



# Bugfixes

## 2025-25.10



### **Technical Inquiries**

Please ask the responsible contact person in our support department.

E-mail: [e3-support@de.zuken.com](mailto:e3-support@de.zuken.com)

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### **Contact**

Zuken E3 GmbH  
Laemmerweg 55  
D-89079 Ulm/Einsingen

Phone : +49 7305 9309-0  
Fax: +49 7305 9309-99  
Web: <http://www.zuken.com>  
E-mail: [e3-info@de.zuken.com](mailto:e3-info@de.zuken.com)



## NOTE regarding data conversion

Build	Single-User Project	Multi-User Project	Component library	COM-registration
25.00	< 25.00: yes	< 25.00: yes	< 25.00: yes	< 25.00: yes
25.10	< 25.00: yes	< 25.00: yes	< 25.00: yes	< 25.00: yes
	from 25.00: no	from 25.00: no	from 25.00: no	from 25.00: <b>yes</b>

### Projects and component library:

- **Yes:** The data is converted and can therefore no longer be opened with the indicated versions.
- **No:** The data is not converted and can therefore be opened with the indicated version.

### COM registration:

- **Yes:** The COM library has been changed and must be registered again. (start the program as ADMIN using „E3.series.exe /register“). Is done automatically during the installation of version 2025.



## NOTE regarding module dependency

If E3.RevisionManagement is in use, it is not supported due to

- *E3-1249 (COM: Extension of ExportForeign to also output ComponentPin attributes)*

It is mandatory to install **E3.RevisionManagement 25.0.1** (or newer).

## Bugfixes

The bug fixes are sorted and listed by numbers. This enables you, for example, to easily search for bugs reported to our support office.

E3-260	Via structure node, connector views are not locked indirectly (Designer-44100)
E3-271	Tooltip displays information on the incorrect device (Designer-44032)
E3-445	Formboard - Display pin attributes of connectors in each "row per core" (Designer-43613)
E3-446	When exporting wires to STEP, the error "E - Error in function STEPClosedShellCylinder::createCylinder(), ret = 2" may occur (Designer-44068)
E3-490	Starting tools with a license check (e.g. E3.3DRoutingBridge) takes an extremely long time if the e3s project has been opened on NetApp Unified Data Storage (Designer-43996)
E3-498	Hidden sheet graphics still exported with DXF/DWG export (Designer-44226)
E3-507	Performance improvement when switching options when connectors with many pins are placed on formboard sheets display_connection_targets() (Designer-44140)
E3-520	Schema_to_Cable no longer works with sp licenses with number of sheets in feature (Designer-43863)
E3-544	Panel - autom. wiring: new setting "Panel - Checks - Autoconnect - Wire/Core from pin <-> Component/Restricted" still causes meaningless messages and Japanese message is partly English (Designer-43430)
E3-545	Subcircuit cannot be updated (due to item validation) (Designer-44094)
E3-546	Better Warning "W - Attribute 'PDV Assembly Description' is not allowed for 'Busbar' objects." (Designer-44166)
E3-550	Panel - connection points of cable ducts are partially not displayed in 3D view (Designer-44133)
E3-553	Item validation prevents connecting with star reference (Designer-44185)
E3-674	Tooltip on connection should distinguish between hose/tube and wire (Designer-44124)
E3-675	Tooltip and connection properties show a different value for the inside diameter of hoses and pipes (Designer-44125)
E3-677	Schema types of sheets are changed when copying sheets (Designer-44205)
E3-678	Opening the component properties of an assembly in DBE takes too long (Designer-44206)
E3-768	When reading a .DF from DDS-C, connecting lines are drawn incorrectly
E3-782	The COM function 'Job.GetItemSheetIds' does not return any sheets for equipment with placed attribute text templates instead of normal symbols (Designer-44274)
E3-792	License e3.student or ViewerUpdate # Change in Zebra causes licence to change and thus opening existing projects (Designer-44069)
E3-797	Starting with /dbe does not work for small projects with sheet limitations other than 30 (Designer-43954)
E3-834	COM: ConnectLine.AddProtectionSymbolId() does not generate a node
E3-863	Bridge pins are not displayed as bridge pins in the Assignment view and in the equipment view for terminals
E3-897	Items don't appear in 3D sheet
E3-943	Copying from Formboard sheet generates error message "E - CCID:002527: DIM_ITEM/159389 (0-54-0-155fe1)::objptr1 points to Unknown/148967 which doesn't exist" (Designer-44122)
E3-963	When searching for change markers, shared sheets are not included

