

DS Agile Studio Configuration Tool v5.2

Release Notes

Date: June 17, 2025

Classification: GE Vernova Information

Publication Number: MIS-0114 V5.20 R2

Release Notification of DS Agile Studio v5.2

DS Agile Studio™ (also known as **DSAS**, pronounced D-sass) v5.2 is the latest version of the single and unified configuration tool for GE Vernova’s Grid Solutions Substation Automation Gateways and RTU products. It includes **MCP Studio** for the G100, G500 and D400 Gateway devices and **D2x Studio** for the D20/D200, D20MX, D25, and iBox series of RTU and Substation Controllers.

DS Agile Studio version 5.2 encompasses all the features of the following software products:

- DS Agile Studio 5.x, 4.x, 3.x, 2.x and 1.x (NOTE: DSAS 5.2 can upgrade (replace) or be installed side-by-side with these versions)
- SGConfig 11.1 and prior, ConfigPro 7 and prior

DS Agile Studio v5.2 Changelog

**NOTE:** The DS Agile Studio Release Notes can always be viewed in DSAS after installing the tool. Look for the Getting Started section, right below Recent Projects on the Start Page. In Release Notes, look under the Modification History section for previous versions.

Getting Started

What's New

Release Notes

DS Agile Studio™ 5.2.0.46916

Installation Notes

Supported Operating Systems

Localization of HMI for MCP devices

Known Issues

Modification History

Version 5.2

Version 5.2

Enhancement(s)

Issue(s) Resolved

Version 5.1

Version 5.0

Version 4.1

Version 4.0

Version 3.1

Version 3.0

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What's New

This topic briefly describes the new features provided with each DS Agile Studio release.

v5.1 Features

You can

Note

For further detail

create G100v5.2/G500v5.1 devices by specifying the model number

use up to 20 serial ports for D2x Apps

re-import SCL files in the IEC 61850 Loader for MCP devices

PlayDevName	DataSet	LDName	LNPrefix	LNClass	LNInst	DAO	Re-import with retaining DB links	Notes
Same	Same	Same	Same	Same	Same	Same	Is possible	
Same	Same	Same	Same	Same	Same	Same	Yes	SCD/CID/IED ok.
Changed	Same	Same	Same	Same	Same	Same	Yes	SCD/CID/IED ok.
Same	Changed	Same	Same	Same	Same	Same	No	Requires user to first Rename the Existing IED Name in Loader to match new name in SCL file - and then do the re-import.
Same	Same	Same	Changed	Same	Same	Same	No	
Same	Same	Same	Same	Changed	Same	Same	No	
Same	Same	Same	Same	Same	Changed	Same	No	
Same	Same	Same	Same	Same	Same	Changed	No	

DS Agile Studio v5.2 Enhancements

- **Improved robustness of IEC 61850 Loader re-import operation**
- Add support for G100/G500 v5.2 devices
- Added support for Digital Event Manager (DEM) Bulk editor in G100/G500v5.2 devices
- Added support for 1TB drive for G100/G500v5.2 devices with Intel processors

## DS Agile Studio v5.2 Resolved Issues

- Fixed issue where it was not possible to import D.20 peripherals into a G500 device if the D.20 peripheral was previously upgraded (DCSSUP-30285).
- Fixed issue where Loader re-import operation only worked correctly the first time it was performed. (DCSSUP-30221).
- Fixed issue where an exception would occur when attempting to Save and Exit the IEC 61850 Loader after a re-import operation was performed. (DCSSUP-30221).
- Fixed issue where the IEC 61850 Override was ignored when pasting from Excel into a G100/G500 client map. (DCSSUP-30159).
- Fixed issue where it was not possible to delete user-defined templates.
- Fixed issue where performing the Change Application operation from the Application List caused the application to crash. (DCSSUP-30241).
- Fixed issue where the timings in the diagnostics log were incorrect.
- Fixed issue where the Generate D2x operation failed for a G500 device with D2x apps configured containing the LogicLinx application after it was copied if the LogicLinx files were embedded in the application. (DCSSUP-30505)
- Fixed issue where changes made in the IEC Loader configuration were not persisted when a Save operation was performed followed by clicking on the close button. The close button is now disabled. (DCSSUP-30506)
- Fixed issue where changes made in the offline editor for G100v230 were not reflected in server maps. (DCSSUP-30169)

## Supported Operating Systems:

Microsoft™ Windows 11 64-bit Professional, Enterprise with 8 GB RAM.

