

Manual

Commissioning Report



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These instructions explain how to create a Commissioning Report in GridVis desktop.

Content

- ▪ Range of the commissioning report functions
- ▪ Configuring a commissioning report in GridVis Desktop
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1 Introduction

You can create a commissioning report with the **Create data export** function on GridVis Desktop. The report serves as a final report after commissioning and contains an overview of the project (customer and inspector data, details of the GridVis version used in the project) as well as the four optional elements **acceptance protocol**, **device details**, **converter settings** and **connection control**.

The **acceptance protocol** consists of:

- A checklist of up to 10 points, which the inspector evaluates.
- A text field for the inspector's comments.
- A traffic light graphic in which the overall evaluation of the checklist is visualized.

The **device details** include:

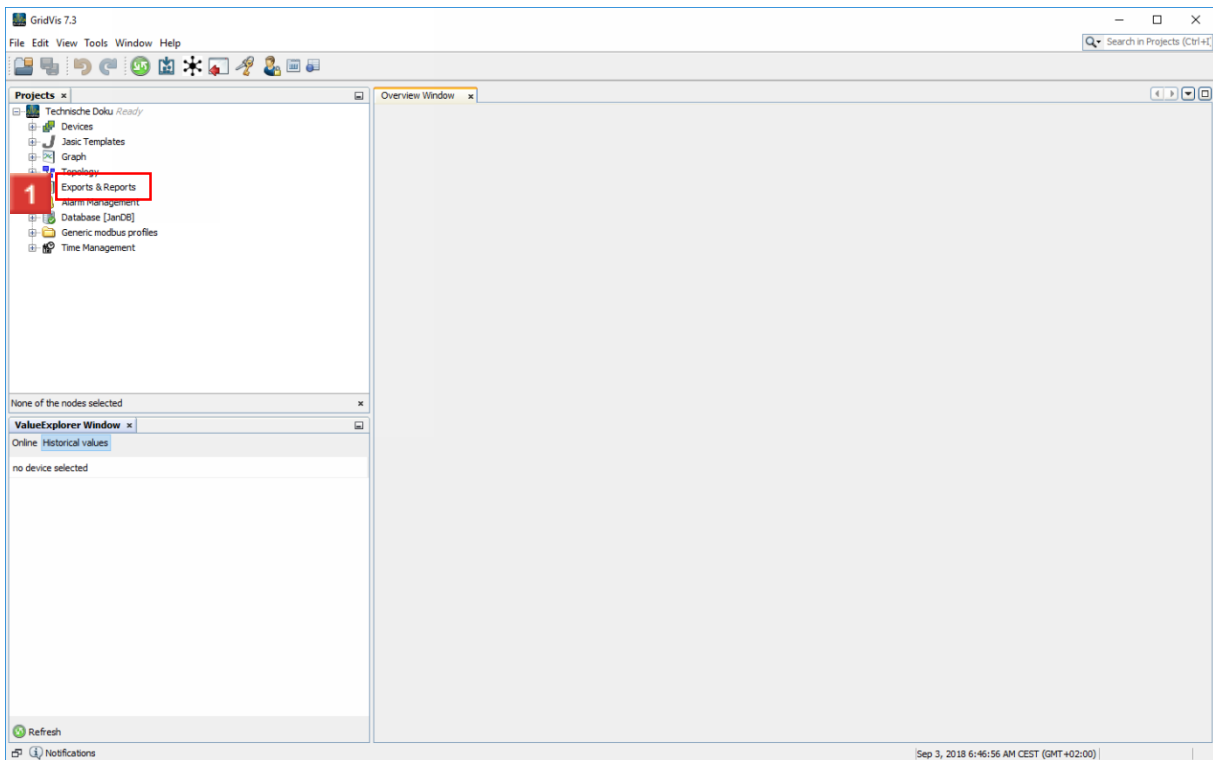
- The type of connection with which the respective device is connected to GridVis.
- IP address, Modbus ID, serial number, firmware, Mac address and device description of the respective device.
- The time set on the respective device. Optionally, you can check whether the time matches the system time of the computer/server. In case of deviations, the time is highlighted in red.
- The status of the connection between the respective device and GridVis.

In the **transformer setting**, the set current and voltage transformer ratios of the respective device are listed. Optionally, you can check here whether the set ratio of the primary current transformer exceeds a threshold value.

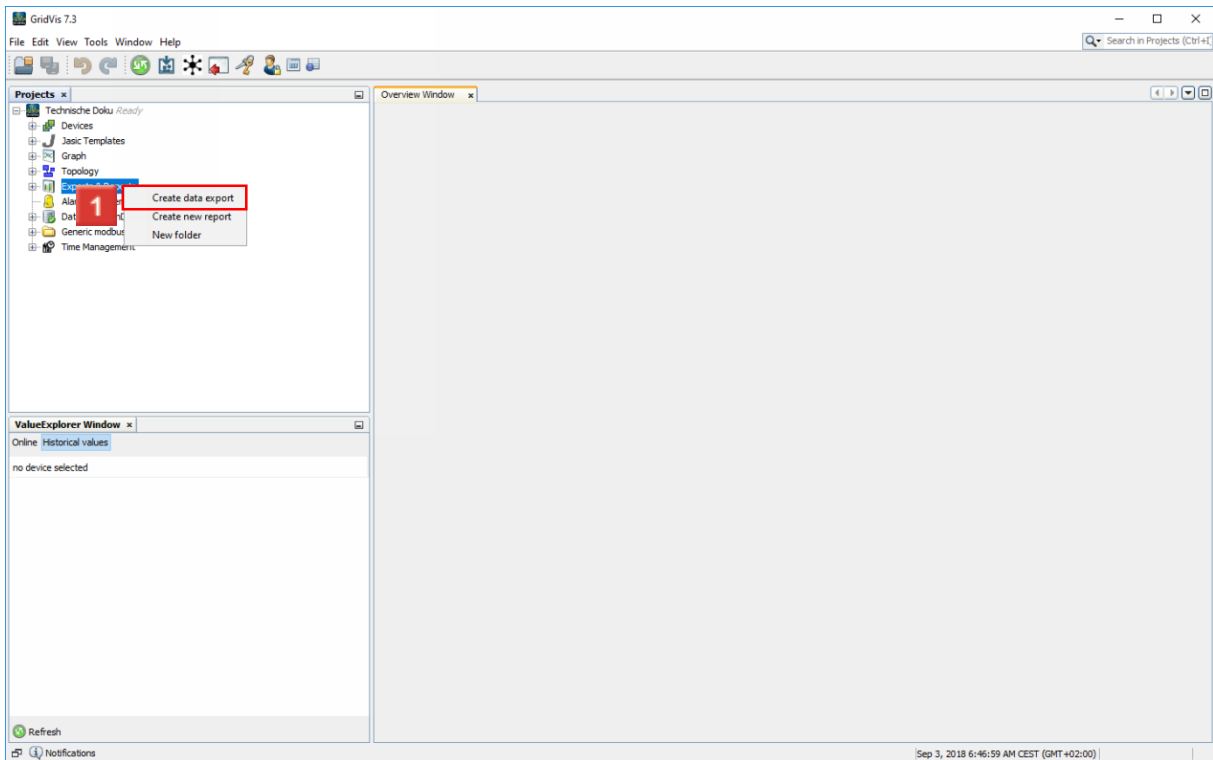
The **connection control** lists the measured values for current, voltage, power, active power factor and the direction of the rotation field (if available) for each individual device. You can also optionally carry out a threshold value check. The corresponding value is highlighted in red if the value falls below the threshold values.

