

HiCAD Configuration Management

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Configuration Management (CM)

As of Version 1700, HiCAD enables a central configuration management via the **Configuration Editor**. This tool allows the creation of customer-specific configurations for a wide range of tasks, such as dimensioning, annotation, workshop drawing creation, fitting of vertical ladders etc. Once adjusted to company-specific requirements, these configurations can directly be used in HiCAD, without having to specify any further settings.

The goal of our further developments is a gradual transfer of the previously used system files (*.DAT) with their adjustable parameter settings into the Configuration Editor, thus enabling a central and safe configuration management.

You can find an overview of the already transferred DAT files in the topic Transfer of DAT Files to the Configuration Editor or in the PDF file Key names.pdf.

If the PDF file will not be displayed in the Internet Explorer, use a different browser , or right-click on the link and select **Save target as**.

Various information contained in the Online Help of the Configuration Management can also be found in the PDF file ISD-Configuration.pdf.

Range of features

Hierarchical management of configuration data in the form of module properties

Settings are assigned to modules and sub-modules in a tree-like structure, and represent properties defining the **Behaviour** of a module. The categorization facilitates the retrieval of individual settings.

Central data storage

The configuration data are centrally stored in a database file in a defined location within the user system, which enables an easy backing up, restoring or copying of data.

User-specific data storage

The property definitions are stored separately from the actual user settings. This allows a working in multi-user environments while eliminating the risk that a user accidentally manipulates the configuration of other users.

Derived configurations

Configuration Management allows, in addition to the basic configuration supplied by the ISD, the utilisation of further, derived configurations for a definition of company- and/or team-specific settings. Furthermore, you have the option to offer to users alternative configurations within one derivation level.

Central administration of settings via one common graphical Configuration Editor

The need for time-consuming and error-prone manipulations in configuration files is eliminated. The integrated validation of setting values by ranges and selection lists minimizes the risk of incorrect configurations and system crashes due to invalid values.

Documentation of settings

Each setting has a multi-language short description and comments on the meaning of the setting values. The Configuration Editor offers a full text search for property names, descriptions and comments.

Update-ability of the database

The data storage in the form of user profiles enables an updating of underlying pre-settings, without having to change existing user settings. Values that have not been changed by the user will automatically be assigned the updated pre-settings.

Please note that the scope of functions available to you depends on the configuration level of your product, i.e. not all the functions described in the Help may be available in your product!

The range of selectable modules for a local license depend on the license that was purchased.

Transfer of DAT Files to the Configuration Editor (CM)

As of Version 1700, HiCAD enables a central configuration management via the **Configuration Editor**. This tool allows the creation of customer-specific configurations for a wide range of tasks, such as dimensioning, annotation, workshop drawing creation, fitting of vertical ladders etc. Once adjusted to company-specific requirements, these configurations can directly be used in HiCAD, without having to specify any further settings.

The goal of our further developments is a gradual transfer of the previously used system files with their adjustable parameter settings into the Configuration Editor, thus enabling a central and safe configuration management.

This transfer has already been realised for the following files:

- ALGPAR.DAT (as of 1800.0)
- BEMPAR.DAT (as of 1800.0)
- DIMENSIONING_SETTINGS.XML (as of 1800.0)
- STBEMPAR.DAT (as of 1801.0)
- KRPGEN.DAT (as of 1801.0)
- MASPAR.DAT (as of 1801.1)
- FITTABLE_SETTINGS.XML (as of 1801.0)
- TXTANSI.DAT (as of 1801.1)
- STABMPAR.DAT (as of 1802.0)
- AUBM3PAR.DAT (as of 1802.0)
- ALG3DPAR.DAT (as of 1901.0)
- SCHRIF.DAT (as of 1901.0)
- TXTFONT.DAT (as of 1901.0)
- FEATURE.DAT (as of 1901.0)
- LINPAR.DAT (as of 1901.0)
- SSWRITESTEP.DAT (as of 1901.0)
- NORM.DAT (as of 2000.0)
- PASSTAB.DAT (as of 2000.0)
- PASSTAB0.DAT (as of 2000.0)
- ANSGEN.DAT (as of 2100.0)
- PARAMASS.DAT (as of 2101)
- SSTINI3D.DAT (as of 2102)
- SSTINI.DAT (as of 2102)
- STB_PARAMETER.DAT (as of 2102)
- GRAPAR.DAT (as of 2201)
- KNTPAR.DAT (as of 2202)

The settings from the files were transferred to the Configuration Editor. The linked lists or the PDF file shows you where to find the settings from the DAT files in the Configuration Editor (Key names).

Key names.PDF

If the PDF file will not be displayed in the Internet Explorer, use a different browser, or right-click on the link and select **Save target as**.

Various information contained in the Online Help of the Configuration Management can also be found in the PDF file ISD-Configuration.pdf.

User Interface (CM)

The Configuration Editor enables an editing and managing of configuration. It provides a generic, hierarchical view of the data and structures contained in the database.

You start the Configuration Editor outside of HiCAD, by executing the file ISDCONFIGEDITOR.EXE in the EXE directory of HiCAD.

The permissions to change profiles or settings depend on the behaviour of the Editor when it is started:

Users without administrator rights and users with administrator rights who did not select the **Run as administrator** option upon start:

- In the Editor, settings can be edited in the profile of the user who is currently logged on Windows.
- The switching to a different user is not possible. The selection box is greyed out.

Users with administrator rights who have selected the **Run as administrator** option (right-click and select from context menu) upon start:

- The administrator profile can be changed in the Editor.
- The switching to other existing profiles is possible via the selection box, which enables a checking and/or changing of the configurations of various users.

You can also start the Configuration Editor directly from HiCAD: At the top right corner of the HiCAD window, select **Settings** > **Configuration**.

You require administrator rights to start the Configuration Editor!

	A		
			Administrator
	/ Description	Value	Comment
Active configuration (base configuration)	Dimension line terminations		
Annotations	1st dimension termination, Other dimensions	Arrowhead, filled	Type of 1st dimension line termination for other dimensions
Automatic annotation	Height, 1st dimension line termination, Other dimensions	1.5	Height of 1st dimension line termination, Other dimensions
5 Preferred Dimensioning, 2-D	Length, 1st dimension line termination, Other dime	4	Length of 1st dimension line termination for other dimensions
Dimensioning, 3-D Interactive dimensions	Colour, 1st dimension line termination, Other dimensions	-1: Same as dimension line 🔹	Colour of 1st dimension line termination, Other dimensions (-1 = Dimension line colour)
Parametric dimensions	2nd dimension termination, Other	Arrowhead, filled	Type of 2nd dimension line termination for other dimension
HCM dimensions	Height, 2nd dimension line termination, Other dimensions	1.5	Height of 2nd dimension line termination, Other dimensions
Im Steel Engineering dimension Im Fits table	Length, 2nd dimension line termination, Other dimensions	4	Length of 2nd dimension line termination for other dimensions
Grid annotation Implot stamp	Colour, 2nd dimension line termination, Other dimensions	-1: Same as dimension line 🔹	Colour of 2nd dimension line termination, Other dimensions (-1 = Dimension line colour)
	Dimension line termination, Base line dimensions	Arrowhead, filled	Type of dimension line termination for base line dimensions
Weld seam tags	Height, Dimension line termination, Base line dimensions	1.5	Height of dimension line termination, Base line dimensions
Drawing frames	Length, Dimension line termination, Base line dimensions	4	Length of dimension line termination for base line dimension
Automatic drawing derivation Image: Modelling	Colour, Dimension line termination, Baseline dimensions	-1: Same as dimension line 🔹	Colour of dimension line termination, Baseline dimensions (= Dimension line colour)
Steel Engineering	Dimension line termination, Heights above datums	Arrowhead for Height above datum, Clc 💌	Type of dimension line termination for heights above datur
Metal Engineering	Height, Dimension line termination, Heights above datum	4	Height of dimension line termination, Heights above datum
Sheet Metal	Length, Dimension line termination, Heights above datum	4	Length of dimension line termination for heights above datum
Analysis	Colour, Dimension line termination, Heights above datum	-1: Same as dimension line 🔹	Colour of dimension line termination, Heights above datum (-1 = Dimension line colour)
Interfaces DM Ompatibility	1st dimension termination, Angular dimensions	Arrowhead, filed	Type of 1st dimension line termination for angular dimensions
	Height, 1st dimension line termination, Angular dimensions	1.5	Height of 1st dimension line termination, Angular dimension
System settings Configurations	Length, 1st dimension line termination, Angular dimensions	4	Length of 1st dimension line termination for angular dimensions
	Colour, 1st dimension line termination, Angular dimensions	-1: Same as dimension line	Colour of 1st dimension line termination, Angular dimension

The user interface of the Configuration Editor consists of the following areas:

- 1. Menu bar
- 2. Toolbar
- 3. Search function
- 4. User selection
- 5. Current configuration structure tree

- 6. Data record of active configuration
- 7. User Management
- 8. Path of the currently selected structure item
- 9. Version and name of the configuration database



Changes in the Configuration Editor will only take effect after you re-start HiCAD. Only some particular settings, such as dimensioning pre-settings, can be applied, via the corresponding HiCAD functions, without a re-start.