Microsoft™ Windows 10 64-bit Professional, Enterprise and Ultimate with 8 GB RAM.

Microsoft™ Windows Server 2019 with 8 GB RAM.

**NOTE:** G500, G100, and D400 v5.40 editors only install on 64-bit operating systems

**NOTE:** Support for and Testing on Windows 7 ended with DSAS v3.0

For a complete compatibility matrix, go to the DS Agile Studio folder on the [SAS Technical Support website](http://sc.ge.com/*SASTechSupport) (login required) at [http://sc.ge.com/\\*SASTechSupport](http://sc.ge.com/*SASTechSupport)

Support will not be provided for versions of this product that are installed on operating systems other than those identified above, as the operation of this product has not been verified for any other combinations of operating systems.

## Release Information

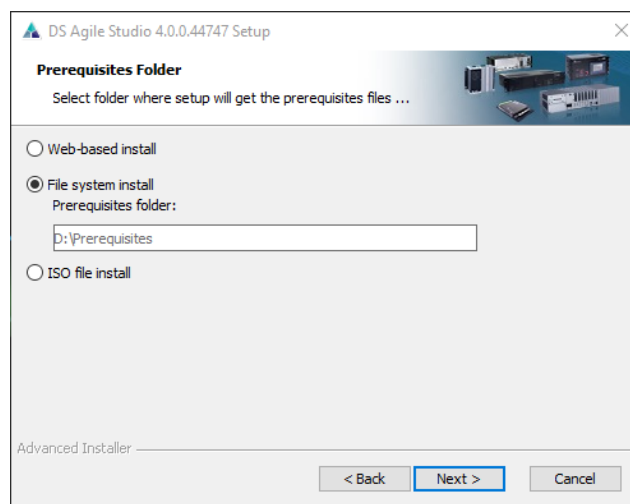
ISO File	DSAgileStudio_5.2.0.46916.iso
SHA256	19ac89283b599d25f191bcb9388a3dbb0c45cde343b0c9f1d7a562cffc1fe023
MD5SUM	aecae021ab4adcb3623d40e2391da06c

Installer File	SetupDSAgileStudio.exe
SHA256	2961cedbe27b43eafb188810b9496413e77aef11583cc67f179a439b59118012
MD5SUM	19b629fb90dacb023fde5c82d183866d

## DSAS Install Procedure

Please download the DS Agile Studio ISO file, mount the .iso file as a drive, run the SetupDSAgileStudio.exe file and use the File System Install option to install DSAS.

Due to a change in GE Vernova cyber security policies, the DS Agile Studio Web Install no longer works outside of the GE Vernova network. We apologize for any inconvenience.

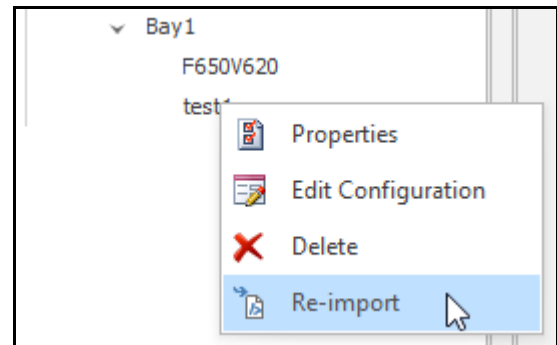
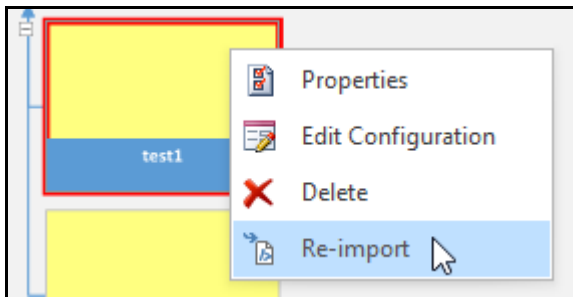


## Additional Information about the IEC 61850 Loader support for re-importing SCL files

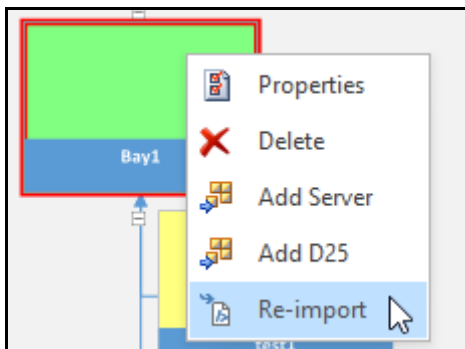
DSAS v5.1 introduces support for re-importing SCL files (.scd, .cid, .icd, .iid) in the IEC 61850 Loader for MCP devices. This means that new versions of SCL files can be used to update the configuration of IEC 61850 Client configurations in IEC 61850 Loader, subject to certain rules. DSAS v5.2 improves this feature.