Inbetriebnahme Report										powered by Janitza											
Kundendaten			Prüfung			Geräteaufzeichnung			Software details												
Firma	Musterfirma	Erstellungsdatum	09.07.2018 11:47 Uhr						Geräteanzahl Gesamt	3											
PLZ_Ort	35633, Lahau	Prüfer	Musterfirma						GridVis Version	Janitza-GridVis 7.3.1											
Straße	Vor dem Polstück 2								Lizenz Nummer	ULTIMATE											
Ansprechpartner	Max Mustermann	Firma	Janitza electronics GmbH						Lizenz Updates bis	18548-47917											
Email	max.mustermann@Musterfirma.de	Email							kostenlose Updates bis	08.11.2021 16:20											
Telefon	015882738293	Telefon							Datenbank	JanDB											
Abnahmeprotokoll																					
Gesamtbewertung		Protokoll		Ja		NEIN		Bemerkungen													
		1 Die Abnahme durch einen Servicetechniker wurde erfolgreich bestanden.				X															
		2 Die Verbindungsprüfung wurde überprüft und Abweichungen aufgezeichnet.				X															
		3 Die allgemeinen Geräteeinstellungen wurden überprüft.				X															
		4 Die Software wurde aktualisiert.				X															
		5 Die Firmware wurde auf die aktuellste Version aktualisiert.				X															
		6 Das Bedienpersonal wurde in die Software eingewiesen.				X															
		7				X															
		8				X															
		9				X															
		10				X															
Bewertung: => 0=3 kein = grün => 1=2 kein = orange => 3=kein = rot																					
Gerätedetails																					
ID	Gerätetyp	Gerätename	Verbindung	IP-Adresse	MB ID	S / N	FW	MAC	Gerätezeit	Status Verb.	Gerätebeschreibung										
1	JanitzaUMG512	UMG 512 - TD	TCP/IP	192.168.3.198	keine	4200-0053	5.004	00:0E:6B:09:00:35	11:47	Ok	UMG 512 - TD Testgerät										
2	JanitzaUMG96RME	UMG 96 RM-E - TD	Mod/TCP	192.168.3.183	1	1702-1958	3.04	00:0E:6B:06:05:05	11:57	Ok											
3	JanitzaUMG604	UMG604 - TD	TCP/IP	192.168.3.157	keine	7001-6959	5.000	00:0E:6B:02:53:BA	11:47	Ok	UMG604 - TD-Testgerät										
MB ID = Modbus Adresse SN = Seriennummer FW = Firmware MAC = Media Access Control Adresse Status Verb. = Status Verbindung																					
Wandereinstellungen																					
ID	Gerätetyp	Gerätename	CT PRIM L1	CT SEC L1	CT PRIM L2	CT SEC L2	CT PRIM L3	CT SEC L3	VT PRIM	VT SEC	Hinweis										
1	JanitzaUMG512	UMG 512 - TD	5,00 A	5,00 A	5,00 A	5,00 A	5,00 A	5,00 A	400,00 V	400,00 V											
2	JanitzaUMG96RME	UMG 96 RM-E - TD	5,00 A	5,00 A	5,00 A	5,00 A	5,00 A	5,00 A	1,20 kV	400,00 V	Spannungswandler verwendet!										
3	JanitzaUMG604	UMG604 - TD	50,00 A	5,00 A	50,00 A	5,00 A	50,00 A	5,00 A	400,00 kV	400,00 V	Spannungswandler verwendet!										
CT PRIM = Stromwandler primär CT SEC = Stromwandler sekundär VT PRIM = Spannungswandler primär VT SEC = Spannungswandler sekundär																					
Anschauungskontrolle																					
ID	Gerätetyp	Gerätename	ULN 1	ULN 2	ULN 3	ULN 23	ULN 31	ELN 1	ELN 2	ELN 3	lv 1	lv 2	lv 3	lv 4	lv 5	lv 6	lv 7	lv 8	lv 9	lv 10	
1	JanitzaUMG512	UMG 512 - TD	228,34 V	228,42 V	228,38 V	156,47 mV	100,57 mV	111,28 mV	44,46 mA	44,35 mA	44,41 mA	cap 0,97	cap 0,97	cap 0,97	4,21 W	4,17 W	4,17 W	N	N	N	N
2	JanitzaUMG96RME	UMG 96 RM-E - TD	685,21 V	228,45 V	228,38 V	456,76 V	103,70 mV	456,83 V	23,50 mA	23,51 mA	23,15 mA	ind 0,00	ind 0,00	ind 0,00	0,00 W	0,00 W	0,00 W	N	N	N	N
3	JanitzaUMG604	UMG604 - TD	228,34 kV	228,37 kV	228,31 kV	138,06 V	156,33 V	176,06 V	0,00 A	0,00 A	0,00 A	cap 1,00	cap 1,00	cap 1,00	0,00 W	0,00 W	0,00 W	N	N	N	N
ULN = Spannung Phase N-V UL3 = Spannung Phase Phase N-V LVN = Strom in A F = cosφ (Power Factor) P = Leistung in kW C = Drehes L = Umlauf-Richtung, N = kein Drehes																					

