

HiCAD Configuration Management

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Configuration Management

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

Eliminates the need for time-consuming and error-prone manipulations in configuration files. 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

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)
- REF3D_ATTR_AKT.DAT (as of 2300)
- TXTPAR.DAT (as of 2300)
- TABPAR.DAT (as of 2400)

- ABWPAR.DAT (as of 2402)
- ABWCOL.DAT (as of 2402)

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

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!

Edit View Extras ISD	A @ 3		👍 User Administrator 🗸 🖉
HICAD	A Description	Value	Comment
Active configuration (Base configuration) Drawing	Dimension line terminations		
Grawing 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 E 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 dimensions
1 III HCM dimensions	Height, 2nd dimension line termination, Other dimensions	1.5	Height of 2nd dimension line termination, Other dimensions
 E Steel Engineering dimension E III Fits table 	Length, 2nd dimension line termination, Other dimensions	4	Length of 2nd dimension line termination for other dimensions
Grid annotation Internation	Colour, 2nd dimension line termination, Other dimensions	-1: Same as dimension line 🔹	Colour of 2nd dimension line termination, Other dimensions (-1 = Dimension line colour)
System triangle	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 dimensions
Automatic drawing derivation Modelling	Colour, Dimension line termination, Baseline dimensions	-1: Same as dimension line 🔹	Colour of dimension line termination, Baseline dimensions (-1 = 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 datums
Metal Engineering Jant Engineering	Height, Dimension line termination, Heights above datum	4	Height of dimension line termination, Heights above datum
Sheet Metal Assembling Simulation	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 PDM	1st dimension termination, Angular dimensions	Arrowhead, filed	Type of 1st dimension line termination for angular dimensions
Compatibility	Height, 1st dimension line termination, Angular dimensions	1.5	Height of 1st dimension line termination, Angular dimensions
System settings Gonfigurations	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 dimensions (-1 = Dimension line colour)

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

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

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

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.

Function	Description
Change	If you want to change a value in a data record, activate the desired item and select Change . You can also activate the value via double-click or by pressing the F2 key, and then overwrite it. Changed values, i.e. values deviating from the underlying profile level, are marked appro- priately and can be reset to the original default value at any time.

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

Function	Description
Reset	This function restores the values in the active directory to the state in the database. For instance, if you have modified the default settings of the dimensioning rules in various dir- ectories, you can right-click the Usage-dependent entry, choose Reset , and, after con- firming the security prompt with, restore the modified settings to defaults again. If you confirm with Yes , a backup ([Installation directory] > Configuration > HiCAD.cfgdb.[Date]) will be created, in case you may require the modified settings later again. If you choose No , the values will be reset without creating a backup. If you have marked only one value, only this value will be reset.
Copy key	Use this function to copy the names of the marked key values in the right window, for example, to a TXT file.
Rename	Use this function to rename derived structures and derived configurations in the tree structure. The derived structure will be identified by the \square icon.
Delete	This function deletes only derived structures and derived configurations in the left pane of the Configuration Editor.
Derive struc- ture	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- figuration	 The 2nd level of the tree structure in the left pane of the Configuration Editor consists of the areas: 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- figuration	Use this function to derive an alternative, complete configuration. Here, too, the same principle as for structure derivation applies: Unchanged settings inherit their values from the default values (ISD or Administrator profile) of the superordinate con- figuration. To edit the derived configuration, select Activate configuration .

Derive Configuration

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.