“Re-import operation” means that new versions of SCL files associated with the same previously configured (“imported”) Servers (same Device Type and Device Name) can be used to update the configuration of IEC 61850 Client in IEC 61850 Loader, subject to below rules.

1. SCL re-import can be performed on MCP devices (minimum firmware v2.5) with IEC 61850 Client in Ed1/Ed2 mode (displayed in the title bar of IEC 61850 Loader).
2. Re-import can be performed only for devices with same PhysicalDeviceName as when was first imported (created).
3. SCL files can be re-imported in one of two ways:
  - a. CID, ICD, and IID files can be re-imported by right clicking on the corresponding device in IEC 61850 Loader and choosing the Re-import option. The IEC 61850 Loader then prompts to select the new SCL file (.cid, .icd, .iid) for that device if it contains the same PhysicalDeviceName.



- b. SCD files can be re-imported by right clicking on the Bay and choosing the Re-import option. The IEC 61850 Loader then prompts to select the new SCD file, evaluates for IEDs that are in the bay in the new SCD file, and prompts to choose which IED(s) to re-import. Only previously instantiated IEDs in the selected Bay which are found in the new SCL file are allowed to be re-imported. For e.g. – if the same SCD file contains multiple IEDs in different bays, the re-import operation will have to be performed on each bay, for those specific IEDs part of same SCD file but across bays.

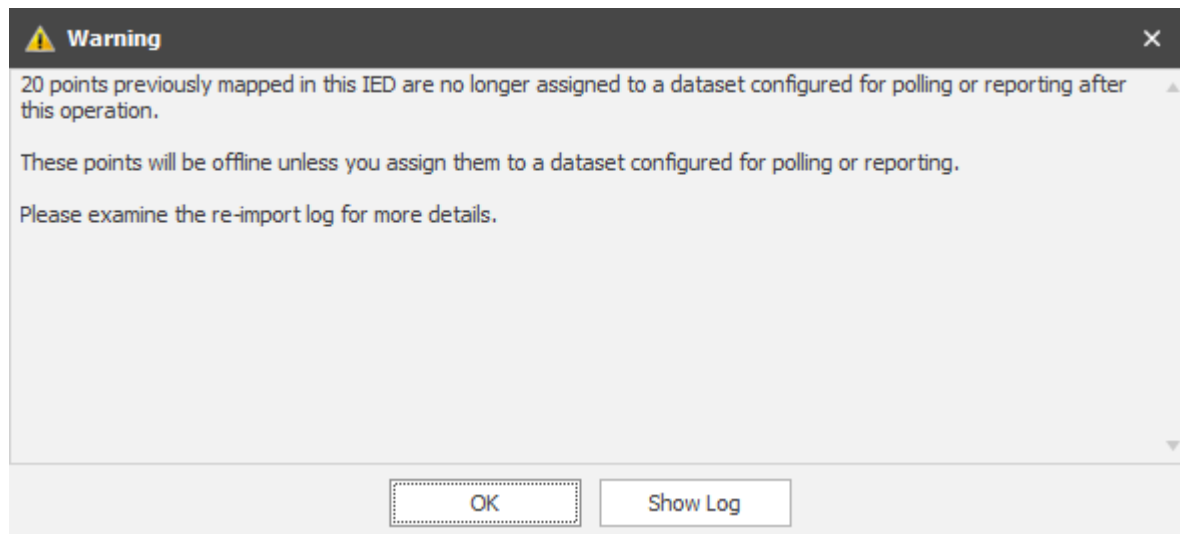


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- Only previously mapped points (selected in the tree) are assessed for changes after re-import of the new SCL file.
- Re-import operations will retain the database links for the previously mapped points as long as the DataModel in the new SCL file still contains the previously mapped points **and** any potential changes in the new SCL file follow the "Yes" result in the table below

