Firmware/Software Release Note

Date: Dec **2023**　　　Distribution: **Public**　　　Reference: **DSAGILE-RN-EN-7.7.6**

DS Agile system V7.7.6 – Dec 2023

DS Agile BCU : C264

Key features

- **AVR with Negative Tap Position**: When used as AVR, C264 is now capable to manage positive (already exists) and negative tap values.
- **Trip GOOSE and TMU**: C264 is now capable to manage TMU and Trip/fast GOOSE at the same time (bit stream 2315).
- **Display on GHMI, role of the AVR with transformers in parallel** : Master, Follower, Slave or Standalone. The information shall be empty if no parallel method (MCC, MF) is configured.

Key Corrections

- NTP synchronization enhancement.
- Enhancement on SV processing when test mode flag is set.

DS Agile GTW

Key features

- **IEC 60870-5-104 Protocol redundancy channels :** When having 2 x redundant gateways (Master & Slave) inc. 2 x T104 protocols channels (Main & Backup) per gateway then when channel is switched from Main to Backup or switched from gateway Master to Slave, there is not duplication of alarms at SCADA level.

DS Agile HMI : aView

Key features

- **aView localization tool refactoring:** to simplify and reduce the engineering labour of DS Agile projects, an optimized "aView localization tool" is proposed in this latest release. This tool can be used to translate the aView user interface (UI) labels into the following languages:
    - Chinese (Traditional)

- English (United States)
- French (France)
- German (Germany)
- Italian (Italy)
- Swedish (Sweden)
- Greek (Greece)
- Polish (Poland)
- Portuguese (Portugal)
- Romanian (Romania)
- Russian (Russia)
- Spanish (Spain)
- Turkish (Turkey)

The localization tool can also be used to customize the default English UI labels to comply with specific customer expectations.

- **New aView Installer:** "Admintool" is replaced by "aView installer" tool. Simpler and intuitive to use, aView installer proposes multiples improvements:
  - installation prerequisites check
  - Ethernet configuration check
  - User admin password hidden by default (with reveal icon)
  - historian folder browser
  - EULA for historian licensing compliance
  - One-click installation with clear action pop-ups
  - Installation result logs and warnings
  - a complete "Clear Application Data Bag" in HAT scenario list
  - a clear and documented process to uninstall Admintool (if required)

Note: in addition of aView server(s) and workstation client(s) installation in a secure environment, the "aView Remote Web HMI Components Package" selection item occurs to install and use the WEB HMI client in a remote hardened machine.

- **DS Agile aView can support a network name up to 15 characters long:** to comply with new TSO telecom department requirements, the limit of "network name" for aView Windows® machines is increased up to 15 characters (previously 8).
  To be compliant both with Windows® NetBIOS and IEC61850 standards, the HMI network name (used in a IEC61850 station bus and a Windows domain) shall have only alphabetics and numeric characters.

Other features

- **Possibility to show more than 5 characters in aView measurement units:** increasing the limit in term of characters size for the SCE attribute "Unit", from 5 to 9 characters for Measurement values (MV).

- **aView UI/UX performance tests:** a batch of tests were made to establish a performance test report on aView user interface. These tests occur to communicate a clear statement to our customers and will serve to evaluate our progress on the others future DS Agile releases.

Vulnerabilities
- **registry keys path to update**
- **Web Application Potentially Vulnerable to Clickjacking**
- **No authentication disabling backdoor should be authorized**
- **IPv6 enabled on several hosts**
- **SITE network vulnerabilities due to older NTP version**
- **CVE-2013-2566 / CVE-2013-2566 - 65821 - SSL RC4 Cipher Suites Supported (Bar Mitzvah)**
- **CVE-2011-1473 / CVE-2011-5094 - SSL/TLS: Renegotiation DoS**
- **CVE-2016-2183: 42873 - SSL Medium Strength Cipher Suites Supported (SWEET32)**
- **Network Time Protocol (NTP) Mode 6 Scanner**
- **FTP Unencrypted Cleartext Login**
- **aView FTP server is allowing cleartext logins over unencrypted connections.**

For questions or further product support, please contact the GE support team using:

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