Å 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

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)ata	\ISD Software und Sys	steme\HiCAD 2013\Hi	CAD.cfg	jdb]			
File Edit View Extras ISD								
/ 🕤 🔁 📔	a	ê 💂			User	Administ	rator	- 😤 💡
🖃 🔚 HiCAD		Description		Value	Con	nment		
Active configuration (Base configuration)		Figure name		DINA) mus	st be loca	ated as file in HiCAD path C:	
III Analysis		Frame width		1179	Dim	ensions	of usable area	
Assembling Simulation Gompatibility		Frame height		831	Dim	ensions	of usable area	
Drawing		Horizontal distance of ins	sertion point to centre	0				
Annotations		Vertical distance of inser	tion point to centre	27.63				
🖃 🧱 Drawing frames		X-minimum of locked area	3	991.8	Title	e <mark>block, t</mark>	ables, comments	
DIN A1		Y-minimum of locked area	3	0	Title	e <mark>block, t</mark>	ables, comments	
DIN A2		χ. 🔚 Derive structur	e			×	ables, comments	
DIN A3		Y- Code	Drawing.DrawingFrame		0		ables, comments	
		Code	Drawing.DrawingFrame	S.DIN_A	<u>u</u>			
		🗌 Werte kopieren	DIN A1			•		
 Automatic drawing derivation 								
🗉 📖 Interfaces			OK Cancel					
🗉 🔠 Metal Engineering		<u> </u>					1	

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

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.

Please 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.

Example

File Process View Extras ISD					
🥖 🕤 👸 Update F5		æ			
Display key names		•	Description		Value
Active configuration (Base configuration)	ration)) imension lines / Te	rminations	
Analysis Assembling Simulation			Default value for	colour of lines	0
Assembling Simulation E Compatibility			Line type of dimer	nsion lines	1
Im Drawing			Distance of dimen	sion line	8
Annotations			Distance of dimen	sion line for parallel dimensions	10
Automatic annotation			Distance for outer		8
🛄 Dimensioning, 2-D			Excess length for	ext. dimensioning	1.5
⊞ Dimensioning, 3-D ⊞ Fits table			Minimum dimension		12
Grid annotation			Maximum dimensio	-	50
III Plot stamp			Line type of proje		1
🗉 🖽 System triangle	1	_	Distance 1st proje		1
🗉 🔠 Weld seam tags			Distance 2nd dime		1
🛨 🥅 Drawing frames			Interruption distance for projection lines		5
 Automatic drawing derivation Interfaces 		Projection line excess length			-
ISD Configuration Editor - HiCAD [C:\Pro	ogramDat	▼ ta\ISD S			2
	ogramDat				
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ile Process View Extras ISD	_	Name Dimens IFAR ISTR, ABST DEFA LABW IUBL	oftware und System oftware und System value ion lines / Termination DFLIN 0 ART2DF 1 DF 8 BSDF 10 IDF 8 DF 10 IDF 10 IDF 12	eme HiCAD 2013 HiCAD.cfgdt Description Ins Default value for colour of lin Line type of dimension lines Distance of dimension line Distance of dimension line for Distance for outer dimension Excess length for ext. dimension	es parallel dimensioning
ile Process View Extras ISD	_	Name Dimens IFAR ISTR ABST DEFA LABW IUBLI BHO2 RAM/	oftware und System oftware und System value ion lines / Termination DFLIN 0 ART2DF 1 DF 8 BSDF 10 IDF 8 DF 10 IDF 10 IDF 12	eme HiCAD 2013 HiCAD.cfgdt Description Ins Default value for colour of lin Line type of dimension lines Distance of dimension line Distance of dimension line for Distance for outer dimension Excess length for ext. dimension Minimum dimension line lengt	es parallel dimensioning
ile Process View Extras ISD	_	Name Dimens IFAR ISTR ABST DEFA LABW IUBLI BHO2 RAM/	value ion lines / Terminatio DFLIN 0 ART2DF 1 DF 8 BSDF 10 DF 8 DF 1.5 DF 12 ADF 50 ART1DF 1	eme HiCAD 2013 HiCAD.cfgdt Description Default value for colour of lin Line type of dimension lines Distance of dimension line for Distance of dimension line for Distance for outer dimension Excess length for ext. dimen Minimum dimension line lengt Maximum dimension line lengt	es parallel dimensioning
ile Process View Extras ISD	_	Name Dimens IFAR ISTR, ABST DEFA LABW IUBLI BHO2 RAMJ	Value Value ion lines / Terminatio DFLIN 0 ART2DF 1 DF 8 BSDF 10 IDF 8 DF 1.5 DF 12 ADF 50 ART1DF 1 DF 1	eme HiCAD 2013 HiCAD.cfgdb Description Ins Default value for colour of lin Line type of dimension lines Distance of dimension line for Distance of dimension line for Distance for outer dimension Excess length for ext. dimension Excess length for ext. dimension Minimum dimension line lengt Maximum dimension line lengt Line type of projection lines	es parallel dimensioning
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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