PhyDevName	DataSet	LDName	LNPrefix	LNClass	LNInst	DAO		
PhyDevName	DataSet	LDName	LNPrefix	LNClass	LNInst	DAO	Re-import with retaining DB links is possible	Notes
Same	Same	Same	Same	Same	Same	Same	Yes	SCD/CID/IID ok.
Changed	Same	Same	Same	Same	Same	Same	Yes	SCD/CID/IID ok. Requires user to first Rename the Existing IED Name in Loader to match new name in SCL file - and then do the re-import.
Same	Changed	Same	Same	Same	Same	Same	Yes	SCD/CID/IID ok. May require configuration of Dynamic DataSet(s) if the previously mapped data is still in the data model but no longer in any configured dataset.
Same	Same	Changed	Same	Same	Same	Same	No	
Same	Same	Same	Changed	Same	Same	Same	No	
Same	Same	Same	Same	Changed	Same	Same	No	
Same	Same	Same	Same	Same	Changed	Same	No	
Same	Same	Same	Same	Same	Same	Changed	No	

- Re-import operations will remove the previously mapped points from the database if the new SCL file changed the DataModel in a way that impacts previously mapped points according to the "No" result in the table above.
- The re-import operation will inform user if previously mapped points have been removed from the DataSet but are still part of the DataModel in the new SCL file; these previously mapped points will still be present in the database (but not in the DataSet Tree).



Log example:

```
2025-01-15 15:26:32.6165 - WARN: The following previously mapped point(s) for IED
Test_2 are no longer assigned to a dataset for retrieval by polling or reporting after
the Loader re-import operation.
```

```
These points will be offline unless you assign them to a dataset configured for polling
or reporting.
```

```
2025-01-15 15:26:32.6165 - WARN:
=====
```

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```
2025-01-15 15:26:32.6165 - WARN: HomeDirectory=S000001,Point ID=409,Point Name=GGIO1
Indication 1,Point Reference=Test_2.Master/.GGIO.1.Ind1.stVal[ST].0,Point
Type=DigitalInput

2025-01-15 15:26:32.6165 - WARN: HomeDirectory=S000001,Point ID=200,Point Name=Phase A
THD,Point Reference=Test_2.Meter/J1.MHAI.1.ThdA.phsA.cVal.mag.f[MX].0,Point
Type=AnalogInput

2025-01-15 15:26:32.6165 - WARN: HomeDirectory=S000001,Point ID=202,Point Name=Phase C
THD,Point Reference=Test_2.Meter/J1.MHAI.1.ThdA.phsC.cVal.mag.f[MX].0,Point
Type=AnalogInput

2025-01-15 15:26:32.6165 - WARN: HomeDirectory=S000001,Point ID=248,Point
Name=Vab,Point Reference=Test_2.Meter/.MMXU.1.PPV.phsAB.cVal.ang.f[MX].0,Point
Type=AnalogInput

2025-01-15 15:26:32.6310 - WARN: HomeDirectory=S000001,Point ID=249,Point
Name=Vab,Point Reference=Test_2.Meter/.MMXU.1.PPV.phsAB.cVal.mag.f[MX].0,Point
Type=AnalogInput