2 Create new data export

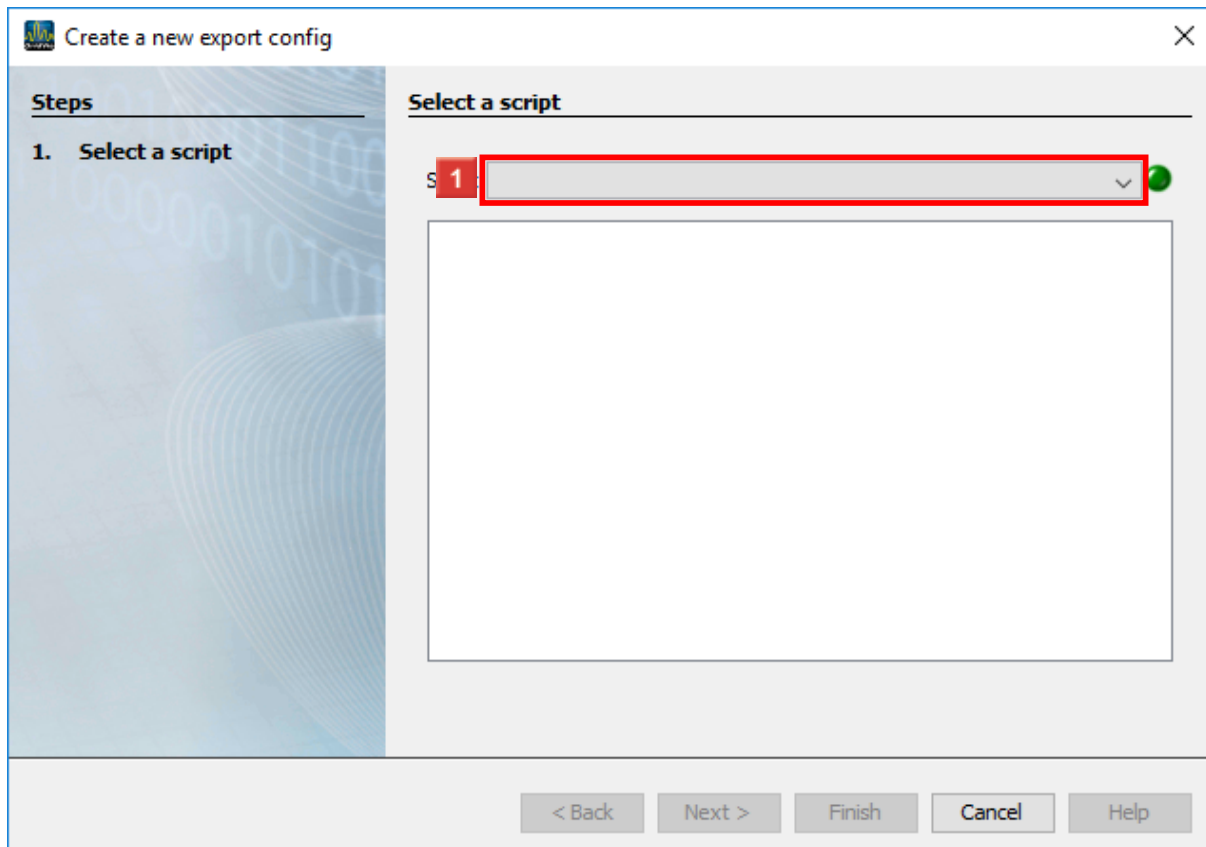


1 Right-click the **Exports & Reports** tree item.

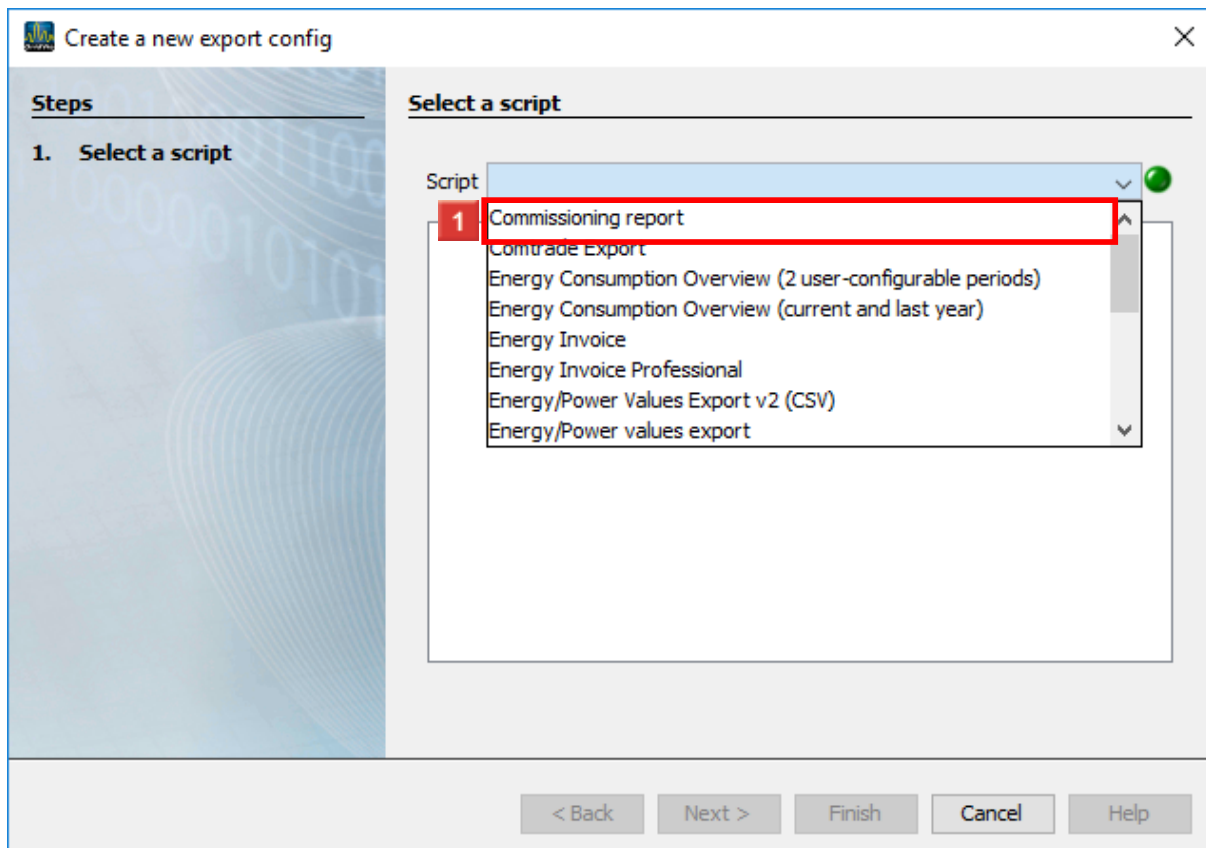