Language

You can currently select between English and German.

File Process View Extras	ISD					
/ 🕥 🕄 🔰 🛛 🗖	nguage 🕨 🕨	Germa	in (G	ermany)		
A HiCAD Fir	nd F3	✓ Englis	h (Ur	nited States)	Value	
Active config Da	atabase directory	French	n (Fra	ince)		
Analysis		Italian	(Italy	y)	0	
Assembling Simula	ation				-	
 Compatibility Drawing 				Maßlinien dimension line	1	
 Annotations 				dimension line for parallel	8	
Automatic a	annotation	dimens			10	
🧮 Dimensioni	ing, 2-D	Distanc	e for	outer dimensioning	8	
Dimensioni	ing, 3-D			Distance for outer dimensioning		
Fits table		Excess length for ext. dimensioning				
ISD Konfigurationseditor - H					1.5	
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 Grid annota ISD Konfigurationseditor - H Datei Bearbeiten Ansicht Bearbeiten Ansicht HiCAD Aktive Konfiguration Analyse Montagesimulation Kompatibilität Zeichnung Beschriftungen Automatisce 	iCAD [D:\180X\dev\Install\Co Extras ISD Sprache Suchen Datenbank-Verzeichnis n :he Beschriftung 2D 3D	F3 Defaul Strichau Abstanu Distanz	HiCA	D.cfgdb] German (Germany) English (United States) French (France) Italian (Italy) Maßlinien ßlinie ßlinie	Benn Wert 0 1 8 10	

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	+ 🛛			
	Configuration			
	CATEditor			
	Settings	HiCAD Settings - Further directories		
2	Colour settings 🔹 🕨	Exit Settings		
\checkmark	Activate Start Centre	HiCAD	ID	Directories
	Activate space mouse	E Line types	Catalogue directory ConfigDB path	C:\HiCAD\Kataloge C:\HiCAD\Configuration\HiCAD.cfgdb
2	GUI representation 🔸	Definitions	LogiKal	C:\LogiKal
2	Plugins •	Directories		
	Customize UI	🔁 Further directories		
	Ribbon categories	Basic settings		
	Toolbars	⊞ 💼 2-D		
2	Docking windows 🔸	🗎 🕀 💼 3-D		
		🗄 💼 Sheet development		
		🗄 👘 💼 Steel Engineering		
		🗄 🧰 General	•	• III
		(c		

Toolbar

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 .
٩	Reset	This function restores the selected value to the state in the database.
ø	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

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	
-------------	----------	--

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\Configurati	on\HiCAD.cfgdb]	×
File Edit View Extras ISD			
	AA 🛛 🞯 📙		User Administrator - 🧟
E HICAD	Description	Value	Comment
 Active configuration (Base configuration) Drawing 	Font	Change	Font (Name of operating system font or HiCAD font number with nation)
Annotations	🥖 Colour	Reset	colour
Automatic annotation Dimensioning, 2-D	Size		size
 Dimensioning, 2-D Dimensioning, 3-D 	Angle	Search value	rotation angle
	Font	Copy key	(aspect ration and inclination) fied in SCHRIF.DAT
Font: Dimension figu		Delete Dele	for HiCAD fonts weight
III Font: Symbols	Width	Derive structure	for operating system fonts
Font: Auxiliary text		Select reference	
🛨 🧮 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	z de la constante de la constan
Description:	Font
Value:	
📝 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