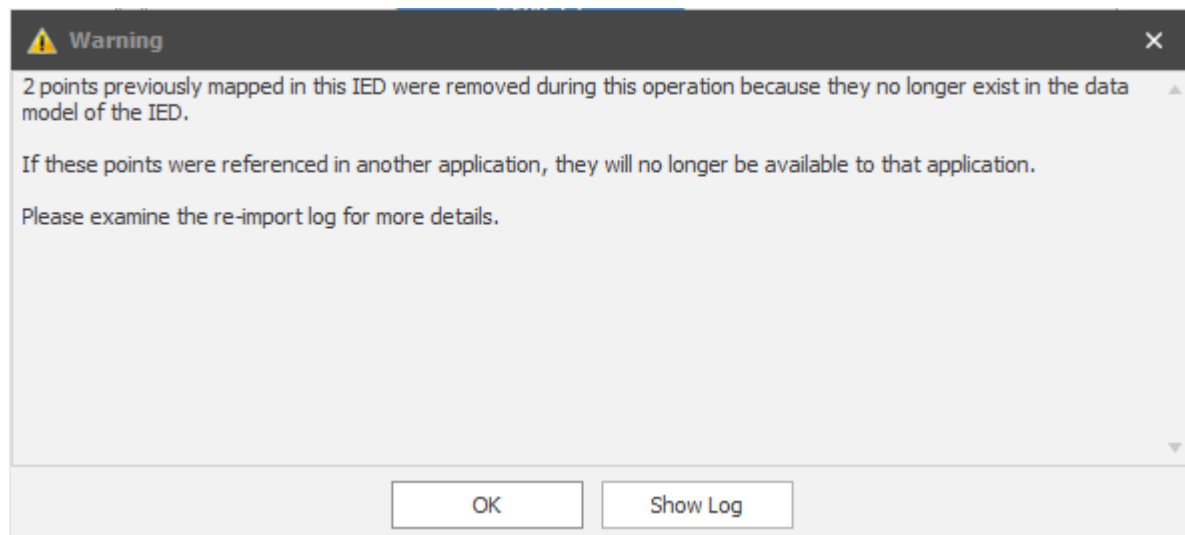
2025-01-15 15:26:32.6310 - WARN: HomeDirectory=S000001,Point ID=250,Point
Name=Vab,Point Reference=Test_2.Meter/.MMXU.1.PPV.phsAB.instCVal.ang.f[MX].0,Point
Type=AnalogInput

2025-01-15 15:26:32.6310 - WARN: HomeDirectory=S000001,Point ID=251,Point
Name=Vab,Point Reference=Test_2.Meter/.MMXU.1.PPV.phsAB.instCVal.mag.f[MX].0,Point
Type=AnalogInput

2025-01-15 15:26:32.6310 - WARN: HomeDirectory=S000001,Point ID=252,Point
Name=Vab,Point Reference=Test_2.Meter/.MMXU.1.PPV.phsAB.range[MX].0,Point
Type=AnalogInput

2025-01-15 15:26:32.6310 - WARN: HomeDirectory=S000001,Point ID=253,Point
Name=Vbc,Point Reference=Test_2.Meter/.MMXU.1.PPV.phsBC.cVal.ang.f[MX].0,Point
Type=AnalogInput
```

8. The re-import operation will inform user if previously mapped points have been removed from the DataModel in the new SCL file; these previously mapped points will no longer be present in the database.



Log example:

