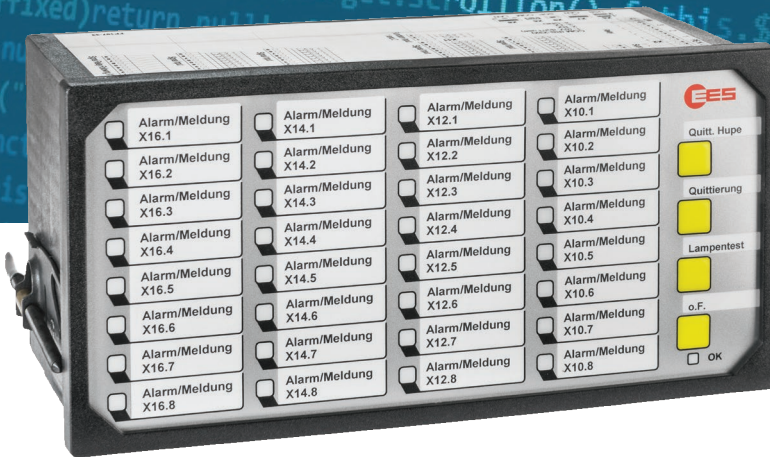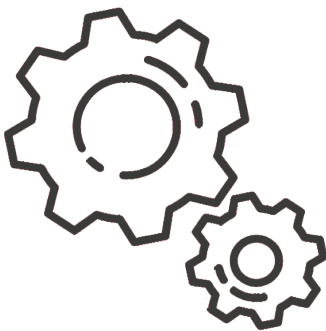# THE USM UNIVERSAL ANNUNCIATOR IS NOW EVEN MORE POWERFUL – THE NEWEST VERSION 4.3!

**Upgrade**

The USM annunciator box is the standard when it comes to processing, mapping and forwarding of collective as well as individual alarms via standardized protocols such as IEC 60870-5-104 or 61850 directly in the substation control level or SCADA level, thus saving wiring effort. On the one hand, states can be recorded galvanically (digital and analog), on the other hand, they can be directly implemented by other systems as IEC or Modbus objects.

The digital annunciator technology from EES meets these requirements even more with the new version 4.3, especially with regard to the further improved IT security, IT integration and the integrated reporting functionalities.

In addition to the delivery of new devices, an upgrade to version 4.3, including all features from a version level 2.x is possible.

# BENEFITS OF THE NEW VERSION

- Basis for further updates/patches in case of vulnerabilities and implementation of future, stricter IT security requirements and for upcoming function and protocol enhancements
- Uniform parameterization interface for all USM/WAP-K devices, thus also consistent status with regard to operation, parameterization and training of employees
- Uniform HMI for existing and new plants avoids operating errors and system failures
- Extension of IT security to the latest state of the art
- Enhanced patch management with rollback option

- Extension of the authorized groups and the possibility to create personalized logins. Users can be locked and deleted
- Password policies with complexity check, expiration period, repeat option
- Event protocol / event recorder for system and fault alarms, also used for IT security related entries
- Syslog Protocol and SNMP V2, V3 Get and Response and traps processing for logging and Message processing/forwarding
- Evidence of activities regarding ISMS repeat audits
- Import of configuration files consisting of parameterizations from other versions and / or device configurations, therefore reducing the commissioning effort

# ADVANCED IT-SECURITY
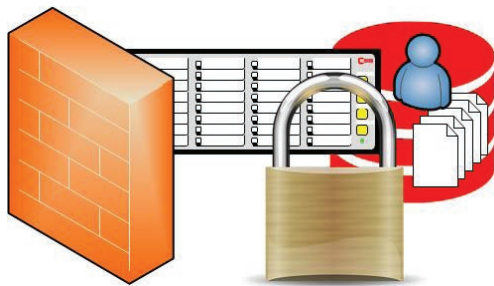


The ISMS requirements were implemented according to the BDEW whitepaper 2018 V.2.0, including the separation of configuration and user interface, hardening of the web application without direct access to configuration files, encryption and signing of parameter data, extended user management with organizational administrator, rights assignment and password guidelines, new patch management, allowing rollback to a previous version. A firewall enables selective port sharing of services, as well as on different interfaces for segmenting the subnets.. Parameterization can by default only be performed via HTTPS. Each USM or WAP-K has a unique initial password on delivery.

# INTEGRATED EVENT RECORDER
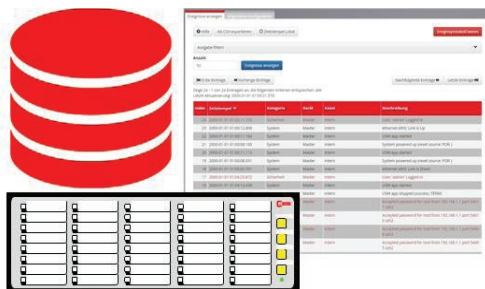


The alarms are now registered and archived as incoming/outgoing in the integrated event recorder. The high performance event recorder can be displayed in the web server and includes the storage of alarms and states. The memory contains 100.000 alarms and is designed as a ring buffer. Downloading the data for further processing in Excel is also possible. Through various filter options, the alarms in focus can be either addressed individually or they can be downloaded. The alarms can also be sent via the syslog protocol to an IT management system, in this case, 2 Syslog servers can be served.

# CONTACT

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