

D550 FIRMWARE - VERSION 1.2.7

NOTE FOR GRID CODE APPLICATIONS

The information provided in this note apply specifically to D550 AVR used with a Grid Code certification.

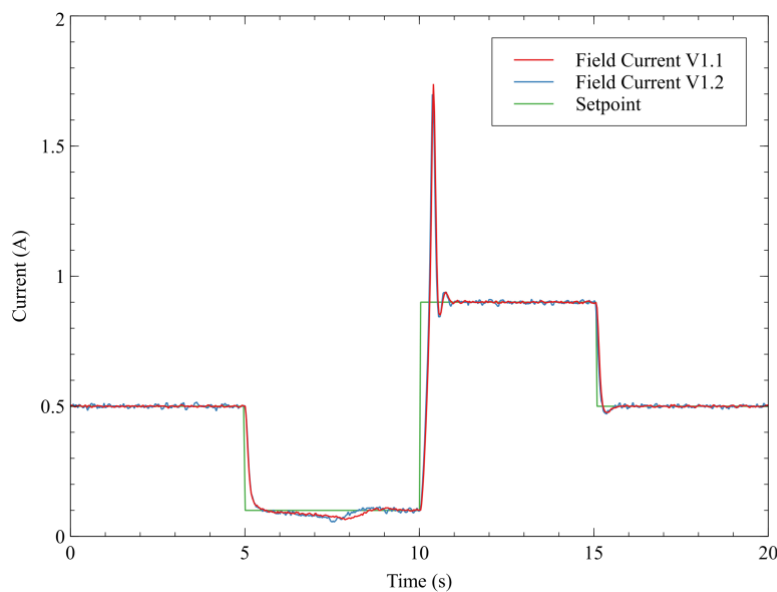
As described in the document *D550 firmware versioning for Grid Code* (provided before certification), Nidec Leroy-Somer has different levels of evolution in the embedded firmware depending on the designated implementation.

In case of Grid Code certification, following the document recommendation, you have to **write in the certificate, AVR embedded firmware version : GC 1.**

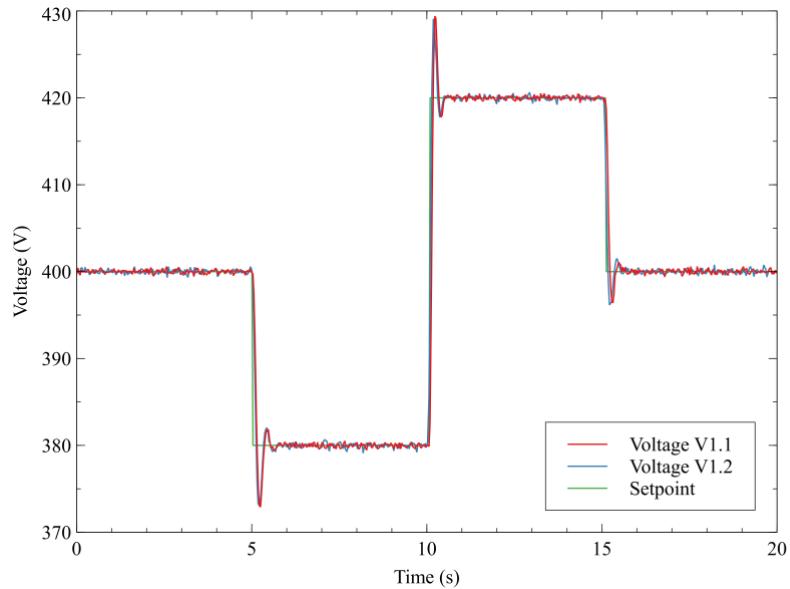
In accordance with this note, the D550 firmware version 1.2.7 has only an impact on the application part and not on the Grid Code part of the Nidec Leroy-Somer software architecture.

The graphics below provide records which compare systems behaviours between the two versions of the firmware.

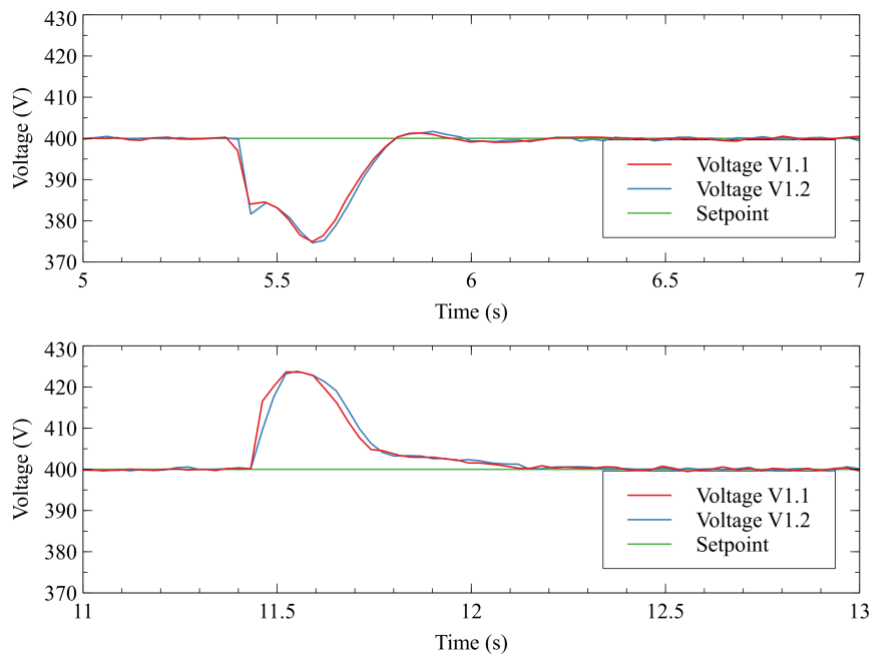
- Excitation current regulation setpoint change steps



- Voltage regulation setpoint change steps



- Voltage regulation transient tests (load impact and rejection)



- Reactive power regulation setpoint change steps.

