WG Inverters, Controls and Cyber-Security

Content

- **Task group 10: Safety requirements of inverters and inverter driven motors in HVAC/R applications**

- **Task group 11: Cyber-Security**

- **Task group 13: Electronic datasheet for modbus devices**

- **Additional focus topics**

Cyber-Security
DIRECTIVE EU2022/2555 – NIS2

- *NIS2 (Network and Information Security 2) directive came into effect Jan 2023*

- *NIS2 replaces 2016 NIS directive*

- *NIS2 will be transposed into national law within 21 months*

- *NIS2 Directive responds to Europe's increased exposure to cyber threats by improving the public and private sectors' resilience and incident response capacities and the European Union as a whole*

Cyber-Security
DIRECTIVE EU2022/2555 – NIS2

ASERCOM
ASSOCIATION OF EUROPEAN REFRIGERATION
COMPONENT MANUFACTURERS

Scope: Critical essential sectors:

Energy (electricity, oil, gas, district heating, and hydrogen)
Transport (air, rail, water, and road)
Banking, Financial market infrastructures, healthcare
(including labs and research on pharmaceuticals and medical devices),
Drinking water, Wastewater (but only if it is the main activity),
Digital Infrastructures (Telecom, DNS, TLD, data centers, trust services, cloud services)
Digital services (search engines, online markets, social networks),
Space,
Postal and courier services,
Waste management,
Chemicals (production and distribution),
Food (Production, processing, and distribution)
Manufacturing (specifically, but not limited to, medical, computer, and transport equipment)

Feedback from ENISA

Hi Christian, Thanks for contacting us!

But I feel **it is rather soon for precise scope questions or about requirements**. I don't think I can give more information about the scope or the requirements now, especially with respect to your constituents.

The NIS1 and the NIS2 are directives, and every MS will translate them into national security rules. Detailed identification of entities in scope of NIS2 will be done by each individual member state. Typically the larger companies that are in the sectors mentioned in the NIS2 annex.

Also the detailed rules will depend on the EU country you are in. But I should say that the focus of the NIS1 and NIS2 is on resilience of critical services in a number of highly critical sectors. It is not about compliance with very specific special security rules. The NIS Directive authorities mostly take a collaboration approach - and they don't resort to sanctions or compliance checklists. CIIP and resilience of critical infrastructure is more a partnership.

Maybe we should get back to this in Q4 or Q1 of 2024 when we know more about scope and rules?

Thanks!!

Electronic Data Sheets for Modbus-Devices (Server)

STATEMENT

ASERCOM
ASSOCIATION OF EUROPEAN REFRIGERATION COMPONENT MANUFACTURERS

Last update: March 2023

State: Working Draft V0.1.9

**ASERCOM Statement
Electronic Data Sheets (EDS)
for Modbus-Devices (Server)**

The purpose of the Electronic Data Sheet (EDS) is to declare all necessary information of a Modbus server device and its data model to a client in a standardized way. The client with the capability to parse the EDS can automatically use the description.
The file format is JSON (JavaScript Object Notation), which is independent from programming languages. Parser do exist for almost all languages.

Electronic Data Sheets (EDS) for Modbus-Devices (Server)

- *Implementation and tests have started at BITZER, CARRIER and KRIWAN*

- *Plan: ASERCOM to become an secure, independent and neutral content provider for the JSON file of different manufacturers → easy download of different EDS at one IP-address*

- *Manufacturers of Modbus clients to be invited to the working group for further collaboration*

Additional focus topics

- **Effect of PFAS on electronic devices in HVAC/R ?**

- **RE-D and new machinery directive 2026**