```
2025-01-15 11:05:24.7475 - WARN: The following previously mapped point(s) for IED
TESTDEVICE_G01 were removed during the Loader re-import operation because they no
longer exist in the data model of the IED.
```

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If these points were referenced in another application, they will no longer be available to that application.

2025-01-15 11:05:24.7475 - WARN:

=====

2025-01-15 11:05:24.7475 - WARN: HomeDirectory=S000003,Point ID=358,Point Name=TESTDEVICE\_G01TESTLD/GGIO4.AnIn4.instMag.f[MX],Point Reference=,Point Type=AnalogInput

2025-01-15 11:05:24.7475 - WARN: HomeDirectory=S000003,Point ID=359,Point Name=TESTDEVICE\_G01TESTLD/GGIO4.AnIn4.mag.f[MX],Point Reference=,Point Type=AnalogInput

9. If the previous configuration has points not mapped (unselected in the tree), and if any of the unmapped points changed or were deleted in the new SCL file: the re-import log will not indicate this, because there is no impact on the configured MCP. Same applies for new (added) data.
10. DSAS re-import should not be perceived as an SCL compare tool.

## DS Agile Studio - Frequently Asked Questions

**Q: Is all SGConfig functionality included in DS Agile Studio?**

**A: Yes,** except for the D2x Classic Editor. DS Agile Studio includes the D2x Advanced Editor, which provides additional functionality (including sorting, searching, etc).

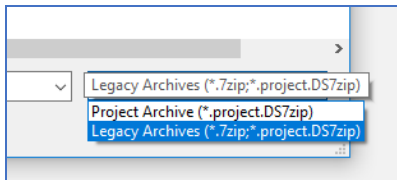
**Q: Can DS Agile Studio configure all D2x products that could be configured in ConfigPro and SGConfig?**

**A: Yes.** This includes legacy and obsolete products, such as D20ME, D20M++, D10, etc.

**Q: Are configurations created in SGConfig, ConfigPro and earlier versions of DS Agile Studio compatible with DS Agile Studio 5.2?**

**A: Yes.**

- Existing archives of configurations created using earlier versions of DS Agile Studio can be restored into DS Agile Studio 5.2.
- Existing configurations created using any version of ConfigPro can be migrated into DS Agile Studio using the Migration Wizard.
- Existing archives of configurations created using any version of SGConfig can be restored into DS Agile Studio. Change the file filter in the bottom right corner of the File Open dialog to view Legacy Archives.



- Existing configurations in an SGConfig 10.x or SGConfig 11.x Repository can be Migrated into DS Agile Studio if version of SGConfig is installed on that computer and has the repository loaded. The repository can be imported using the **"Migrate SGConfig Local Repository"** option under the **File** menu.
- SGConfig Repository archives cannot be imported into DS Agile Studio.

**Q: Can DS Agile Studio be installed on the same computer as SGConfig?**

**A: Yes.**

**Q: Can a configuration built in DS Agile Studio v5.2 be used in earlier versions of software?**

**A: Partially.** The design of DS Agile Studio is slightly different from that of SGConfig. While configurations built in earlier versions of software, configurations built in DS Agile Studio v5.2 have the following restrictions:

- DS Agile Studio v5.2 can be restored in DS Agile Studio v5.x, although any new functionality would obviously not be there.
- DS Agile Studio v5.x configurations cannot be restored in DS Agile Studio v4.x or previous.
- DS Agile Studio configurations cannot be restored in SGConfig.
- DS Agile Studio configurations cannot be restored in ConfigPro.



# Release Notes

## Additional Information

For more detailed information on the DS Agile Studio v5.2 release, see:

- The DS Agile Studio 5.2 Release Notes contained in the DS Agile Studio tool.
- The What's New topic in the DS Agile Studio Online Help.
- Visit GE Vernova Substation Automation technical support website for software updates:  
[http://sc.ge.com/\\*SASTechSupport](http://sc.ge.com/*SASTechSupport)

## Product Support

If you need help with any aspect of your GE Vernova Grid Solutions product, you can:

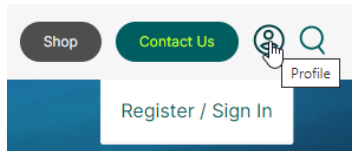
- Access the GE Vernova Grid Solutions Web site
- Search the GE Vernova Technical Support library
- Contact Technical Support

### GE Vernova Grid Solutions Web Site

The GE Vernova Grid Solutions Web site provides fast access to technical information, such as manuals and release notes.

Visit us on the Web at: <https://www.gevernova.com/grid-solutions/>

Subscribe for Product Updates:



### GE Vernova Technical Support Library

This site serves as a document repository for post-sales requests. To get access to the Technical Support Web site, go to:

[http://sc.ge.com/\\*SASTechSupport](http://sc.ge.com/*SASTechSupport)

### Contact Technical Support

For questions or further product support, please contact GE Vernova's Grid Automation support team 24/7 using:

Region	E-mail	Telephone
Global Contact Centre	<a href="mailto:GA.support@GEVernova.com">GA.support@GEVernova.com</a>	+44 1785 250070
Central, East Asia, Pacific	<a href="mailto:GA.supportCEAP@GEVernova.com">GA.supportCEAP@GEVernova.com</a>	+65 6749 0777
India	<a href="mailto:GA.supportIND@GEVernova.com">GA.supportIND@GEVernova.com</a>	No Phone Line
Middle East, North Africa, Turkey	<a href="mailto:GA.supportMENAT@GEVernova.com">GA.supportMENAT@GEVernova.com</a>	+971 4 375 6950
Europe, Russia, CIS, Sub-Saharan Africa	ERCIS: <a href="mailto:GA.supportERCIS@GEVernova.com">GA.supportERCIS@GEVernova.com</a> France: <a href="mailto:SAM_Aftersales@GEVernova.com">SAM_Aftersales@GEVernova.com</a> Poland: <a href="mailto:support.PLS@GEVernova.com">support.PLS@GEVernova.com</a> UK: <a href="mailto:support.AGS@GEVernova.com">support.AGS@GEVernova.com</a>	+34 94 4858854
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# Release Notes

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## Document Revision History

Version	Revision	Date	Author	Change Description
5.20	0	May 30, 2025	D. Morris	Initial Release for DSAS v5.2
5.20	1	June 3, 2025	D. Morris	Removed duplicate issue
5.20	2	June 17, 2025	D. Morris	Corrected released DSAS v5.2 build number, MD5, and SHA256