Menu Bar (CM)

The menu bar of the Configuration Editor contains the following menus:

- File
- Edit
- View
- Extras



Some of the function in the menus will only be active when a data record has been selected in the right pane of the window.

File (CM)

Export and import of setting values

The structure and the values of the configuration can be written to a XML file with the **Export** function. The export function refers to the currently selected item in the configuration tree. The exported settings can then be imported, for example, to another configuration database.

Edit (CM)

The configuration database administers values on the basis of user-specific setting profiles.

When you select a data record in the tree structure in the left pane of the dialogue window, the corresponding settings will be displayed in the right pane of the window. You can use the functions of the **Edit** menu to modify these values and the tree structure.

The changes will take effect after you re-start HiCAD.

Function	Description
Change	If you want to change a value in a data record, activate the desired item and select Change.

Function	Description				
	Description	Value	Comment		
	Distance for outer dimensioning	8	Switch to outer dimensioning if distance is smaller		
	Excess length for ext. dimensioning	1.5	Dimension line excess length for outer dimensions		
	Minimum dimension line length	12	Minimum length of dimension line		
	Maximum dimension line length	50	Maximum length of dimension line		
	You can also activate the value via dou it. Changed values, i.e. values deviating	uble-click o from the un	r by pressing the F2 key, and then overwrite derlying profile level, are marked appro-		
Deeet	priately and can be reset to the origina	ii default va	lue at any time.		
Reset	This function restores the selected val	ue to the sta	ate in the database.		
Сору кеу	example, to a TXT file.	t the marke	a key values in the right window, for		
Rename	Use this function to rename derived st	ructures an	d derived configurations in the tree structure.		
	The derived structure will be identified	by the 🝱	icon.		
Delete	This function deletes only derived structures and derived configurations in the left pane of the Configuration Editor.				
Derive structure	Use this function to copy the selected branch in the tree structure and paste it with a different name.				
Select ref- erence	If a referenced structure has been activated, this function activates the reference.				
Activate con-	The 2nd level of the tree structure in th areas:	ne left pane	of the Configuration Editor consists of the		
figuration	 Active configuration and 				
	 Configurations. 				
	The configuration that you activate with this function will be displayed in the Active con- figuration area and can then be modified.				
Derive con-	Use this function to derive an alternation	ve, comple	te configuration.		
figuration	Here, too, the same principle as for st their values from the default values (IS figuration.	ructure deri SD or Admin	vation applies: Unchanged settings inherit istrator profile) of the superordinate con-		
	To edit the derived configuration, sele	ct Activate (configuration.		

Derive Configuration (CM)

Derived configurations have a tree-like structure and function according to the same principle as the overlaying of values in user profiles, i.e. unchanged settings will inherit their values from the default values (ISD or Administrator profile) of the superordinate configuration. Configurations on the same derivation level are independent from each other.

To derive configurations, select Edit > Derive configuration. Derived configurations will be displayed in the left pane of the window, under HiCAD > Configurations. The derivation will be created from the currently active configuration.

To edit a derived configuration, select Edit > Activate configuration. The derived configuration will then be displayed under HiCAD > Active configuration and can be edited.

📥 Important:

To prevent an accidental overwriting of the base configuration, i.e. the ISD default setting, you should only create derivations of company-specific configurations. To restore the ISD default settings, the configuration database (HiCAD.cfgdb) must be re-installed.

Derive Structure (CM)

Referenced and derived structures generate value inheritance lines. This enables you to create tree units (or individual settings) that refer to a reference tree unit and obtain unchanged values initially from the default values of the reference.

Example: Creation of a new drawing frame for workshop drawings

1. In the tree structure, select ... > Drawings > Drawing frames > DIN_A0. Then select **Edit > Derive structure**.

ISD Configuration Editor - HiCAD [C:\ProgramD	Data\ISD Software und Systeme\HiCAD 2013\HiCA	AD.cfgdb]	- 🗆 🗵
File Edit View Extras ISD			
	æ	User Administrator	- 🥂 🚽
E HICAD	Description	Value Comment	
Active configuration (Base configuration)	Figure name [DINA0 must be located as file in HiCAD path C:	
III Analysis	Frame width :	1179 Dimensions of usable area	
Assembling Simulation	Frame height 8	831 Dimensions of usable area	
	Horizontal distance of insertion point to centre	0	
Annotations	Vertical distance of insertion point to centre	27.63	
Drawing frames	X-minimum of locked area	991.8 Title block, tables, comments	
DIN A1	Y-minimum of locked area	0 Title block, tables, comments	
DIN A2	X- 🔚 Derive structure	ables, comments	
	Y- Code Drawing DrawingErames	ables, comments	
DIN A0	Werte kopieren DIN A1	▼	
 Automatic drawing derivation 			
Interfaces	OK Cancel		
王 📰 Metal Engineering 📃			

2. Change the displayed key to Drawings.Drawing frames.DIN_A5.

The structure DIN_A5 that will be created now will initially inherit all values from the reference structure DIN_A0. This means that if one of the default values of DIN_A0 will be changed, this value will also change for DIN_A5. The values of DIN_A5 can be assigned new default values. If a default value in the derived structure has been changed, the value from the reference structure will no longer be inherited, i.e. changes of the corresponding value in the reference structure will no longer affect the derived value.

Use the **Copy values** option to take over changed values from a data record that is linked to DIN_A0, e.g. DIN_A3.

Updates of the reference structure containing new or deleted settings will be adopted by the derived structure.

View (CM)

Update

If you change the configuration settings in HiCAD while the Configuration Editor is open, the new settings will only be displayed after activating the **Update** function.

Example:

When saving the rules set, the rules will be transferred to the Configuration Editor. The rules which are stored there will be adjusted accordingly, new rules are added, or existing rules are deleted if required. After selecting **Update**, the changes will become visible in the Configuration Editor.

Lease note that HiCAD will apply the changes from the configuration management only after restart.

Display key names

HiCAD uses the key name to access the settings of the configuration management. The key name is identical in all languages.

A description of this name is displayed in the standard view.

