Gridscale X Dynamic Security Assessment

Documentation

General

Value Proposition	Gridscale X Dynamic Security Assessment is a powerful and convenient solution, tailored for the needs of operation and planning engineers to enable extensive dynamic stability analysis and significantly reduce the workload on dynamic assessment. DSA creates situational awareness and utilizes one model from planning to operation. Gridscale X Dynamic Security Assessment provides easy and intuitive model-based assessment of different scenarios and contingencies and enables operators to gain situational awareness regarding power system dynamic and enables planning engineers to deal with massive amount of dynamic analysis and delivers assessment results intuitively presented and easy to understand.

Delivery

	Siemens makes software available to customers via electronic download. All components will be provided via JFrog repository of Siemens (https://gridsoftware.jfrog.io). Access credentials are provided by mail to the appointed contact details by customer.
	Version availability: Gridscale X Dynamic Security Assessment is exclusively provided in its current version, as determined by the date of delivery.

Description & functionalities

Functionalities	Gridscale X Dynamic Security Assessment offers a variety of capabilities:

- Snapshot Import (SI)
- Power Flow (PF)
- Contingency Analysis (CA)
- Transient Stability Analysis (TSA)
- Voltage Stability Analysis (VSA)
- Critical Clearing Time (CCT)
- Model based Inertia Assessment (MIA)
- Small Signal Stability Analysis (SSSA)
- Dynamic Data Update (DDU)
- Remedial Action Analysis (RAA)

Further Details can be found on the Gridscale X Dynamic Security Assessment Homepage.

Restrictions	You acknowledge that Gridscale X Dynamic Security Assessment is a simulation software program. The simulation results are limited to input data of the network equipment on the onsite and to the simulation algorithm on the other site. The algorithms have been created by Siemens based on experience. However, the data or other information provided by the customer and generated results based on such data may not fully correspond to the real-world behaviour. The interpretation, implementation and utilization of results is the sole responsibility of the Customer. Siemens does not assume any liability, warranty, or guarantee for the feasibility or usability of results, nor for actions or omissions based on these.

Cybersecurity and maintenance

Certificates	Cybersecurity certificates like ISO 27001 can be found on Siemens Grid Software's website (https://www.siemens.com/global/en/general/system-certificates/si-gsw.html). Certificates can also be obtained upon request.
Securities Advisories	Siemens investigates reports of security issues and publishes Security Advisories for validated security vulnerabilities that directly involve Siemens products and require applying an update, performing an upgrade, or other customer action. As part of the ongoing effort to help managing security risks and help keep systems protected, Siemens discloses the required information necessary to assess the impact of a security vulnerability under www.siemens.com/cert.
Maintenance	The maintenance services for Gridscale X Dynamic Security Assessment are inherently integrated and applicable Terms and Conditions for maintenance are referred to in the Order. Siemens does only maintain the latest available versions of Gridscale X Dynamic Security Assessment.

Entitlement Metrics and Limitations

License Type	Gridscale X Dynamic Security Assessment comes with a server based, on-premises Single license.

License Term	Gridscale X Dynamic Security Assessment software is available through the following licensing models:
	
	Term/Subscription License
	    o Time-limited usage rights without auto-renewal
	    o Time-limited usage rights with auto-renewal
	
	The specific License Terms are explicitly detailed in the Order.

Software Type	By default, Gridscale X Dynamic Security Assessment falls under: ☒ Other Software Types ☐ Engineering Software The software is generally classified as "Other Software Types" unless explicitly specified otherwise in the **Order**. Any deviation from this default classification (i.e., designation as Engineering Software) must be clearly stated in the **Order**.

Third-Party Terms	Applicable Third-Party Terms are accessible via ReadmeOSS file located in the installation/download folder of the delivery package.
Other Metrics	The geographical usage of the Gridscale X Dynamic Security Assessment is limited to the seat of the Customer.
	The individual license is valid for a certain number of users and is limited to a certain number of application- and computation-servers as well as ordered modules.

Export control regulations

AL	N

ECCN	EAR99