1 Click the **Create data export** menu item.

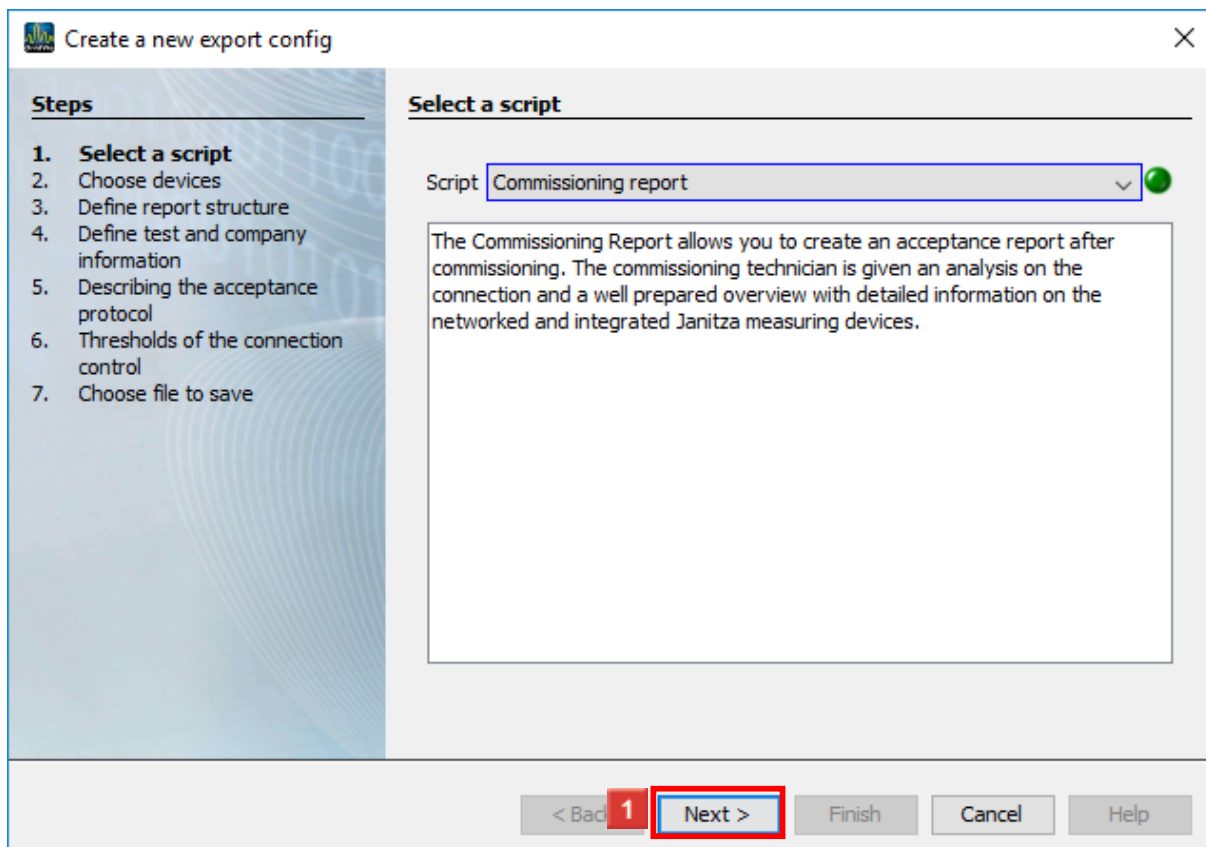
3 Create a new export config



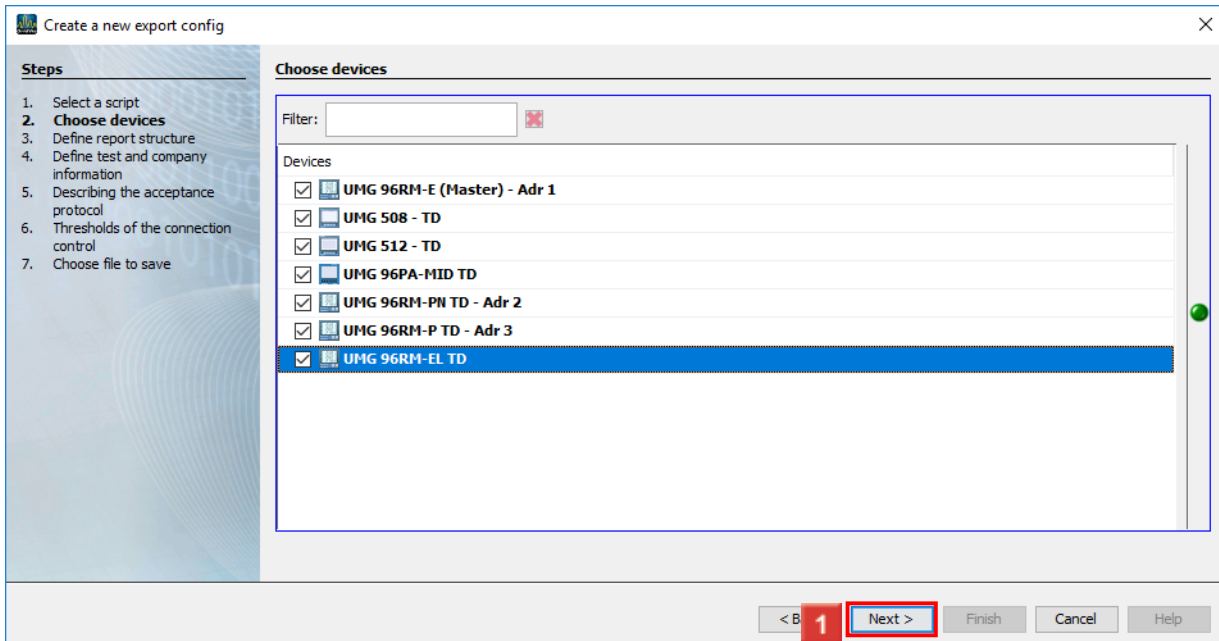
1 Click the **Script** dropdown button.