📙 ISD Configuration Editor - HiCAD [C:\Program	Data\ISD Software und Systeme\HiCAD 2013\HiC	AD.cfgdb]
File Process View Extras ISD		
✓ ⑤ ♂ Update F5 Display key names	A _	
	Description	Value
Active configuration (Base configuration)	Dimension lines / Terminations	
Analysis Assembling Simulation	Default value for colour of lines	0
	Line type of dimension lines	1
Im Drawing	Distance of dimension line	8
Annotations	Distance of dimension line for parallel dimensions	10
Automatic annotation	Distance for outer dimensioning	8
iii Dimensioning, 2-D	Excess length for ext. dimensioning	1.5
Eits table	Minimum dimension line length	12
Grid annotation	Maximum dimension line length	50
🛨 🧱 Plot stamp	Line type of projection lines	1
\pm 🥅 System triangle	Distance 1st projection line	1
🛨 🧱 Weld seam tags	Distance 2nd dimension line	1
Drawing frames	Interruption distance for projection lines	5
Interfaces	Projection line excess length	2

Example

📙 ISD Configuration Editor - HiCAD [C:\ProgramD	ata\ISD Software	e und Systeme	:\HiCAD 2013\HiCAD.cfgdb]
File Process View Extras ISD			
	#		
🗆 🚰 HiCAD	Name	Value	Description
Active configuration (Base configuration)	Dimension lines	/Terminations	
Analysis AssemblySimulation	IFARDFLIN	0	Default value for colour of lines
Compatibility	ISTRART2DF	1	Line type of dimension lines
Image: Imag	ABSTDF	8	Distance of dimension line
Annotation	DEFABSDF	10	Distance of dimension line for parallel dimensions
autolabelling	LABWDF	8	Distance for outer dimensioning
Dimensioning2D	IUBLDF	1.5	Excess length for ext. dimensioning
Dimensioning3D EitTable	BHO2DF	12	Minimum dimension line length
€ III GRIDFLAG	RAMADE	50	Maximum dimension line length
🛨 🔠 Plotstamp	ISTRART 1DF	1	Line type of projection lines
SYSTEMTRIANGLE	ABM 1DF	1	Distance 1st projection line
E III WELDFLAG	ABM2DF	1	Distance 2nd dimension line
DrawingFrames	DELTAMHL	5	Interruption distance for projection lines
Image Interfaces	LMHLDF	2	Projection line excess length

View mode

The view mode enables the precise displaying of changed settings in the Configuration Editor.

Normal	All settings will be displayed in the Configuration Editor.
Only changed values	Only changed values of the current user profile, which are marked with the pencil icon \checkmark , will be displayed.
Only changed	This view mode is only activated if settings in the ISD profile were changed in an update and differ from the company-specific default settings in the Administrator profile.
default settings	The company-specific Administrator profile will be saved in a logl file during an update. After- wards the changed/new settings will be loaded into the ISD profile. At the end the logl file will be loaded into the Administrator profile again.
	If you load the company-specific Administrator profile after the update and select the Only changed default settings function only the changed settings will be displayed. The values of the changed settings stem from the company-specific Administrator profile.
	When right-clicking on the value the Reset function can be activated. The setting from the ISD profile which has been changed in the update will be displayed.

Extras (CM)

Language

You can currently select between English and German.

File Process View Extra	s ISD					
/ 🕥 🕄 📄	Language	• Gern	n <mark>an (</mark> G	ermany)		ι
⊿ Chicad	Find F	3 🗸 Engl	ish (U	nited States)	Value	_
Active config	Database directory	Fren	ch (Fra	ance)		
🔠 Analysis		Italia	n (Ital	v)		
📰 Assembling Sim	nulation	Italia	in (Ital	y)	0	
Compatibility		Strich	art für	Maßlinien	1	
Drawing		Distar	nce of	dimension line	8	
Annotations Automat	; tic annotation	Distar dime	nce of nsions	dimension line for parallel	10	
Dimensio	oning, 2-D oning, 3-D	Distar	nce foi	outer dimensioning	8	
> Implementationing, 5-0 Excess length for ext. dimensioning						
 E Grid ann ISD Konfigurationseditor - 	- HiCAD [D:\180X\dev\Insta	II\Configuration	s lengt	h for ext. dimensioning D.cfgdb]	1.5	
 End Grid ann ISD Konfigurationseditor Datei Bearbeiten Ansicht 	- HiCAD [D:\180X\dev\Insta Extras ISD	II\Configuration	\HiCA	h for ext. dimensioning D.cfgdb]	1.5	
 ISD Konfigurationseditor Datei Bearbeiten Ansicht S S 	- HiCAD [D:\180X\dev\Insta Extras ISD Sprache	II\Configuration		h for ext. dimensioning D.cfgdb] German (Germany)	1.5 B	lenu
 Grid ann ISD Konfigurationseditor Datei Bearbeiten Ansicht S 2 HiCAD 	- HiCAD [D:\180X\dev\Insta Extras ISD Sprache Suchen	II\Configuration		h for ext. dimensioning D.cfgdb] German (Germany) English (United States)	L.5 B Wert	lenu
 Grid ann ISD Konfigurationseditor Datei Bearbeiten Ansicht S 2 HiCAD E Aktive Konfiguration 	- HiCAD [D:\180X\dev\Insta Extras ISD Sprache Suchen Datenbank-Verzeich	II\Configuration F3		h for ext. dimensioning D.cfgdb] German (Germany) English (United States) French (France)	1.5 B Wert	}enu
 Grid ann ISD Konfigurationseditor Datei Bearbeiten Ansicht 	- HiCAD [D:\180X\dev\Insta Extras ISD Sprache Suchen Datenbank-Verzeich	II\Configuration F3		h for ext. dimensioning D.cfgdb] German (Germany) English (United States) French (France) Italian (Italy)	B Wert	}enu
 Grid ann ISD Konfigurationseditor Datei Bearbeiten Ansicht 	- HiCAD [D:\180X\dev\Insta Extras ISD Sprache Suchen Datenbank-Verzeich	II\Configuration F3 nnis Defau		h for ext. dimensioning D.cfgdb] German (Germany) English (United States) French (France) Italian (Italy)	I.5 B Wert	}enu
 Grid ann ISD Konfigurationseditor Datei Bearbeiten Ansicht S HiCAD HiCAD Aktive Konfiguration Analyse Montagesimulat Kompatibilität 	- HiCAD [D:\180X\dev\Insta Extras ISD Sprache Suchen Datenbank-Verzeich	II\Configuration F3 nnis Defau	\HiCA	h for ext. dimensioning D.cfgdb] German (Germany) English (United States) French (France) Italian (Italy) Maßlinien	1.5 B Wert 0 1	}enu
 Grid ann ISD Konfigurationseditor Datei Bearbeiten Ansicht 	- HiCAD [D:\180X\dev\Insta Extras ISD Sprache Suchen Datenbank-Verzeich	II\Configuration F3 nnis Defau Strich Absta	\HiCA	h for ext. dimensioning D.cfgdb] German (Germany) English (United States) French (France) Italian (Italy) Maßlinien Blinie	1.5 B Wert 0 1 8	}enu
 Grid ann ISD Konfigurationseditor Datei Bearbeiten Ansicht 	- HiCAD [D:\180X\dev\Insta Extras ISD Sprache Suchen Datenbank-Verzeich tion	II\Configuration F3 nnis Defau Strich Absta	\HiCA	h for ext. dimensioning D.cfgdb] German (Germany) English (United States) French (France) Italian (Italy) Maßlinien Blinie	1.5 B Wert 0 1 8 10	}enu
 Grid ann ISD Konfigurationseditor Datei Bearbeiten Ansicht 	- HiCAD [D:\180X\dev\Insta Extras ISD Sprache Suchen Datenbank-Verzeich tion gen tische Beschriftung ng 2D	II\Configuration F3 nnis Defau Strich Absta Distar	s lengt	h for ext. dimensioning D.cfgdb] German (Germany) English (United States) French (France) Italian (Italy) Maßlinien Blinie Blinie	1.5 B Wert 0 1 8 10 8	}enu

Example

Database directory

For a HiCAD standard installation the database of the Configuration editor will be stored in the HiCAD installation directory, at ...\Configuration\HiCAD.cfgdb.

The location of the database file will be entered into the Windows Registry at

HKEY_LOCAL_MACHINE\SOFTWARE\ISD SOFTWARE UND SYSTEME\HICAD\[VERSION NUMBER]\HICAD.CFGD

To change the directory for the file, select **Extras** > **Database directory**. If you want to copy the database to the new location, activate the same-named checkbox.

You can also change the path in HiCAD via **Settings** > **Further directories**. Before you do so, you need to copy the database to the new directory.