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 🔹	22
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

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 **E** 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 Managem	ent		x
Settings User G	roups		
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
			Group assignment
	up assignment for User 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	r name.		
Delete	Deletes the selected User without any	further confirmation prompt.		
Group assign- ment	The user rights are controlled via group Use the Group assignment button to be highlighted if you mark this Group a be available during the configuration s tion.	select Groups for Users. The mai and then click the As default butt	n Group of the on. The main G	User will Group will
Adopt val- ues	Use this function to apply the values o		ser.	
	Datei Bearbeiten Ansicht Extras ISD			
	/ 🕤 🕄 🔠		Benutzer Admin	istrator 🔹 🧣
	▲ I HiCAD	Beschreibung	Wert	Kommentar
	 Aktive Konfiguration (Konstrukteure B) Analyse 	Bemaßung der Szene beim Laden konvertieren?	ja, ohne Nachfrage 🔻	Alte 3D-Bemaßung beim Laden Szene konvertieren?
	Montagesimulation	Bemaßung von freigegebenen Zeichnungen beim	nein 🔻	Alte 3D-Bemaßung beim Laden von freigegebenen Szenen
	 Eschriftungen Beschaug 3D 	Laden konvertieren? Nach dem Konvertieren Meldung ausgeben?		konvertieren? Nach dem Konvertieren alter 3D Bemaßungen Melcung ausgebe
Delete val- ues	Deletes the changed values of the sele istrator profile / the values preset by th		lues to that of t	he admin-
Table column: Active con- figuration	The Configuration Editor allows the cre figuration function. One of these conf the User in the Active configuration c	igurations and the Base configur		



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	Add
Everyone	Base configuration 🔹	
Administrators	Base configuration 🔹	Rename
Designers A	Base configuration	Delete
Designers B	Base configuration	Dece
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

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

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

le Edit View Extras ISD				
2 🕤 🕄	AA 🛛 🞯 🖕			User Administrator
HiCAD A I Active configuration (Base configuration)	*	Description Dimension text	Value	Comment
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
Fits 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 Plot stamp 		Position (right), 1 dimension text	0	Position of dimension text relative to dimension figure, parallel to dimension line
 System triangle Weld seam tags 	= 1	Position (superscript), for one dimension text	0	Position of dimension text relative to dimension figure, vertical to dimension line
Drawing frames		Dimension figure		
 Automatic drawing derivation Modelling 		Position of dimension figure (right)	0.5	Position of dimension figure parallel to dimension line (0.5=centred)
 Image: Steel Engineering Image: Steel Engineering 		Position of dimension figure (superscript)	1	Position of dimension figure vertical to dimension line
Plant Engineering		Position of dimension figure (right), Base line dimensions	1	Position of dimension figure parallel to dimension line, for base line dimensions
Sheet Metal Assembling simulation		Position of dimension figure (superscript), Base line dimensions	1	Position of dimension figure vertical to dimension line, for base line dimensions
 Analysis Interfaces 		Position of dimension figure (right), Heights above datums	5	Position of dimension figure parallel to dimension line, for heights above datum
PDM	-	Position of dimension figure (superscript), Heights above	1.5	Position of dimension figure vertical to dimension

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

File Edit View Extras ISD				
/ 🕤 🕄	A 💿 🖕			User Administrator -
🔺 🛅 HiCAD	*	Description	Value	Comment
A III 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		n dimension plane nbol 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
 E System triangle E 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

ile Edit View Extras ISD				
2 🕤 🛱	AA 🕘 🚬			User Administrator
HiCAD	*	Description	Value	Comment
Active configuration (Base configuration)		Text height of 2nd dimensioning symbol	3.5	Text height of 2nd dimensioning symbol
 Drawing 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 Fits 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 Modelling		Set symbol for arc dimension		Set diameter symbol or radius symbol for circular arc dimensioning?
 Initial initial initia initial initial initial initial initial initial initial in		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: Sheet Metal Image: Sheet Metal Image: Sheet Metal		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 th selected legs
D D 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

