

# GE Digital Energy

## SNG3 Sensor Network Gateway

### Release Notes

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## Overview

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### Summary

GE Digital Energy releases Firmware versions 48 and 15 for the SNG Sensor Network Gateway. This firmware is specific to the SNG-3-X-X-X models and affects to FMC-T6 Overhead Line Sensor. Both devices belong to Intelligent Line Monitoring System, ILMS. Highlights of this release include the following:

#### SNG-3-X-X-X Sensor Network Gateway:

- SNG-3-X-X-X Main firmware, version 48:
  - Fixed issue related to diagnostic data storage.
- SNG-3-X-X-X DSP firmware, version 15:
  - Radio driver improvement

#### SNG-3-X-X-X firmware compatibilities:

#### WARNING

- Firmware versions of FMC-T6 devices, which are linked to the SNG-3-X-X-X that will be updated to the released firmware, must be upgraded to the following firmware version:
  - Version 22 (Built date: March, 6<sup>th</sup> 2015) or above

#### WARNING

- Firmware upgrading process for the complete ILMS must be performed by following the next steps in the order listed below.

When SNG3-X-X-X firmware versions are:

Main firmware: 46 or below

DSP firmware: 14 or below.

1. Upgrade SNG-3-X-X-X Main firmware to version 48.
  2. Upgrade FMC-T6-X-X-X firmware to version 22.
  3. Check in ILMS server that communication with sensors has been lost before going to the next step.
  4. Upgrade SNG-3-X-X-X DSP firmware to version 15.
- Instructions, that are described in the document [GET-20032-ILMSUpgradingFirmware](#), must be followed to upgrade the firmware

Release Date: May, 12<sup>th</sup> 2015

NOTE: Upgrading from a previous version of the SNG firmware to the new 48-15 firmware can be done remotely via ILMS server application.

**Please contact your local GE sales representative or Customer Service Department (CST) for any questions regarding this upgrade.**

## Release details

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In the following release descriptions, a revision category letter is placed to the left of the description. Refer to the Appendix at the end of this document for a description of the categories displayed.

### SNG-3-X-X-X - Firmware version 48-15 Release Details:

**C**      **Radio driver improvement**

Improvement of radio communications reliability through radio frames modifications.

**E**      **Modification of event detection module.**

Different hysteresis values defined for SNG-3-X-X-X measurement interval.

**M/C**    **Fixed issues related with weather data archive storage.**

Weather station archive storage was shorted than expected.  
FMCT6-X-X-X firmware upgrading is allowed if weather monitor is enabled.

**M**      **Fixed issue related with diagnostic data storage.**

Fixing mismatch between variables that could prevent writing of FMCT6-X-X-X's diagnostic data in the local database under certain conditions.

## Appendix

### Change categories

This document uses the following categories to classify the changes.

**Table 1: Revision categories**

Code	Category	Comments
N	New feature	A separate feature added to the relay. Changes to existing features even if they significantly expand the functionality are not in this category
G	Change	A neutral change that does not bring any new value and is not correcting any known problem
E	Enhancement	Modification of an existing feature bringing extra value to the application
D	Changed, incomplete or false faceplate indications	Changes to, or problems with text messages, LEDs and user pushbuttons
R	Changed, incomplete or false relay records	Changes to, or problems with relay records (oscillography, demand, fault reports, etc.)
C	Protocols and communications	Changes to, or problems with protocols or communication features
M	Metering	Metering out of specification or other metering problems
P	Protection out of specification	Protection operates correctly but does not meet published specifications (example: delayed trip)
U	Unavailability of protection	Protection not available in a self-demonstrating way so that corrective actions could be taken immediately
H	Hidden failure to trip	Protection may not operate when it should
F	False trip	Protection may operate when it should not
B	Unexpected restart	Relay restarts unexpectedly

The revision category letter is placed to the left of the change description.

### Multilin technical support

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