5 PDM	+ 2-			
	Configuration			
	CATEditor			
	Settings	HiCAD Settings - Further directories	;	
2	Colour settings 🔹 🕨	Exit Settings		
\checkmark	Activate Start Centre	HICAD	ID	Directories
	Activate space mouse	Line types	Catalogue directory ConfigDB path	C:\HiCAD\Kataloge C:\HiCAD\Configuration\HiCAD.cfgdb
2	GUI representation 🔸	Colour combinations	LogiKal	C:\LogiKal
2	Plugins 🕨	Directories		
	Customize UI	Further directories		
	Ribbon categories	Basic settings		
	Toolbars	⊞ 💼 2-D		
2	Docking windows 🕨			
		🕀 🕀 💼 Steel Engineering		
		🗄 💼 General	•	
		(e		

Toolbar (CM)

To enable a quick access, some of the functions of the menu bar are also contained in the toolbar:

1	Change	If you want to change a value in a data record, activate the desired item and select Change .
3	Reset	This function restores the selected value to the state in the database.
2	Update	If you change the configuration settings in HiCAD while the Configuration Editor is open, the new settings will only be displayed after activating the Update function.
₽ †	Collapse all	This function collapses the structure display of the Configuration Editor and shows only the 1st level.
2	Expand 2 levels	Shows you the first 2 levels of the configuration structure.
3	Expand 3 levels	Shows you the first 3 levels of the configuration structure.
¥-	Expand all	Expands the complete structure display of the Configuration Editor.

Search Function (CM)

The Configuration Editor offers a full text search for value descriptions, comments and setting names. During the process, the Editor browses through the structure, beginning (or continuing) at the currently selected node of the configuration tree. Enter the desired search term and click the **Find** icon.

Frame width	a a a a a a a a a a a a a a a a a a a	
-------------	---------------------------------------	--

Search for data records

To perform a targeted search for particular entries (e.g. font or font size) in other data records, right-click the desired data record and select **Search value**.

🔚 ISD Configuration Editor - HiCAD 18.2.0.247	[C:\HiCAD\Configuration	on\HiCAD.cfgdb]	×
File Edit View Extras ISD			
	AA 🛛 🞯 🖕		User Administrator 🝷 🧟 բ
E HICAD	Description	Value	Comment
 Active configuration (Base configuration) Drawing 	Font	Change	Font (Name of operating system font or HiCAD font number with hation)
Annotations	/ Colour	Reset	colour
Automatic annotation	Size		size
Dimensioning, 2-D	Angle	Search value	rotation angle
1 Interactive dimensions	Font	Copy key	(aspect ration and inclination)
🖃 🥅 Parametric dimensions	- one	Delete Delete	for HiCAD fonts
E Font: Dimension figu	Width	Delete Delet	e weight
East: Auxiliary text		Derive structure	or operating system torits
E Font: Tolerances		Select reference	
1 III HCM dimensions		Edit texts	
🗄 🧮 Steel Engineering dimens 🗏			-
🛨 🏢 Fits table		Permissions	
🛨 🤠 Grid annotation			—

In the search mask you can limit the search to a particular area of the configuration structure tree, by activating the Limit to checkbox and selecting the area of the configuration structure from the drop down menu.

Find	Na sa
Description:	Font
Value:	
I Limit to	Dimensioning, 3-D
	Find

When you click the **Find** button, HiCAD will jump to the next data record that meets the specified search criteria. You can change this data record if desired, and continue your search.

User (CM)

The configuration database manages values on the basis of user-specific setting profiles. Two pre-defined profiles, namely **ISD** and **Administrator**, have a special function.

User	Administrator	•	2
Valu	ISD Administrator Buildsystem		

The ISD profile forms the basis for the settings. In this profile, the HiCAD settings preset by the ISD are contained.

The Administrator profile allows the creation of company-wide default settings deviating from the ISD defaults. In the process, the Administrator profile constitutes a level overlaying the ISD profile: Unchanged values will be read from the ISD profile, so that changes of the ISD settings will automatically be transferred to the Administrator profile (and thus also to the superordinate user profiles) when being updated. Modified, company-specific values will however be retained.

Profiles of other users overlay the Administrator profile according to the same principle, with each user profile being independent of the other user profiles. If setting values are written from HiCAD into the database, this process will always be performed via the profile of the user name currently logged on to Windows. In this way, an accidental

changing of user settings, company-wide settings, or ISD default settings by other users via HiCAD will be prevented.

The permissions to change profiles or settings depend on the behaviour of the Editor when it is started:

- Users without administrator rights and users with administrator rights who did not select the **Run as administrator** option upon start:
 - In the Editor, settings can be edited in the profile of the user who is currently logged on Windows.
 - The switching to a different user is not possible. The selection box is greyed out.
- Users with administrator rights who have selected the **Run as administrator** option (right-click and select from context menu) upon start:
 - The administrator profile can be changed in the Editor.
 - The switching to other existing profiles is possible via the selection box, which enables a checking and/or changing of the configurations of various users.

To edit an entry, double-click a cell in the Value column, or select a cell and press the F2 key, or click the Change icon on the Toolbar.

Changed values, i.e. values deviating from the underlying profile level, are marked appropriately can be reset to the original default value at any time.

User Management (CM)

The integrated User Management allows the creation and deletion of user profiles, as well as the deletion or the taking over of user-specific values into other user profiles. In this way, for example, an Administrator is enabled to specify settings via HiCAD managed in the Configuration Editor. These are initially saved in his/her Windows user profile, and can later be taken over to the administrator profile as company defaults, and will then apply to all users.

Click the ⁴⁴⁴ icon to call the User Management. The dialogue window is composed of the following tabs:

- Settings
- User
- Groups

Click the **EXEM** icon to close the dialogue window.

🗼 Important:

The permissions to change profiles or settings depend on the behaviour of the Editor when it is started.

Settings



Activate the **Same configuration for all users** checkbox to switch off the User Management and the Permissions Management. The settings will then always be written to the Administrator profile.

The User Management is by default deactivated when the configuration database is installed for the first time.

User

📙 User Manageme	ent		×
Settings User G	oups		
Name	Active configuration	Group assignment	Add
Administrator	Same as main group 🔻	Administrators	
User 008	Same as main group 🔻	Designers A, Designers B	Rename
User 023	Same as main group 🔻	Designers B	Delete
	up accimment for licer	r: Ilcar 073	Group assignment
■ EN	reryone ministrators signers A signers B	As default OK Cancel	Adopt values Delete values

User tab						
Add	Adds a new User to the table.					
Rename	Enables you to change a selected Use	er name.				
Delete	Deletes the selected User without any	further confirmation prompt.				
Group assign- ment	The user rights are controlled via group assignments. A User can belong to several Groups. Use the Group assignment button to select Groups for Users. The main Group of the User will be highlighted if you mark this Group and then click the As default button. The main Group will be available during the configuration selection of the User. Click OK to exit the Group selec- tion.					
Adopt val- ues	Use this function to apply the values o	f a selected User to the active User	ser.			
	Datei Bearbeiten Ansicht Extras ISD					
			Benutzer Admini	istrator - 🧟		
	✓ S S A	Beschreibung	Benutzer Admini Wert	istrator • 🙉 Kommentar		
		Beschreibung Bemaßung der Szene beim Laden konvertieren?	Benutzer Admini Wert ja, ohne Nachfrage ▼	strator		
		Beschreibung Bemaßung der Szene beim Laden konvertieren? Bemaßung von freigegebenen Zeichnungen beim Laden konvertieren?	Benutzer Admini Wert ja, ohne Nachfrage • nein •	strator • 28 Kommentar Alte 3D-Bemaßung beim Laden de Szene konvertieren? Alte 3D-Bemaßung beim Laden von freigegebenen Szenen konvertieren?		
	Solution Generation (Konstrukteure B) Analyse Montagesimulation Montagesimulation Montagesimulation Beschriftungen Beschriftungen Beschriftungen	 Beschreibung Bemaßung der Szene beim Laden konvertieren? Bemaßung von freigegebenen Zeichnungen beim Laden konvertieren? Nach dem Konvertieren Meldung ausgeben? 	Benutzer Admini Wert ja, ohne Nachfrage • nein •	strator • 20 Kommentar Alte 3D-Bemaßung beim Laden de Szene konvertieren? Alte 3D-Bemaßung beim Laden von freigegebenen Szenen konvertieren? Nach dem Konvertieren alter 3D- Bemaßungen Melgung ausgeben		
Delete val- ues	Construction (Konstrukteure B) Aktive Konfiguration (Konstrukteure B) Analyse Montagesimulation Montagesimulation Beschriftungen Beschriftungen Beschriftungen Benaßung 30 Deletes the changed values of the sele istrator profile / the values preset by the	 Beschreibung Bemaßung der Szene beim Laden konvertieren? Bemaßung von freigegebenen Zeichnungen beim Laden konvertieren? Nach dem Konvertieren Meldung ausgeben? Dected User, thus restoring the value ISD. 	Benutzer Admini	ktrator • 28 Kommentar Alte 3D-Bemaßung beim Laden de Szene konvertieren? Alte 3D-Bemaßung beim Laden von freigegebenen Szenen konvertieren? Nach dem Konvertieren alter 3D- Bemaßungen Meloung ausgeben he admin-		



HiCAD will use the Windows Login name in case of an utilisation via HiCAD, i.e. these names need to match when users are created.