1 Click the **Commissioning report** list item.



1 Click the **Next** button.

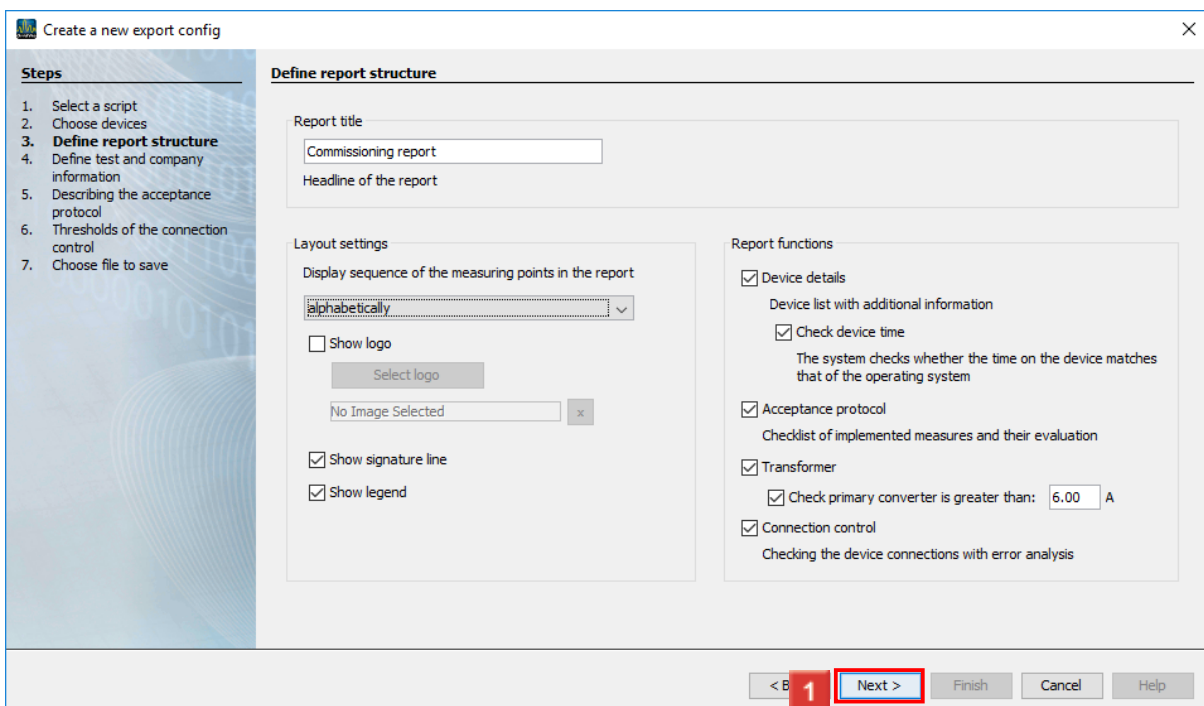


1 The checkboxes allow you to integrate any number of devices from your projects into the report.

Click the **Next** button.

2 Click the **Darstellungsreihenfolge der Messstellen im Report** dropdown button.

3 Click the **Sortierreihenfolge** list item.



1 Click the **Next** button.

Steps

1. Select a script
2. Choose devices
3. Define report structure
- 4. Define test and company information**
5. Describing the acceptance protocol
6. Thresholds of the connection control
7. Choose file to save

Define test and company information

Company information

Company

Street

Zip, City

Contact

Email address of the contact person

Telephone number of the contact person

Test information

Location

Name of the tester

Employee of the tester

E-Mail address of the tester

Telephone number of the tester

< Back **1** Next > Finish Cancel Help

1 In this step, you specify the company in which the inspection was carried out and the inspector.

Click the **Next** button.

Steps

1. Select a script
2. Choose devices
3. Define report structure
4. Define test and company information
- 5. Describing the acceptance protocol**
6. Thresholds of the connection control
7. Choose file to save

Describing the acceptance protocol

Acceptance protocol	Yes	No
1. The acceptance by a service technician has been passed successfully.	<input checked="" type="radio"/>	<input type="radio"/>
2. The connection check was checked and deviations were recorded.	<input checked="" type="radio"/>	<input type="radio"/>
3. The general settings of the devices have been checked.	<input checked="" type="radio"/>	<input type="radio"/>
4. The software has been updated.	<input checked="" type="radio"/>	<input type="radio"/>
5. The firmware has been updated to the latest version.	<input checked="" type="radio"/>	<input type="radio"/>
6. The operating personnel were instructed in the software.	<input checked="" type="radio"/>	<input type="radio"/>
7. <input type="text"/>	<input checked="" type="radio"/>	<input type="radio"/>
8. <input type="text"/>	<input checked="" type="radio"/>	<input type="radio"/>
9. <input type="text"/>	<input checked="" type="radio"/>	<input type="radio"/>
10. <input type="text"/>	<input checked="" type="radio"/>	<input type="radio"/>

What is the maximum number of protocol steps that can be answered 'No'?

Show traffic rating

Comments

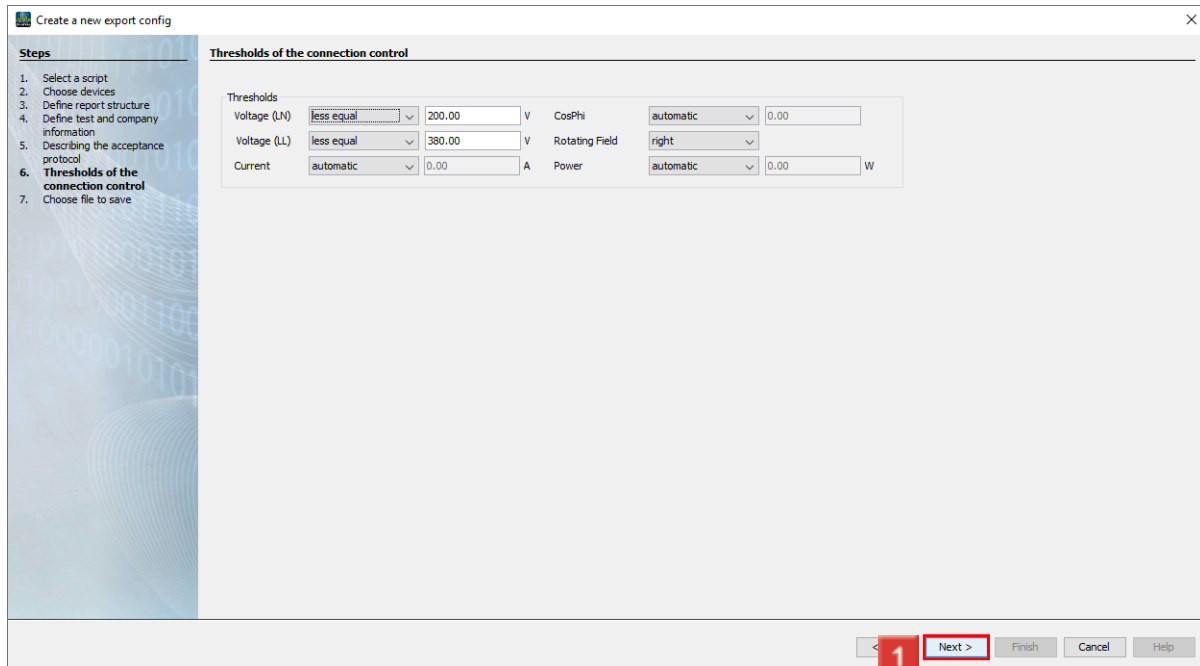
500/500 Character

< Back **1** Next > Finish Cancel Help

1 Here, you can record up to 10 points in the protocol and document their fulfillment / non-fulfillment with the Yes / No radio buttons.