DIN AO	ccked area 0 Title block, tables, comments ccked area 584 Title block, tables, comments
 Active configuration (Base configuration) Drawing Annotations Drawing frames DIN_A0 DIN_A1 DIN_A2 DIN_A2 DIN_A4H <	DINA2 must be located as file in HiCAD path C: 584 Dimensions of usable area 410 Dimensions of usable area e of insertion point to centre 0 of insertion point to centre 27.63 cked area 396.8 Title block, tables, comments cked area 0 Title block, tables, comments ocked area 584 Title block, tables, comments
Drawing Drawing Drawing frames Diny, A0 Diny, A1 Diny, A2 Diny, A3 Diny, A4H	584 Dimensions of usable area 410 Dimensions of usable area ec of insertion point to centre 0 of insertion point to centre 27.63 cked area 396.8 Title block, tables, comments cked area 0 Title block, tables, comments ocked area 584 Title block, tables, comments
 ▲ Drawing frames DIN_A0 DIN_A1 DIN_A2 DIN_A2 DIN_A4H DIN_A4H DIN_A4Q ▲ Automatic drawing derivation ▲ Modelling ▶ Steel Engineering 	cc of insertion point to centre 0 of insertion point to centre 27.63 ucked area 396.8 Title block, tables, comments ucked area 0 Title block, tables, comments ucked area 584 Title block, tables, comments
DIN_A0 DIN_A1 DIN_A1 DIN_A2 DIN_A3 DIN_A4H DIN_A4H DIN_A4Q DIN_A4Q DIN_A4Q DIN_A4Q DIN_A4Q DIN_A4Q DIN_A4Q DIN_A4Q DIN_A4Q DIN_A4Q DIN_A4Q DIN_A4A DIN DIN_A4A DIN_	of insertion point to centre 27.63 ocked area 396.8 Title block, tables, comments ocked area 0 Title block, tables, comments ocked area 584 Title block, tables, comments
DIN_A1 DIN_A2 DIN_A3 DIN_A4H DIN_	area 396.8 Title block, tables, comments icked area 0 Title block, tables, comments icked area 584 Title block, tables, comments
□ DIN_A2 □ DIN_A3 □ DIN_A4H □ DIN_A4Q □ DIN_A4Q □ DIN_A4Q □ DIN_A4Q □ DIN_A4Q □ DIN_A4Q □ DIN_A4Q □ DIN_A4Q □ DIN_A4Q □ Modelling □ Steel Engineering	ccked area 0 Title block, tables, comments ccked area 584 Title block, tables, comments
DIN_A3 DIN_A4H DIN_A4H DIN_A4Q DIN_A4Q DIN_A4I DIN_A4Q DI	ocked area 584 Title block, tables, comments
DIN_A4H DIN_A4Q DIN_A4Q DIN_A4Q DIN_A4Q DIN_A4Q DIN_A4Q DIN_A4Q DIN_A4Q DIN_A4D	
DIN_A4Q DIN_A4Q Modelling Modelling Seel Engineering	cked area 55.25 Title block, tables, comments
altermatic drawing derivation	
Steel Engineering	
Metal Engineering	
Plant Engineering	
Image: Sheet Metal	
Assembling simulation	
Analysis	
District Interfaces	
 PDM Compatibility 	
System settings	