Groups

🔚 User Management		×
Settings User Groups		
Name	Active configuration	bbA
Everyone	Base configuration 🔹	
Administrators	Base configuration 🔹	Rename
Designers A	Base configuration	Delete
Designers B	Base configuration	Delete
Permissions for: Designers A Change property value Activate configuration Derive configuration Delete configuration Delete configuration Delete derived structure Rename derived structure Change derived texts Change permissions		

Group tab	
Add	Adds a new Group to the table.
Rename	Enables you to change a selected Group name.
Delete	Deletes the selected Group without any further confirmation prompt.
Table column: Act- ive con- figuration	The Configuration Editor allows the creation of different user configurations via the Derive configuration function. One of these configurations and the Base configuration can be assigned to the Group in the Active configuration column.
Permissions for: e.g. Designers A	The rights of a Group can be specified in the Permissions for: area, by activating the corresponding checkboxes. If a User belongs to several Groups, the activated rights of these additional Groups are also available to him/her.
	The permissions enable you to specify, for example, that a User can only read the settings defined by the administrator, but not define and save his/her own settings, thus ensuring company-wide, identical settings.

Please note:

- The permissions that are assigned here apply globally, i.e. for all Users of the Group.
- Use the **Permissions** function if you want to assign permissions for sub-trees of the configuration. You can then define permissions for Users and Groups .

Configuration Structure (CM)

The left pane of the Configuration Editor dialogue window contains the following entries (below HiCAD):

- Active Configuration and
- Configurations.



Under Active configuration you will find the current HiCAD settings.

Under **Configurations** you can find the base configuration and all derived configurations of the active user. Use the **Derive configuration** function to load data into the **Active configuration** area. There, you can activate individual data records and edit them in the right pane of the dialogue window.

🗼 Important:

To prevent an accidental overwriting of the base configuration, i.e. the ISD default setting, you should only create derivations of company-specific configurations. To restore the ISD default settings, the configuration database (HiCAD.cfgdb) must be re-installed.

Data Record (CM)

In the right pane of the Configurator Editor you can edit the data records that you activate in the left pane of the window. The data record consists of the **Description**, the **Value** and the **Comment**. When you display the key name via **View > Display key names**, the system name of the entry will be additionally displayed.

You define your individual profile for HiCAD via the setting of values. The values are not always numerical values. They may also be:

- a unit of measurement (mm, cm, ...)
- a string ("Collection")
- a key name
- a free entry
- a checkmark (e.g. to activate the display of a query etc.)

- a procedure (Always, Dependent on dimension plane, etc.)
- an entry from the Catalogue Editor
- a selection of attributes.

Changed values, i.e. values deviating from the underlying profile level, are marked appropriately and can be reset to the original default value (right-click and select **Reset**) at any time.

Some data records can be expanded by new data record entries.



- Changes made in the Configuration Editor will only take effect after restarting HiCAD.
- To prevent an accidental overwriting of the base configuration, i.e. the ISD default setting, you should only create derivations of company-specific configurations. To restore the ISD default settings, the configuration database (HiCAD.cfgdb) must be re-installed.

Change a value in an input field

ISD Configuration Editor - HiCAD 19.2.0.395 [C:\ProgramData\ISD Software und Systeme\HiCAD 2014\HiCAD.cfgdb]	
File Edit View Extras ISD	
/ S C A 0	User Administrator - 🧟
	Value Comment
A 🔄 Drawing Text height, Dimension text	3.5 Text height of dimensioning texts
Annotations Automatic annotation Font for dimension text	1 For HiCAD fonts: 1,2,3, For TrueType fonts: T1, T2, T3,
Dimensioning, 2-D Position (right), 1st of 2 dimension texts	-5 Position of 1st of 2 dimension texts relative to dimension figure, parallel to dimension figure
Bits table Position (right), 2nd of 2 dimension texts	5 Position of 2nd of 2 dimension texts relative to dimension figure, parallel to dimension Ine
 Grid annotation Position (right), 1 dimension text 	0 Position of dimension text relative to dimension figure, parallel to dimension line
System triangle Weld seam tags Position (superscript), for one dimension text	0 Position of dimension text relative to dimension figure, vertical to dimension line
Dimension figure	
Gamma Antomatic drawing derivation Gamma Anton Position of dimension figure (right)	0.5 Position of dimension figure parallel to dimension line (0.5=centred)
Basel Engineering Position of dimension figure (superscript)	1 Position of dimension figure vertical to dimension line
Brant Engineering Position of dimension figure (right), Base line dim	mensions 1 Position of dimension figure parallel to dimension line, for base line dimensions
Generation See Metal Position of dimension figure (superscript), Base lin dimensions	ine 1 Position of dimension figure vertical to dimension line, for base line dimensions
Gamma Section Analysis Section of dimension figure (right), Heights above	ve datums 5 Position of dimension figure parallel to dimension line, for heights above datum
 Position of dimension figure (superscript), Height 	ts above 1.5 Position of dimension figure vertical to dimension
Drawing > Annotations > Dimensioning, 2-D	

If you want to change the value of a data record, right-click the corresponding row and select **Change**. You can also double-click the row, or press **F2**, and then overwrite the value.

Select a value from a listbox

ISD Configuration Editor - HiCAD 19.2.0.395 [C:\F	rogramData\ISD S	oftware und Systeme\HiCAD 2014\HiCAD.cfgdb]		
File Edit View Extras ISD				
/ 🕤 🛱	A 🛛 🕜 🛓			User Administrator
🔺 🏪 HiCAD	*	Description	Value	Comment
A E Active configuration (Base configuration)		Factor for 2nd dimension figure, Angular dimensions	1.1111	Factor for 2nd dimension figure, Angular dimensions
 Drawing Annotations 		Set diameter symbol	Always	Set diameter symbol? (Options: iAlways, Never, Not
Automatic annotation		Symbol for radius dimension	dependent of No diameter system	on dimension plane mbol if dimensioning plane is located in circle plane.
Dimensioning, 2-D		Tolerance/Fit	Always	
Dimensioning, 3-D		Default value for colour of tolerances	Never	
 Fits table Grid annotation 		Font for tolerances	1	For HiCAD fonts: 1,2,3, For TrueType fonts: T1, T2, T3,
Plot stamp	=	🖉 Text height, Tolerance	3.5	Text height of tolerances
 System triangle Weld seam tags 		Position (right), tolerance	1	Position of tolerances relative to dimension figure, parallel to dimension line
Drawing frames		Position (superscript), 1 tolerance	2	Position of tolerance
Automatic drawing derivation Modelling		Position (superscript), 1 tolerance, bottom	2	Position of tolerance, bottom, vertical to dimension line
Steel Engineering		Position (superscript), 1 tolerance, top	2	Position of tolerance, top, vertical to dimension line
Metal Engineering		Position (superscript), 1st of 2 tolerances	0	Position of 1st of 2 tolerances, vertical to dimension line
 Plant Engineering Sheet Metal 		Position (superscript), 2nd of 2 tolerances	3	Position of 2nd of 2 tolerances, vertical to dimension line
Assembling simulation		Tolerance grade	0	Tolerance type (0-8)
Analysis		Tolerance value 1	0.1	Tolerance value 1
 Interfaces PDM 	+	Tolerance value 2	0.05	Tolerance value 2

Some settings are selected from a listbox.