Use the input field to specify the maximum number of points that can be answered with No to pass the inspection.

Click the **Next** button.

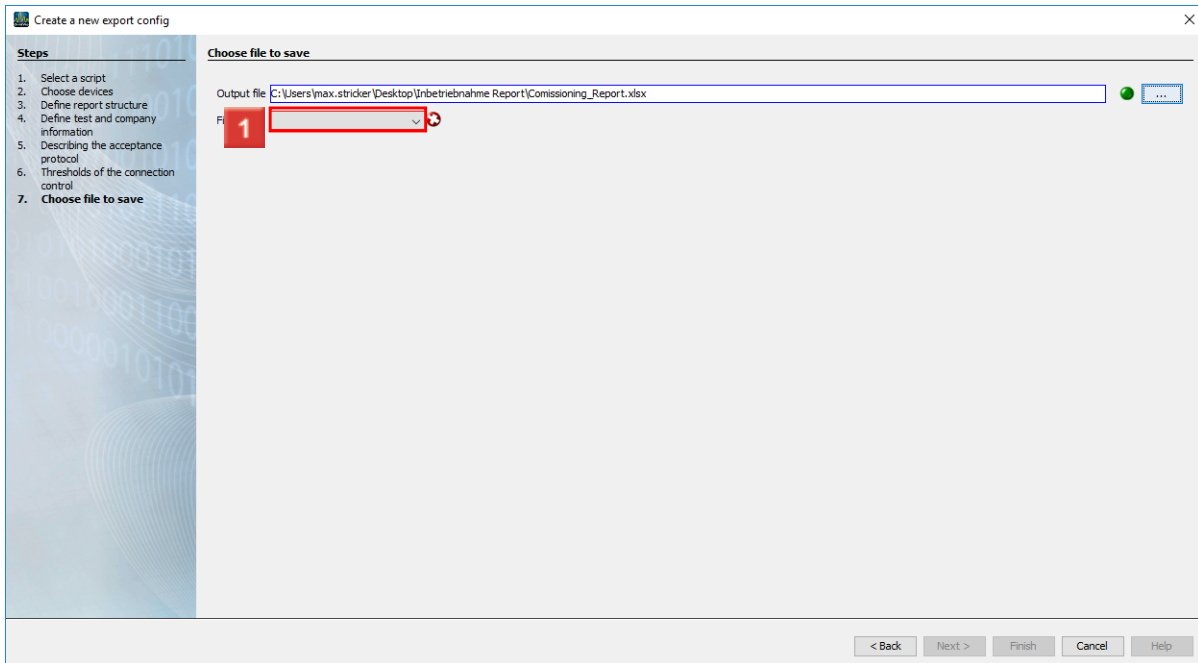


1 In this step, you configure the threshold value for connection monitoring. The options less or equal to, less than and automatic are available.

Click the **Next** button.

Automatic threshold values

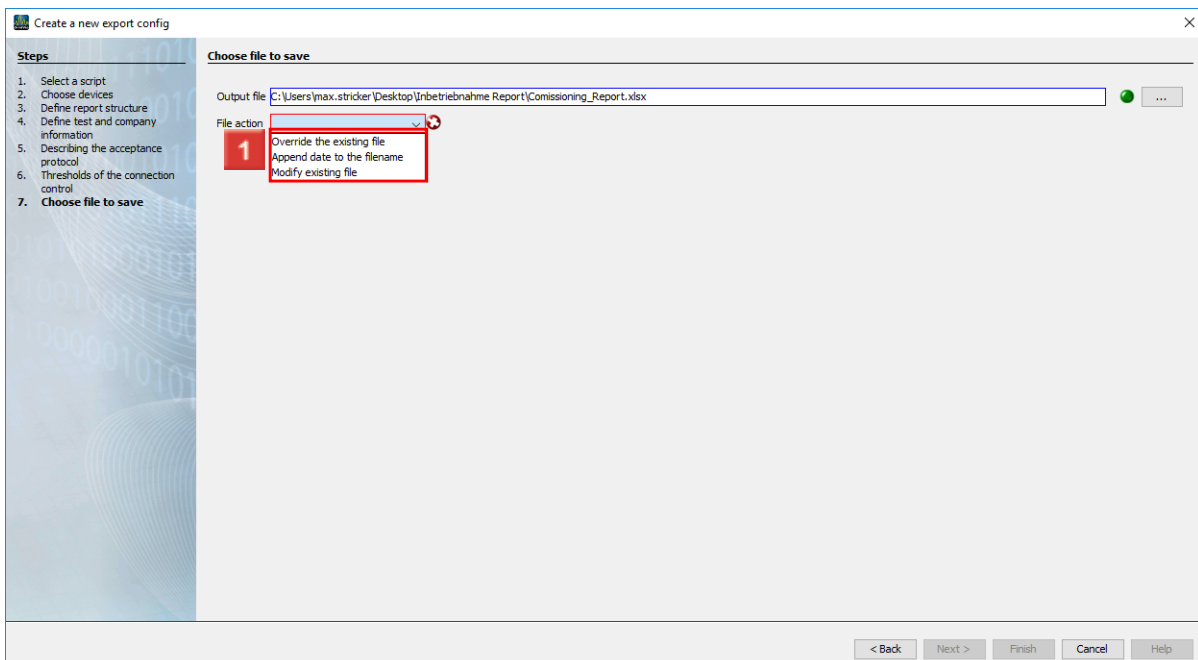
- Voltage = 90% of the set primary voltage.
- Current = 1% of the set primary current.
- CosPhi = 0.5
- Power = 1% of the set primary current * Voltage of the respective phase



1 In this step, you specify how the export is to be saved.

Supported file formats include pdf, xls and.xlsx

Click the **File action** drop-down button.