E3-994	After placing a component from the database, it takes 2 to 5 seconds before work can continue. (Designer-43850)
E3-1005	Changeable wire names of cables cannot be adapted in the connection table (Designer-44276)
E3-1006	The file E3_customid.dll is no longer generated (Designer-44167)
E3-1042	Size of a changeable model cannot be updated (Designer-44239)
E3-1045	Import drawing leads to error messages (Validation) (Designer-43896)
E3-1062	Beta Test: E3 Online Help Incomplete
E3-1090	Terminal can be moved even though it is already placed in the control cabinet
E3-1133	Attribute used for structuring is not inherited from the field (Designer-44240)
E3-1153	Updating the configuration does not take into account the "Changeable when owner is locked" and "Allow change of lock behavior" flags
E3-1158	2D view cannot be created if a sheet with characteristics has been created beforehand
E3-1170	Error importing a STEP file with B-splines.
E3-1172	An assigned block file cannot be deleted in the component properties (tab block) of a block (Designer-43682)
E3-1186	When creating the BOM, "variable is undefined: 'k'"
E3-1215	ExportForeign: Pins of unplaced terminals are not exported (Designer-36187)
E3-1252	CopyDatabaseEntries: If Source DB and Destination DB have the same configuration database, not all entries will be copied if there is a symbol
E3-1255	Designer-44230: Multiuser project must be opened twice for converting
E3-1269	Placed model is only displayed in the tree after refresh - F5
E3-1291	PDF Export: String length has bad value 44134 (minimum 0, maximum 32763)
E3-1302	Sheet Properties - Unable to lock region for all regions
E3-1313	Wrong operation of the settings - Placement - Device - Merge ignoring the connection direction of the conductors when merging
E3-1328	Window with "DB-Object Relations" remains blank
E3-1341	Highlighting of a wire in the panel is not updated in the 3D view
E3-1357	When dragging and dropping a component from the database tree into the equipment tree, the prohibition cursor appears
E3-1383	Conflict notification when changing attribute values that must be unique in the project
E3-1416	During SVG export, symbols containing an image are not rotated correctly and scaled incorrectly (Designer-11976)
E3-1430	Device properties tab: the PLC address is not displayed in full
E3-1478	Error message "Error in function graph\traverse_graph(), ret = 1" when trimming a mounting rail
E3-1550	"Reload Settings" overrides a setting that cannot be changed interactively
E3-1591	The device dialogue is so large due to slots/pins, with VAR/OPT in standard mode
E3-1597	COM: The set of attributes determined in the MU environment differs when using /Redliner and /Cable
E3-1628	Alternative components are not displayed in combination with cable, hose, tube
E3-1632	Connection name from the language database can no longer be assigned - Message - Connection name '&#xxxx;' contains invalid characters
E3-1634	Mating connectors of connectors with inserts are not placed as complete device
E3-1637	Panel - Standard measurement unit inches - Rounding error when entering absolute coordinates (Designer-43933)
E3-1667	DBE: Text Properties: The Position field is active, but no value can be entered