Take value from catalogue



Click the 💷 symbol to select a value from the Catalogue Editor. Click the 💌 symbol to delete the setting again.

Select a value by activating/deactivating of a checkbox

File Edit View Extras ISD				
	A 🕘			User Administrator - 🙈
⊿ ImicaD	*	Description	Value	Comment
A Electric Configuration (Base configuration)		Text height of 2nd dimensioning symbol	3.5	Text height of 2nd dimensioning symbol
 Brawing Annotations 		Position (right), 1st dimensioning symbol	-1	Position of 1st dimensioning symbol relative to dimension figure, parallel to dimension line
Automatic annotation Dimensioning, 2-D		Position (superscript), 1st dimensioning symbol	0	Position of 1st dimensioning symbol relative to dimension figure, vertical to dimension line
Dimensioning, 3-D Eits table		Position (right), 2nd dimensioning symbol	-1	Position of 2nd dimensioning symbol relative to dimension figure, parallel to dimension line
Grid annotation		Position (superscript), 2nd dimensioning symbol	0	Position of 2nd dimensioning symbol relative to dimension figure, vertical to dimension line
 Plot stamp System triangle 	E	1st symbol combination	0	1st symbol combination of Symbol (0-99), Underline, Auxiliary text, Text delimiter (0-9)
 Weld seam tags Drawing frames 		2nd symbol combination	0	2nd symbol combination of Symbol (0-99), Underline, Auxiliary text, Text delimiter (0-9)
Automatic drawing derivation		Set symbol for arc dimension		Set diameter symbol or radius symbol for circular arc dimensioning?
Image: Steel Engineering		Others		
Metal Engineering		Reference system for circle dimensioning	Indirect 🔹	Reference system for circle dimensioning
Plant Engineering		Circle dimension	Automatic 💌	Dimension type for Circle dimension
Image: Sheet Metal Image: Assembling simulation		Dimension orientation	2 •	Direction of dimensioning (0-1: Parallel to lines, 2-5: Axially parallel)
 Analysis Interfaces 		Position of angular dimension	Free 🔹	Position of angular dimension between or outside the selected legs
D III PDM	-	Z-dimensioning for correction		Allow Z-dimensioning for correction

Some settings can be selected via activation or deactivation of a checkbox. In this example the user has activated the setting of a symbol (e.g. a diameter symbol) for circular arc dimensions.

Referenced entries

🔁 ISD Configuration Editor - HICAD 19.2.0.395 [C:\ProgramData\ISD Software und Systeme\HiCAD 2014\HiCAD.cfgdb]					
File Edit View Extras ISD					
/ 🕥 🛢 🔗	0			User Administrator	- 🧟 🚬
⊿ 🦰 HiCAD	*	Description	Value	Comment	
A E Active configuration (Base configuration)		🖙 Figure name	DINA2	must be located as file in HiCAD path C:	
▲ I Drawing		@ Frame width	584	Dimensions of usable area	
Annotations		🖙 Frame height	410	Dimensions of usable area	
Drawing frames		Contraction and the stance of insertion point to centre	0		
DIN_A0		Se Vertical distance of insertion point to centre	27.63		
		🖙 X-minimum of locked area	396.8	Title block, tables, comments	
		🖙 Y-minimum of locked area	0	Title block, tables, comments	
		🖙 X-maximum of locked area	584	Title block, tables, comments	
		🖙 Y-maximum of locked area	55.25	Title block, tables, comments	
Automatic drawing derivation	=				
Modelling					
Steel Engineering					
Metal Engineering					
Plant Engineering					
Image: Sheet Metal					
Assembling simulation					
Analysis					
Interfaces					
PDM					
Compatibility					
System settings	Ŧ				
Drawing > Drawing frames > DIN_A2					

In the tree structure, derived data records are marked with the a symbol. The referenced entry in the right window is marked with the symbol. If you change a referenced value, the referencing will be removed, and the changing of the value will have no further effects any more.

Multiple value selection

🔁 ISD Configuration Editor - HiCAD 19.2.0.395 [C:\ProgramData\ISD Software und Systeme\HiCAD 2014\HiCAD.cfgdb]					- • ×		
File Edit View Extras ISD							
/ 6) 🛱 🛛 🔠 🖄 🖗					User Adminis	trator	- 🧟 🚽
A 💾 HiCAD	A.	Description	V	alue	Comment		
A E Active configuration (Base configuration)		Show system axes	F	From top	Create system axis an	notations in view	s of the type
Drawing		Annotate bores	F	From top]	Create tags for bores	in views of the ty	pe
A implementation Automatic drawing derivation		Annotate main parts	F	From top	Annotate main parts	in views of the typ	be .
Drawing	lt	Annotate boltings	F	From ton	Annotato boltings in	iews of the type	
Appotations	I.	Annotate Standard Parts	Ĩ			ts in views of the	type
Development		Annotate sub-parts		From top		views of the type	
Type of use assignment		Annotate weld seams		From front		in views of type	
∡ I Type of use-dependent	Ŀ			Left			
🔺 📰 Template				Right			
III Drawing frames				Back			
III Annotation				Bottom			
📰 View group (3-D)				AXO landso	ape		
Views				AXO portra	it		
View type assignment, Parts				Sectional vi	iew left		
View type assignment, General				Sectional vi	iew right		
View type assignment, Part environment							
Def of dimensioning rules				C	OK Cancel		
						J	
DEFAULT(PROFILE)							
DEFAULT (STAHLROHRE)							
ASSEMBLY_BEAM							
ASSEMBLY_COLUMN	-						
Automatic drawing derivation > Type of use-dependent > Template >	Vie	w type assignment, General					

Some parameters allow a multiple value selection. Click the icon and select a combination of values from the displayed list. Click **OK** to close the list. In the above example the position of an annotation tag for a bore is specified via a multiple selection.

Collection

File Edit View Extras ISD				
A E Active configuration (Base configuration)	tion	Value	User Administrator	- <u>8</u>
A analysis Decomposition (base configuration) Decomposition (base configuration) Decomposition Modelling Steel Engineering Metal Engineering Sheet Metal Assembling simulation Analysis Interfaces POM Compatibility System settings Line style definition Processing plane Start configuration Directories Load/Save Data backup Data backup Anentations Calculations Calculation Cylindrical pin calculation Graphics Cylindrical pin calculation	Excel report templates Excel report templates String Collection Editor Enter the strings in the collection (o Schenheitsstiftberechnung_detailed skx Schenheitsstiftberechnung_detaileet) <	Value Collection	Comment	

If you are asked for a Collection you can select a template file. Click the icon and edit the template files in the displayed list.

To create your own template files, just copy one of the templates supplied by the ISD and adjust it according to your individual needs. Save the templates to the HiCAD directory templates/... to enable them to be displayed in the Configuration Editor.

IDs

📙 ISD Configuration Editor - HiCAD [C:\ProgramData\ISD Software und Systeme\HiCAD 2013\HiCAD.cfgdb]						
File Edit View Extras ISD						
	AA 📴		User Administrator	- 22 🕫		
E HICAD	Description	Value	Comment			
Active configuration (Base configuration)	Row ID CatEditor	243700031				
Analysis	Table ID CatEditor	243732027				
Assembling Simulation	Row ID CatEditor	243700027				
III Drawing	Table ID CatEditor	243732027				
Automatic drawing derivation	Row ID CatEditor	243700029				
Image: Interfaces Image: Ima	Table ID CatEditor	243732027				
	Row ID CatEditor	243700032				
	Table ID CatEditor	243732027				
III Material	Row ID CatEditor	243700028				
🛨 🧱 Drawing	Table ID CatEditor	243732027				
E DM	Row ID CatEditor	243700030				
🛨 🧾 Plant Engineering	Table ID CatEditor	243732027				
🖳 🛄 Steel Engineering						

These are values that refer to other HiCAD files, e.g. tables in the HiCAD catalogues.

In the above example the values (IDs) refer to the table **Factory standards** > **User-defined materials** > **Civil Engineering materials** in the Catalogue Editor. This table has the ID 243732027.