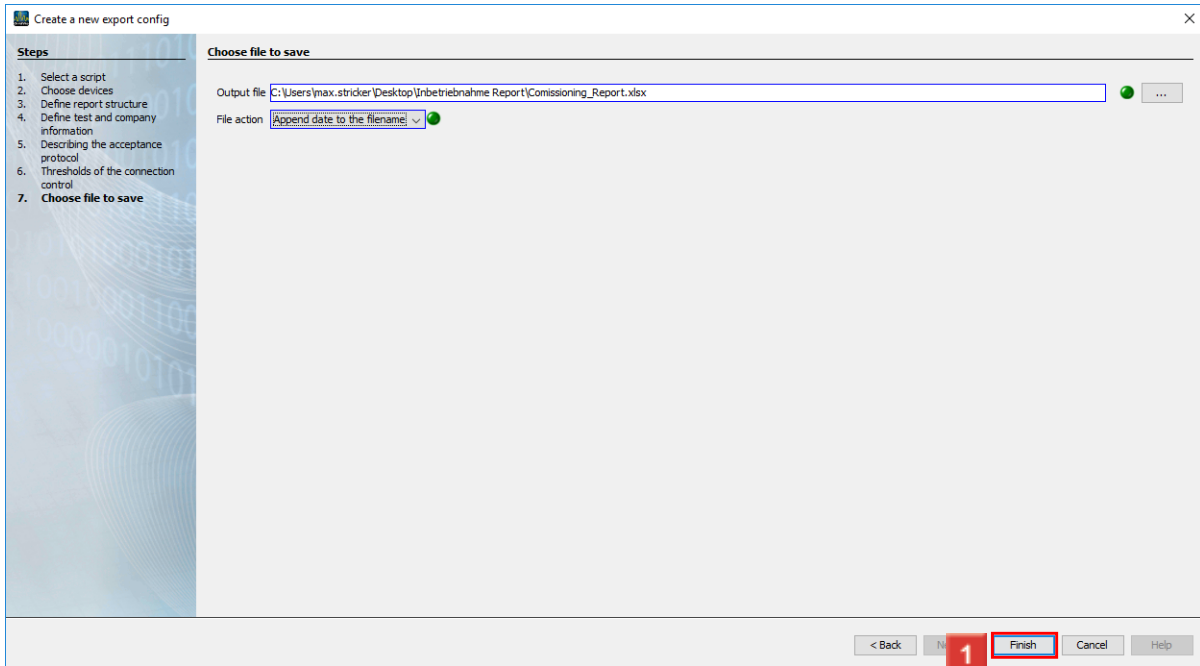


1 Here, you select how GridVis proceeds if the specified file already exists.

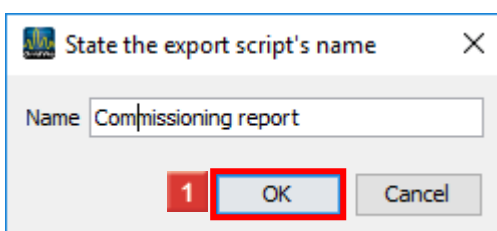
Select one of the three file actions from the list.

i Append date to the file name:

- i** Creates an additional file and appends the execution date of the report to the file name
- i** **Modify existing file:**
- i** Edits the data in an existing file. Worksheets added to an Excel file are kept.
- i** **Overwrite existing file:**
- i** Overwrites an existing report. Edits made by a user in the document are lost.



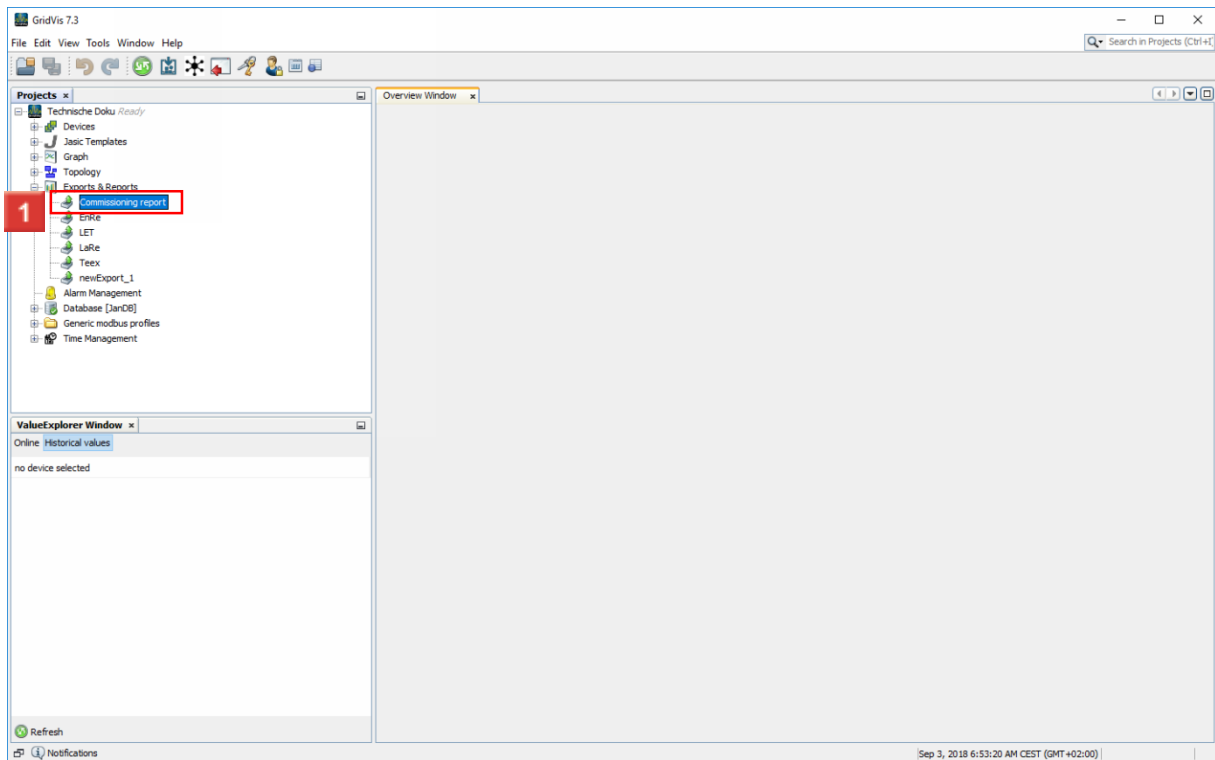
1 Click the **Finish** button.