- E3-1727 COM; plugin; OnAfterModify event; ModifyObjects does not contain any CELL items, among other things
- E3-1758 DXF import cannot fit text in box (Designer-21991)
- E3-1788 Error in the project causes a crash when converting to a higher version
- E3-1836 Error message when too many components are found in the search (SQL)
- E3-1839 Drill hole definition for dynamic cable duct is not consistently displayed in inches
- E3-1840 Text cannot be changed / COM; Txt. SetText() doesn't work
- E3-1921 Unexpected result when copying data from Excel to the terminal table
- E3-2055 Objects with variants/options cannot be merged if the group is different
- E3-2060 Warning "component not found" during COM call job. ExportToDB for assemblies
- E3-2113 "Copy/Paste" and "Place at original position" depends on the position of the cursor on the sheet
- E3-2141 The manual entry of the scaling factor when creating 2D views is not accepted
- E3-2210 Crash when placing a component from the database window
- E3-2216 There are unnecessary entries in the 'settings.cfg' control file
- E3-2343 Error in PDF export for texts with text height < 0.1 mm
- E3-2398 Plugged-in component of an assembly is displayed in a shifted position.

## Feature Enhancements

Additionally, we also have added some new / enhanced functionality in this service pack.

E3-51	Graphical comparison - Consistent presentation of the result Schematic/panel/formboard (Designer-43560)
E3-709	COM: new method for focussing on multiple objects - e3JobInterface.FocusOnIDs() (Designer-44044)
E3-751	DBE STEP Import: better support for small designs
E3-845	ExportForeign should output type of signal and signal classes and, if necessary, which class a signal is contained in (Designer-40119)
E3-852	STEP Import: Support for circles made up of arcs
E3-1214	Introduction of the ContentVersion for the XML output of ExportForeign
E3-1248	COM function 'prj.ExportForeign()' Should Also Export Empty Structure Node Names (Designer-38974)
E3-1249	COM: Extension of ExportForeign to also output ComponentPin attributes (Designer-21239)
E3-1352	COM: DBE - new methods Dbe.Save(), Dbe.SaveAs(), Dbe.GetFileName() (Designer-34436)
E3-1379	For NET Core plugins, .NET 8.0 should also be supported as a target.
E3-1397	DBE COM: new interface "DbeJob" introduced
E3-2151	All conversions from the basic version should be specified in the documentation of a service pack
E3-2225	COM: New GetMeasure/SetMeasure Methods for the DBEApplicationInterface (Designer-37674)

# Last Minute Information

Last-minute information that has not yet found its way into the E3 documentation.

## Regarding E3-1249

The structure of the XML file has been extended:

```
<ComponentPins>
  <ComponentPin GID="0-10-0-873" TempID="23140" PinName="1" ComponentGID="0-12-0-871" CustomID="368764335">
    <Attributes>
      <Attribute GID="0-4-0-874" TempID="23457" AttName="Cmpin" AttValue="mycmpin" AttPosition="0" Instance="1" OwnerGID="0-10-0-873" OwnerType="4" OwnerIsActive="1" Version="1" CustomID="929517217">
      </Attribute>
      <Attribute GID="0-4-0-875" TempID="23467" AttName="DevpinCmpin" AttValue="myompin" AttPosition="0" Instance="1" OwnerGID="0-10-0-873" OwnerType="4" OwnerIsActive="1" Version="1" CustomID="1968862098">
      </Attribute>
    </Attributes>
  </ComponentPin>
</ComponentPins>
```

- **GID:** Gid of the component pin
- **TempID:** CMPPIN\_REC item number of the component pin
- **PinName:** Name of the component pin
- **ComponentGID:** Gid of the component to which the pin belongs
- **CustomID:** Guid of the component pin (with or without CustomId.dll)
- Attributes are identical to other sections

In the Pin section there is a new attribute ComponentPinGID, which contains the Gid of the component pin (linking back to the component).

## Regarding E3-1397

There is a new COM interface in the DBE: Dbe-Job-Interface. There are now calls there that were previously only in the Dbe application interface. The calls in the Dbe application interface are still available and have not been changed.