In the Configuration Editor the ID entries in the rows determine the selection for the **Sealing** function. You can select between the Type (Own production or Available on site), and the Material (Foil, Acrylic, Silicon, Sealing cord).

243700039 > Foil, Available on site

243700038 > Foil, Own production

243700031 > Acrylic, Available on site

243700032 > Acrylic, Own production

243700029 > Silicon, Available on site

243700030 > Silicon, Own production

243700027 > Sealing cord, Available on site

243700028 > Sealing cord, Own production

Add new data record entry

e Edit View Extras ISD						
🕙 🖉 📲 🗠 🕄 📲	A	0	User Administrator	-		
HiCAD	Usage	Part type	Usage-dependent setting			
A E Active configuration (Base configuration)	Metal Engineering					
Drawing	Contact profile	All	MC_STRIP			
Automatic drawing derivation	Cover bar	All	MC_COVERBAR			
Production drawing	Facade base point	All	MC_BRACKET			
Drawing	Isolator	All	MC ISOLATOR			
Drawing frames	Seal	All	MC GASKET			
Annotations	Support profile	All	MC PROFILE			
Usage assignment	Railing		-			
Usage dependent	De	A 11	CTRINCER			
Diagonal Strategy	ISD Configuration	Editor - HiCAD 21.0.0.129 [
Modelling						
Steel Engineering	-					
Metal Engineering	 My settings 	My settings				
Plant Engineering						
Sheet Metal	1	OK Cancel				
Assembling simulation	Name: g = - g	A 11	DEFAULT			
Analysis	Kod Chistian based	All				
Interfaces	Skirting board	All	STRINGER			
PDM	Steel Engineering					
Compatibility	Column assembly	All	ASSEMBLY_COLUMN			
System settings	Columns	All	COLUMN			
Configurations	Cross-bracing	All	CROSS_BRACING			
	Frame	All	FRAME			
	Girder	Round steel	BEAM(ROUND)			
	Girder	Steel pipes	BEAM(ROUND)			
	Girder	All	BEAM			
	New Delete	New group		App		

In some areas you have the options to add new data record entries, or new groups with data record entries. To do this, click the **New group** button, enter a name and click **OK**. The group will then be added and an empty data record entry will be shown. When you now click on the input fields, you can compose the data record entry from the values in the displayed selection boxes.

🔁 ISD Configuration Editor - HiCAD 21.0.0.129 [C:\ProgramData\ISD Software und Systeme\HiCAD 2016\HiCAD.cfgdb]					
File Edit View Extras ISD					
/ 🕙 🖉 🕴 🖭 🔡	AA 🛛 🞯	5		User Administrator	- 🧟 👦
 HICAD Active configuration (Base configuration) Drawing Actore configuration (Base configuration) Drawing Production drawing derivation Drowing Drawing Drawing Drawing Drawing frames Annotations Development Usage assignment Modelling Steel Engineering Metal Engineering Sheet Metal Assembling simulation Analysis Interfaces PDM Compatibility System settings Configurations 	Usage InTIII Knee rail Mullion Railing segment Rod Skirting board General All Catalogue Columns Citl Engineering > General > Column Girder Columns Citl Engineering > General > Column Girder Contact profile Citl Engineering > Metal Engineering > Seal Civil Engineering > Metal Engineering > Inserted profile Civil Engineering > Metal Engineering > Isolator Civil Engineering > Metal Engineering > Support profile Civil Engineering > Metal Engineering > Fising bracket	Part type All All All All All All All All All Al		Usage-dependent setting FILLING STRINGER POST RAILING RAILINGSEGMENT DEFAULT STRINGER ASSEMBLY_COLUMN COLUMN COLUMN COLUMN COLUMN COLUMN COLUMN COLUMN COLUMN COLUMN COLUMN BEAM BEAM(ROUND) BEAM(ROUND) BEAM(ROUND) BEAM ASSEMBLY_BEAM DEFAULT(FLACHSTAHL) DEFAULT(HOHLPROFILE) DEFAULT(HOHLPROFILE) DEFAULT(PROFILE) DEFAULT(STAHLROHRE)	
Automatic drawing derivation > Production drawing >	New Delete New Usage assignment	group			Apply
					-

Permissions (CM)

Permissions in the Configuration Editor basically function in the same way as the Windows file system permissions. A typical use case is the granting or withdrawing of the permission Change property value - either for all values (via the context menu of the configuration) or for a sub-tree within the configuration structure, including all values immediately below (via the context menu of the uppermost item of the sub-tree).

Permissions can be assigned in a User-based or Group-based way. By default, each User (except for the Administrator) belongs to the Group Everyone. If in the Group Everyone the permission Change property value is withdrawn, "normal" Users do no longer have the rights to change any values. Changed values in HiCAD dialogues, too, will then no longer apply if they are stored in the configuration management. It is then possible to re-assign permissions, e.g. for a particular value or a sub-tree within the configuration structure, to individual Users. Also, Users can be assigned to other Groups who have different permissions. If a User has no write permissions for a value, this

will be indicated (in an activated User profile) by the 💷 icon.

Select Edit > Permissions. The Permissions... dialogue window will be displayed. In the caption of the dialogue you will also see the name of the currently selected item in the configuration structure (in the example below this is the item "Drawing").

Example

Permissions - Drawing				×
Name			Type	OK
Designer A	U	ser		<u>UN</u>
Everyone	G	roup		Cancel
				1.1
				Apply
Permissions for: Everyone				
Permission	Accept	Deny		
Change property value				
Activate configuration				
Rename configuration				
Delete configuration				
Derive structure		H		
Rename derived structure				
Change derived texts				
Change permissions				

Select the User whose permissions you want to change. Then, specify via the Accept and Deny checkboxes, which permissions are to be granted to the User. Click the Apply button to apply the current settings without closing the dialogue window. Select **OK** to apply the current settings and close the window.



The granted permissions depend, in addition to the selected item in the structure, on the currently active/selected configuration. For example, it is possible to grant permissions starting from a specific configuration derivation level.

Use Settings in HiCAD (CM)

All changes made in the Configuration Editor will take effect after a restart of HiCAD. Certain settings, such as pre-

settings for 2-D dimensioning, can be used in HiCAD immediately after selecting the Reload function (2-D Dimensioning + Text > Edit >).

Use the Load parameters 🖆 🗎 function (3-D Dimensioning + Text Tools > Dimensioning > Tools 🔼) to take over the settings of the BEM3DPAR.DAT file.

Scenarios (CM)

Below you will find some possible scenarios when using the Configuration Management:

- How do I create a user-specific configuration if a use a standalone installation?
- How do I create a user-specific configuration if I work within a network?
- How do I switch between different configurations?
- How do I, as an administrator, assign different rights and settings to various users?
- How do I transfer the settings of a user to the administrator profile?
- I am already a HiCAD user. What effect will an update have on my configuration settings?
- How do I transfer settings from HiCAD 2015 or 2015 to the Configuration database after installing HiCAD 2016 (new installation)?
- What needs to be done in case of an update from a version older than HiCAD 2011 to HiCAD 2013?
- Why are suddenly new users added to the configuration management of the configuration database, and how do I prevent individual users from changing their settings?
- How can I combine locally saved configuration databases with different settings for individual users into one, central database without losing the settings for the individual users?
- Which settings have priority if administrator settings are different from user settings?
- How do I achieve for several workstations that the administrator profile applies to all users?
- Which options for the changing of settings in the ConfigDB are available in the template files (.csv)?

How do I create a user-specific configuration if a use a standalone installation? (CM)

In this case you are "your own administrator", so to speak. If you want to change any settings, start the configuration Editor and change the administrator profile.



Settings which are saved via HiCAD, e.g. 3-D dimensioning settings, will be saved to the profile of the User who is currently logged onto the operating system, overriding the settings in the administrator profile. If any values are not available in HiCAD as expected, please check if there are user-specific settings for these values.

How do I create a user-specific configuration if I work within a network? (CM)

Start the Configuration Editor as Administrator (right-click icon and select **Run as administrator**) and derive a new configuration. In the User Management, assign the corresponding configuration to the desired User profile. You can also assign the configuration to the main Group of the User. In this way you ensure that all Users of the same main Group will use this configuration.