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

SD Configuration Editor - HiCAD 19.2.0.395 [C:\ProgramData\ISD) So	tware und Systeme\HiCAD 2014\HiCAD.cfgdb]						x
File Edit View Extras ISD								
/ 6 8					User Administ	rator	Ŧ	8
🔺 🛅 HiCAD 🦛	A	Description	V	alue C	Comment			
A E Active configuration (Base configuration)		Show system axes	F	From top C	reate system axis an	notations in view	s of the type	2
Drawing		Annotate bores	F	From top C	reate tags for bores i	n views of the ty	pe	
Automatic drawing derivation		Annotate main parts	F	From top A	nnotate main parts i	n views of the ty	pe	
Drawing Drawing frames	lh	Annotate boltings	6	From ton	nnotato holtings in a	iews of the type		
Annotations	I.	Annotate Standard Parts	Ĩ			ts in views of th		
Development	=	Annotate sub-parts		From top		views of the typ	21	
Type of use assignment	Ŀ	Annotate weld seams		From front		in views of type		
🔺 🧱 Type of use-dependent				Left				
🔺 📰 Template				Right				
III Drawing frames				Back				
III Annotation				Bottom				
🔢 View group (3-D)	_			AXO landscap	e			
Views				AXO portrait				
View type assignment, Parts				Sectional view	/ left			
Wiew type assignment, General View type assignment, Part environment				Sectional view	right			
Set of dimensioning rules								
Default				ОК	Cancel			
BEFAULT(FLACHSTAHL)					<u>ا</u> لــــــــــــــــــــــــــــــــــــ	J		
DEFAULT(HOHLPROFILE)								
DEFAULT(I PROFILE)								
DEFAULT (PROFILE)								
DEFAULT (STAHLROHRE)								
ASSEMBLY_BEAM								
ASSEMBLY_COLUMN	Ŧ							
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

ISD Configuration Editor - HiCAD 19.2.0.395 [C:\ProgramD	ata\ISD Software und S	Systeme\HiCAD 2014\HiCAD.cfgdb]			
File Edit View Extras ISD					~
A 🔿	0,			User Administrator	- 🧟 🚬
Active configuration (Base configuration)	1 🖉 Descript	ion	Value	Comment	
Drawing	List of E	cel report templates	Collection		
Automatic drawing derivation					
Modelling		String Collection Editor		? <mark>×</mark>	
Steel Engineering		String Collection Editor			
Metal Engineering		Enter the strings in the collection (or	ne per line):		
Plant Engineering		Secure PinCalculation_detailed xltx		A	
Sheet Metal		Sicherheitsstiftberechnung_detailiert x	itx		
Assembling simulation					
Analysis					
 Interfaces PDM 	E				
 PDM Compatibility 					
System settings					
Line style definition					
Processing plane					
Start configuration				-	
Directories				4	
I Load/Save			0	K Cancel	
Data backup					
Identification		C			
Referencing					
Annotations					
Calculations					
Radial pin calculation					
Cylindrical pin calculation					
III Graphics	-				
System settings > Calculations > Cylindrical pin calculation					