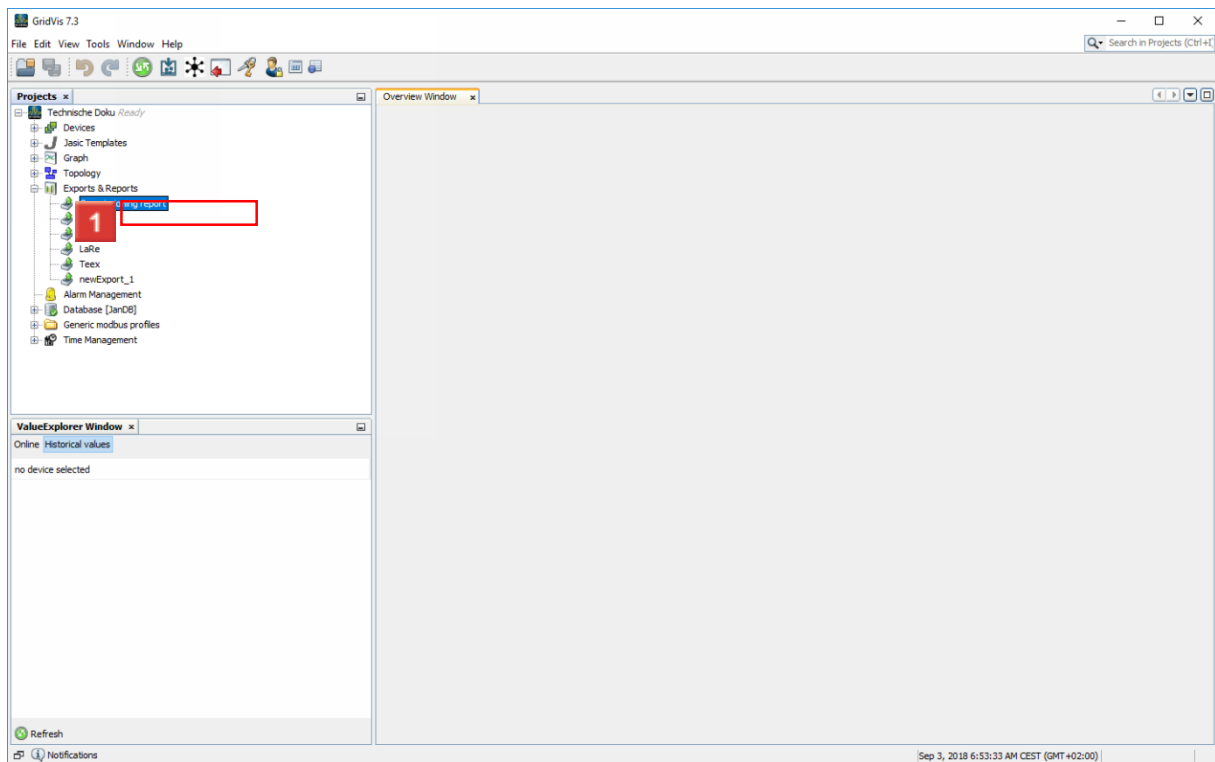
1 Here, you enter a name under which the export is saved in GridVis.

Click the **OK** button.

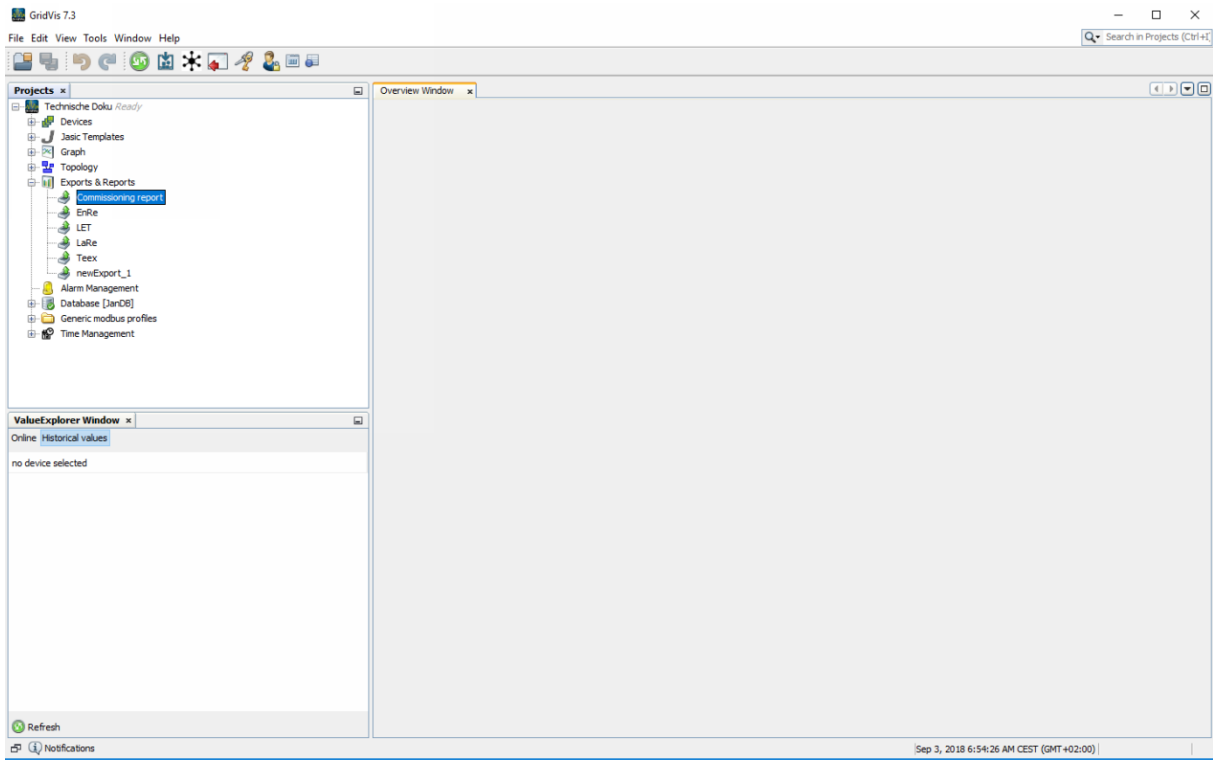
4 Execute new export



1 Right-click the tree entry of your export.



1 Click the **Execute data export** menu item.



5 Summary

Please enter your text here.

Structure

The commissioning report consists of the following elements, which can be shown and hidden as required:

- Device details
- Acceptance report
- Transformer settings
- Connection control

Connection control

During the connection check, threshold values for the following measured values are specified:

- Voltage (L-N) - automatic threshold value: 90% of the set primary voltage
- Voltage (L-L) - automatic threshold value: 90% of the set primary voltage
- Current - automatic threshold value: 1% of the set primary current
- CosPhi - automatic threshold value: 0.5
- Rotation field
- Power - automatic threshold value: 1% of the set primary current * Voltage of the respective phase

Acceptance report

The acceptance report consists of a checklist of up to 10 points and an evaluation according to the number of points rated with No.

During configuration, the number of questions that can be answered with No in order to be assigned a green traffic light is defined.

If this number is exceeded, a red traffic light is displayed.