An optional parameter 'flags' has been added to some of the new calls in the Dbe job interface if it was not already present in the corresponding call in the Dbe application interface. If the optional parameter 'flags' is not transferred, the default value is 0.

In addition, the return values have been adapted to the current specifications, i.e. the return value is 1 on success. The details of the individual calls are described in the following list.

There are also new calls in the Dbe application interface (see below).

GetId()	As usual. The return value is the ID of the current project.
SetId()	As usual. The return value is the ID of the set project.
Save()	As in the Dbe application interface.
SaveAs()	As in the Dbe application interface.
CreateDbeComponentObject()	As in the Dbe application interface.
CreateDbeAttributeObject()	As in the Dbe application interface.
CreateDbeSymbolObject()	As in the Dbe application interface.
CreateDbeTextObject()	As in the Dbe application interface.
CreateDbeGraphObject()	As in the Dbe application interface.
CreateDbeModelObject()	As in the Dbe application interface.



CreateDbeModelPinObject()	As in the Dbe application interface.
CreateDbeNodeObject()	As in the Dbe application interface.
CreateDbeSlotObject()	As in the Dbe application interface.
NewModel()	As in the Dbe application interface, but <ul style="list-style-type: none"> <li>○ the return value is -9 if no project is open</li> <li>○ the return value is 1 if successful</li> </ul>
EditModel()	As in the Dbe application interface, but <ul style="list-style-type: none"> <li>○ new optional parameter 'flags'</li> <li>○ the return value is -1 if no project is open</li> <li>○ the return value is -4 if invalid flags are passed</li> <li>○ the return value is 1 if successful</li> </ul>
DeleteModel()	As in the Dbe application interface, but <ul style="list-style-type: none"> <li>○ new optional parameter 'flags'</li> <li>○ the return value is -5 if no project is open</li> <li>○ the return value is -6 if invalid flags are passed</li> <li>○ the return value is 1 if successful</li> </ul>
GetModelIds()	As in the Dbe application interface, but <ul style="list-style-type: none"> <li>○ new optional parameter 'flags'</li> <li>○ the return value is -2 if invalid flags are passed</li> </ul>
GetActiveModelId()	As in the Dbe application interface.
NewSymbol()	As in the Dbe application interface, but <ul style="list-style-type: none"> <li>○ the return value is -1 if no project is open</li> <li>○ the return value is -8 if invalid flags are passed</li> <li>○ the return value is 1 if successful</li> </ul>
EditSymbol()	As in the Dbe application interface, but <ul style="list-style-type: none"> <li>○ new optional parameter 'flags'</li> <li>○ the return value is -1 if no project is open</li> <li>○ the return value is -6 if invalid flags are passed</li> <li>○ the return value is 1 if successful</li> </ul>
DeleteSymbol()	As in the Dbe application interface, but <ul style="list-style-type: none"> <li>○ new optional parameter 'flags'</li> <li>○ the return value is -6 if no project is open</li> <li>○ the return value is -7 if invalid flags are passed</li> <li>○ the return value is 1 if successful</li> </ul>
GetSymbolIds()	As in the Dbe application interface, but <ul style="list-style-type: none"> <li>○ new optional parameter 'flags'</li> <li>○ the return value is -2 if invalid flags are passed</li> </ul>
GetActiveSymbolId()	As in the Dbe application interface.
NewComponent()	As in the Dbe application interface, but <ul style="list-style-type: none"> <li>○ the return value is -1 if no project is open</li> <li>○ the return value is -8 if invalid flags are passed</li> <li>○ the return value is 1 if successful</li> </ul>