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:\Program	Data\ISD Software und Systeme\HiC	AD 2013\HiCAD.cfgdb]		_ 🗆 🗡
File Edit View Extras ISD				
	AA 💂		User Administrator	- 🧟
🖃 🖶 HICAD 🔼	Description	Value	Comment	
Active configuration (Base configuration)	Row ID CatEditor	243700031		
III Analysis	Table ID CatEditor	243732027		
Assembling Simulation Compatibility	Row ID CatEditor	243700027		
Compatibility Drawing	Table ID CatEditor	243732027		
Automatic drawing derivation	Row ID CatEditor	243700029		
🛨 📰 Interfaces	Table ID CatEditor	243732027		
🗆 🧮 Metal Engineering	Row ID CatEditor	243700032		
🗄 🥅 Foil	Table ID CatEditor	243732027		
E Ealant Material	Row ID CatEditor	243700028		
Image and a second and as second and a	Table ID CatEditor	243732027		
	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						
🕤 💋 📲 🗠 🕄 📲	<i>4</i> 4	0	User Administrator	-		
hicad	Usage	Part type	Usage-dependent setting			
A E Active configuration (Base configuration)	Metal Engineering	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 Annotations 	Seal	All	MC_GASKET			
Development	Support profile	All	MC_PROFILE			
Usage assignment	Railing					
Usage-dependent	B	A.U.	CTRINIGER			
Mounting drawing	ISD Configuration	Editor - HiCAD 21.0.0.129 [
Modelling	Group My settings OK Cancel 5					
Steel Engineering						
Metal Engineering						
Plant Engineering						
Sheet Metal			GSEGMENT			
Assembling simulation	Rod	All	DEFAULT			
Analysis	Skirting board	All	STRINGER			
Interfaces	Steel Engineering					
PDM	Column assembly	All	ASSEMBLY_COLUMN			
Compatibility	Columns	All	COLUMN			
System settings	Cross-bracing	All	CROSS_BRACING			
Configurations	Frame	All	FRAME			
	Girder	Round steel	BEAM(ROUND)			
	Girder					
		Steel pipes	BEAM(ROUND)			
	Girder	All New group	BEAM	Арр		
	Delete	new group		Appi		

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.

🕤 🖉 📲 🗳 🔢	AA 0		User Administrator	🦉
 HicAD Active configuration (Base configuration) Drawing Automatic drawing derivation Production drawing Drawing Drawing Drawing Drawing frames Development Usage assignment Mounting drawing Modelling Steel Engineering Plant Engineering Sheet Metal Assembling simulation Analysis Interfaces PDM Compatibility System settings Configurations 	Usage Intil Knee rail Mullion Railing Railing segment Rod Skirting board	Part type All All All All All All All All	Usage-dependent setting FILLING STRINGER POST RAILING RAILINGSEGMENT DEFAULT STRINGER	
	General All Catalogue Columns Civil Engineering > General > Column Girder Civil Engineering > General > Girder Contact profile Civil Engineering > Metal Engineering : Cover bar Civil Engineering > Metal Engineering : Seal Civil Engineering > Metal Engineering : Isolator Civil Engineering > Metal Engineering : Support profile Civil Engineering > Metal Engineering : Connector Civil Engineering > Metal Engineering : Fixing bracket	> Elements > Cover bar > Elements > Seal > Elements > Inserted profile > Elements > Isolator > Elements > Support profile > Elements > Connector	ASSEMBLY_COLUMN COLUMN CROSS_BRACING FRAME BEAM(ROUND) BEAM(ROUND) BEAM DEFAULT(FLACHSTAHL) DEFAULT(HOHLPROFILE) DEFAULT(PROFILE) DEFAULT(STAHLROHRE) DEFAULT	

Permissions

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	ОК
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 Derive configuration				
Rename configuration				
Delete configuration				
Derive structure Delete derived 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

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** in function (3-D Dimensioning + Text Tools > Dimensioning > Tools) to take over the settings of the BEM3DPAR.DAT file.

Scenarios

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 2017 or 2018 to the Configuration database after installing HiCAD 2019 (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?

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.



Important:

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?

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?

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?

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?

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	Designers NL	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?

When performing an update from HiCAD 2017 or HiCAD 2018, your settings from the existing configuration file **HICAD.CFGDB** of your previous HiCAD version will be transferred to the Configuration Management of HiCAD 2019, 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 2016 or 2017 to the Configuration Database after installing HiCAD 2018 (new installation)?

If you perform a (new) installation of HiCAD 2019, 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 2017 or HiCAD 2018 to the Configuration Management of HiCAD 2019, 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 2019.

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 2019.

		x
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 2019.

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.

CfgDbTool			
Update Migrate			
Base folder	C:\HiCAD		
Target database	C:\hicad\Configuration\HiCAD.cfgdb		
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)?

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

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?

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> mission 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?

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?

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?

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)?

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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