991\]](#)**

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

### **6.3.3 DO Selection [\[ADDS-9952\]](#)**

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

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

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

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

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

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

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

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

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

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

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

### **6.3.9 ENUM Search [\[ADDS-10287\]](#)**

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

### **6.3.10 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.

### **6.3.11 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.

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

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

### **6.3.13 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.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

## 6.4 ADDAdapter

-

## 6.5 DDX HighLevel

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

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

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

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

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

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

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

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

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## 7 What's new in Version V12.3.R7?

### 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 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.

### 7.4 ADDAdapter

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### 7.5 DDX HighLevel

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## 8 What's new in Version V12.3.R5?

### 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 Prj ID Search [[ADDs-10784](#)]

Issues related to an erroneous behaviour in ADD regarding an invalid internal Project Search fixed.

### 8.4 ADDAdapter

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### 8.5 DDX HighLevel

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## 9 What's new in Version V12.3.R4?

### 9.1 Highlights

-

### 9.2 New Features, Major Improvements

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### 9.3 Minor Improvements / Correction of Bugs

#### 9.3.1 CMP/CNT Reference Exchange [[ADDS-10717](#)]

Issues related to a crash of ADD when exchanging Composition/Container version referenced in a Project fixed.

### 9.4 ADDAdapter

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### 9.5 DDX HighLevel

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## 10 What's new in Version V12.3.R3?

### 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 CMP++ Status Change [[ADDS-10533](#)]

Issues related to problems when fixing a CMP++ containing Interface DataObject Releases not contained within the referenced Container fixed.

### 10.4 ADDAdapter

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### 10.5 DDX HighLevel

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

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

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

### 11.4 ADDAdapter

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### 11.5 DDX HighLevel

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## 12 What's new in Version V12.3.R1?

### 12.1 Highlights

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### 12.2 New Features, Major Improvements

#### 12.2.1 RegEx NameBuilder [[ADDS-10115](#)]

Auto-fill name parts within the VITNameBuilder when using NameChecker in RegEx-mode.

### 12.3 Minor Improvements / Correction of Bugs

#### 12.3.1 Bus Signal MDX-Export [[ADDS-10274](#)]

Issues related to invalid BusAdp Signal information within the ADD MDX-Export file fixed.

#### 12.3.2 SC Prj. Check No. 8 [[ADDS-9651](#)]

Issues related to erroneously listed SystemConstant elements in ADD Project Check No. 8 in case of non-configured SCs within a Conf. Package fixed.

#### 12.3.3 Runnables UI-Handling [[ADDS-10319](#)]

Issues related to UI presentation and handling issues for Runnables Tab fixed.

#### 12.3.4 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.

#### 12.3.5 STD/FIX Volatile Handling [[ADDS-10251](#)]

Issues related to erroneous changes of setting "Volatile" for STD/FIX Axes fixed.

### 12.4 ADDAdapter

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### 12.5 DDX HighLevel

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

### 13.1 Highlights

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

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

#### 13.1.2 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.

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

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

### 13.2 New Features, Major Improvements

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

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

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

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

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

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

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

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

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

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

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

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

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

Default setting of DataObject attribute "AccessFrequency" adapted.

#### 13.2.8 Multi Signal Project Check [[ADDS-8432](#)]

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

#### 13.2.9 Prj Default VarCrit Assignment [[ADDS-8385](#)]

Default VariantCriterion assignment handling for a Project VariantSelector adapted.

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

General enhancement of ADD Class Instances/Types.

### **13.2.11 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.

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

Memorize Favorite View selection and apply on next ADD Start.

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

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

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

Remove word wraps within DataObject LongNames in ADD DCM export.

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

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

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

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

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

General enhancement of ADD DataSpace - Maps/Curves handling.

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

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

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

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

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

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

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

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

Show FormatString information within the Implementation Set tab of Classes.

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

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

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

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

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

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

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

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

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

Issues related to an erroneous Project Frozen-Check fixed.

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

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

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

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

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

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

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

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

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

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

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

Consider Logical Bits when changing responsible user of BitCarriers.

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

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

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

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

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

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

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

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

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

Presentation of the CodeVariant Reference result enhanced.

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

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

**13.3.20 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.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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



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

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

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

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

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

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

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

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

### **13.3.37 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.

## **13.4 ADDAdapter**

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

Support DDX-Export of Conf. Packages via ADDAdapter.

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

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

## **13.5 DDX HighLevel**

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

### 14.1 Highlights

### 14.2 New Features, Major Improvements

### 14.3 Minor Improvements / Correction of Bugs

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

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

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

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

#### 14.3.3 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”!

### 14.4 ADDAdapter

### 14.5 DDX HighLevel

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

### 15.1 Highlights

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

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

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

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

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

Allow user to mark and memorize resolved Frozen Check conflicts.

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

CodeVariant References dialogue added.

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

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

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

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

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

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

### 15.2 New Features, Major Improvements

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

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

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

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

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

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

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

General enhancement of the CustomTag content view.

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

Log indirect CustomTag changes also within the ADD History.

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

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

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

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

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

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

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

New Reference dialogue added for Supplier Interface elements.

### **15.2.10 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.

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

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

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

Consider CodeVariant settings within the Project DataSpace tabs.

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

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

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

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

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

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

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

General enhancement of Conf. Package TakeOver dialogue.

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

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

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

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

General enhancement of the CodeVariant presentation and handling.

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

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

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

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

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

Allow definition of individual DataObject Type postfixes within the VITNameChecker.

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

SystemConstant Value attribute added to the References dialogue.

#### **15.3.7 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.

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

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

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

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

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

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

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

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

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

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

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

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

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

Set explicit suffix "PC" for BusAdp Interface DataObjects.

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

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

#### **15.3.16 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.

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

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

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

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

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

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

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

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

### 15.3.21 BusAdp Import [\[ADDS-9472\]](#)

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

### 15.3.22 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.

## 15.4 ADDAdapter

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

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

## 15.5 DDX HighLevel

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## 16 No longer supported features

## 17 Questions?

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

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