EditComponent()	As in the Dbe application interface, but <ul style="list-style-type: none"> <li>○ new optional parameter 'flags'</li> <li>○ the return value is -1 if no project is open</li> <li>○ the return value is -6 if invalid flags are passed</li> <li>○ the return value is 1 if successful</li> </ul>
DeleteComponent()	As in the Dbe application interface, but <ul style="list-style-type: none"> <li>○ new optional parameter 'flags'</li> <li>○ the return value is -6 if no project is open</li> <li>○ the return value is -7 if invalid flags are passed</li> <li>○ the return value is 1 if successful</li> </ul>
GetComponentIds()	As in the Dbe application interface, but <ul style="list-style-type: none"> <li>○ new optional parameter 'flags'</li> <li>○ the return value is -2 if invalid flags are passed</li> </ul>
GetActiveComponentId()	As in the Dbe application interface.
Close()	As in the E3 job interface, but <ul style="list-style-type: none"> <li>○ new optional parameter 'flags'</li> <li>○ the return value is -1 if invalid flags are transferred</li> </ul>
New()	As in the E3 job interface, but <ul style="list-style-type: none"> <li>○ new optional parameter 'flags'</li> <li>○ the return value is -1 if invalid flags are transferred</li> <li>○ the return value is -2 if a project is already open</li> </ul>
Create()	As in the E3 job interface, but <ul style="list-style-type: none"> <li>○ new optional parameter 'flags'</li> <li>○ the return value is -1 if invalid flags are transferred</li> <li>○ the return value is -2 if a project is already open</li> </ul>
Open()	As in the E3 job interface, but <ul style="list-style-type: none"> <li>○ new optional parameter 'flags'</li> <li>○ the return value is -1 if invalid flags are transferred</li> </ul>
GetPath()	As in the E3 job interface.
GetName()	As in the E3 job interface.
GetType()	As in the E3 job interface.
<b>New Calls</b>	<b>In the Dbe-Application-Interface</b>
GetJobCount()	As in the E3 application interface.
GetJobIds()	As in the E3 application interface.

## Regarding E3-2225

There are two new methods in the DbeJobInterface:

- GetSettingValue()
- SetSettingValue()

The unit of measurement can be queried and set in the DBE using the setting name 'MEA\_EXTERN'. The valid values for the units of measurement are:

- Inch: 1
- Mil (Thousandth of an inch): 2
- Millimetre: 14
- Tenth of a millimetre: 15



## Americas

### North America

Zuken USA Inc.  
Westford, MA 01886, USA  
Tel: +1 978 692 4900

### Asia

#### Japan

Zuken (World Wide Head Office)  
Yokohama, Kanagawa 224-8585, Japan  
Tel: +81 45 942 1511

#### China

Zuken (Shanghai) Technical Center Co., Ltd.  
Room 301, No.555 Nanjing West Road, Shanghai,  
200041, People's Republic of China  
Tel: +86-21-3218-1784

#### Korea

Zuken Korea Inc.  
Seoul 135-283, Korea  
Tel: +82 2 5648031

#### Singapore

Zuken Singapore Pte Ltd.  
#22-05 Gateway East, Singapore 189721  
Tel: +65 6392 5855

#### Taiwan

Zuken Taiwan Inc.  
Taipei 110, Taiwan  
Tel: +886 2 7718 1116



## Europe

### Germany

Zuken GmbH (European HQ)  
D-85399 Hallbergmoos, Germany  
Tel: +49 89 7104059 00

Zuken E3 GmbH  
D-89079 Ulm, Germany  
Tel: +49 7305 9309 0

Zuken E3 GmbH  
D-30659 Hannover, Germany  
Tel: +49 511 8595 9489

### Switzerland

Zuken E3 GmbH  
CH-5504 Othmarsingen, Switzerland  
Tel: +41 62 561 08 00

### United Kingdom

Zuken UK Ltd.  
Bristol, BS32 4RF, UK  
Tel: +44 1454 207 801

### France

Zuken S.A.  
#91974 Les Ulis Cédex, France  
Tel: +33 1 69 29 48 00

### Italy

Zuken S.r.l.  
20090 Milanofiori Assago, Milan, Italy  
Tel: +39 02 575 921

### Netherlands

Zuken GmbH  
NL-6075 HA Herkenbosch, The Netherlands  
Tel: +31 475 520 998