Switch to the User profile and edit the required settings.

If no derived configuration is required, you can also simply edit the settings after activation of the User profile in the base configuration.

How do I switch between different configurations? (CM)

To switch between configurations, select **Edit > Activate configuration** on the menu bar.

General information on how to activate configurations can be found in the topic User Management.



- The permissions assigned here apply globally, i.e. to all Users of the Group.
- Select Edit > Permissions to assign permissions to sub-trees of the configuration. You can then define permissions for Users and Groups.
- Use the User Management option to activate configurations for several Users or Groups. Assign the desired configuration to the Users or Groups.

How do I, as an administrator, assign different rights and settings to various users? (CM)

Start the Configuration Editor as Administrator (right-click icon and select Run as administrator).

Use the **Permission** function to assign rights.

Permissions in the Configuration Editor basically function in the same way as the Windows file system permissions. A typical use case is the granting or withdrawing of the permission **Change property value** - either for all values (via the context menu of the configuration) or for a sub-tree within the configuration structure, including all values immediately below (via the context menu of the uppermost item of the sub-tree). Permissions can be assigned in a Userbased or Group-based way.

How do I transfer the settings of a user to the administrator profile? (CM)

Start the Configuration Editor as Administrator (right-click icon and select **Run as administrator**). Select the User **Administrator**.



Click the icon on the right. The User Management dialogue window will be displayed. In the dialogue, mark the user whose values you want to apply.

🔚 User Manageme	nt		×
Settings User Gr	oups		
Name	Active configuration	Group assignment	Add
Administrator	Same as main group 🔻	Administrators	Add
User 008	Same as main group 🔻	Designers D, Designers E	Rename
User 023	Same as main group 🔻	DesignersNL	Delete
			Delete
			Group assignment
			Adopt values
			Delete values

Click the Adopt values button to transfer the values of the marked user into the active administrator profile.

I am already a HiCAD user. What effect will an update have on my configuration settings? (CM)

When performing an update from HiCAD 2015 or HiCAD 2016, your settings from the existing configuration file **HICAD.CFGDB** of your previous HiCAD version will be transferred to the Configuration Management of HiCAD 2015, namely into the Administrator profile.

When the update is performed, only the values predefined by the ISD, i.e. the "factory settings", will be changed. All other (administrator or user) settings will be preserved.

If you use a central configuration database on a server, it will be automatically detected by the update program by means of the corresponding Registry entry and will be updated. For an update of several workstations, one single update will be sufficient; a multiple update will, however, not do any harm either (as an already updated setting will not be updated again).

How do I transfer settings from HiCAD 2015 or 2016 to the Configuration Database after installing HiCAD 2017 (new installation)? (CM)

If you perform a (new) installation of HiCAD 2017, the settings predefined by the ISD will be initially used in the Administrator profile of the Configuration Management. If you want to transfer your individual settings in the file HICAD.CFGDB from HiCAD 2015 or HiCAD 2016 to the Configuration Management of HiCAD 2016, use the program **CfgDbTool.exe** in the HiCAD EXE sub-directory for this.

Furthermore, you are enabled to transfer settings from old DAT and XML files which are now managed in the Configuration Editor, to the configuration database of Version 2016.

Proceed as follows:

1. Start the **CfgDbTool.exe** program in the HiCAD EXE sub-directory.

Use the **Update** tab of the CfgDBTool you tab to transfer the settings of your previous configuration file (.CFDB) to the configuration file of Version 2017.

Update Migrate		
Installed database	C:\hicad\Configuration\HiCAD.cfgdb	
Update source	D:\hicad\Configuration\HiCAD.cfgdb	.]
Update target	C:\hicad\Configuration\HiCAD.cfgdb	.]
	Update	

2. Select the directories.

Update tab	
Installed database	The configuration database to be updated, i.e. (the previous configuration database of HiCAD).
Update source	The configuration database of the new version; the configuration database with the current ISD settings can be found in the folder: [HiCAD installation directory]\Configuration.
Update target	The result of the update. If you enter the same file here as in the Installed database , a backup of the previous configuration database will be created. You cannot enter the same database here that you entered in the Update source field.

3. Click the **Update** button to start the process.

Use the **Migrate** tab to transfer your individual settings from old DAT and XML files which are now managed in the Configuration Editor, to the configuration database of Version 2017.

The setting files with their adjustments need to be copied to the HiCAD SYS subdirectory of the new HiCAD version for this purpose.

1. Start the CfgDbTool.exe program in the HiCAD EXE sub-directory and activate the Migrate tab.

CfgDl	oTool		x			
Update	Migrate					
Base fo	lder	C:\HiCAD				
Target	database	C:\hicad\Configuration\HiCAD.cfgdb				
Pa Hi	Parameter files must be available in sub folders with the same names like in a HiCAD installation (e.g. sys folder) and under their original names.					
		Migrate				

2. Select the directories.

Migrate tab	
Base folder	Here you enter the directory where your old DAT and XML files etc. are located. Please make sure that the old files have the same name and are located in the same directory structure as in a HiCAD standard installation.
Target database	Here you specify the database to which the data are to be transferred.

3. Click the Migrate button to start the process.

What needs to be done in case of an update from a version older than HiCAD 2011 to HiCAD 2013 (or higher)? (CM)

The new Configuration Management has been introduced with HiCAD 2011. Therefore you need to perform a new installation for HiCAD 2013 (or higher).

Since the Configuration management has not been supported in versions older than HiCAD 2011, a manual transfer of your individual settings in the aforementioned DAT files to the Configuration Management, via the settings on the **Migrate** tab of the program **CfgDbTool.exe**.

The PDF file schluesselname.PDF shows you where the settings from the old DAT files can now be found in the Configuration Editor.

Why are suddenly new users added to the configuration management of the configuration database, and how do I prevent individual users from changing their settings? (CM)

If, for example, a user saves the 3-D dimensioning settings via HiCAD, the corresponding user name will be automatically created in the User Management of the configuration database; the new User will be assigned to the user Group **Everyone** by default.

If you (as Administrator) want to prevent a (new) User from saving his/her individual settings, assign <u>only read per-</u><u>mission</u> to the Group **Everyone**. When the user now tries to save the settings via HiCAD, a new User will still be created in the User Management, but the user-specific settings themselves will not be saved. Instead, the configuration defined by the Administrator continues to apply.

How can I combine locally saved configuration databases with different settings for individual users into one, central database without losing the settings for the individual users? (CM)

Copy the configuration database of a computer to the unlocked server directory. Then, export the active configuration on the other computers and import them to the central database again. Assign, via the User Management, to each User the corresponding configuration.

On the individual workstations, adjust the Registry entry for the storage location of the database.

Start the Configuration Editor as Administrator (right-click icon and select Run as administrator).

Which settings have priority if administrator settings are different from user settings? (CM)

User-specific settings override Administrator settings. Settings in derived configurations override settings in the superordinate configuration.

Only individual values will be "overridden": If, for example, an isolated setting contains a User value, this value will apply to the User. All other settings which have not been changed by the User will be read from the Administrator profile. The same principle applies to settings in derived configurations: If a setting in a derived configuration contains neither User values nor Administrator values, the superordinate configuration will be checked etc.

How do I achieve for several workstations that the administrator profile applies to all users? (CM)

If the Database is located on the server, nothing more needs to be done. To prevent the settings from being overridden by user-specific settings that might exist, all User values should be deleted (select the corresponding User in the User Management and select Delete values). The User Management will only be active if you started the Configuration Editor as Administrator.

In case of a local configuration database, use the Configuration Editor to export the settings on the configured computer (with Administrator profile). In any case it makes sense to remove all user-specific settings that might still exist.

On all other computers, select **File > Import** to read in the exported XML file. All user-defined settings that might still exist should be removed from all computers.

Which options for the changing of settings in the ConfigDB are available in the template files (.csv)? (CM)

Extensive information on this topic can be found in the document "Working with User-Defined Configuration Templates" in our Wiki, at **Product know-how > Whitepaper**.





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