

Press Release



NCS NOVA GNSS Simulator Enhancement

New Galileo OS SIS ICD V2.0 is now fully supported by IFEN's
NCS NOVA GNSS simulator

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Poing, Germany – IFEN GmbH, a leading manufacturer of GNSS navigation test products and services, today announced that its NCS NOVA GNSS Simulator now fully supports the simulation of Galileo Open-Service (OS) signal improvements based on the new Galileo OS SIS ICD V2.0.

The NCS NOVA GNSS Simulator is a high-end, powerful and easy to use satellite navigation testing and R&D device. It is fully capable of multi-constellation and multi-frequency simulations for a wide range of GNSS applications. The NCS NOVA GNSS Simulator is one of the leading solutions on the market providing multiple GNSS frequencies in one box.

A new key enhancement to the NCS NOVA GNSS Simulator is comprehensive support of new Galileo OS signal message improvements on E1B. By enabling real-time simulation of the Galileo OS message improvements, the NCS NOVA GNSS Simulator expands a user's Galileo signal capability.

The NCS NOVA GNSS Simulator will in future also fully support the new Galileo E1B OS-Navigation Message Authentication (OS-NMA) and Galileo E6B High Accuracy Service (HAS) capabilities.

The GNSS simulator enhancements are developed through ESA's 'Navigation Innovation and Support Programme' (NAIVSP) Element 2, within the project 'STX2G'.

"Through a simple software update, NCS NOVA GNSS Simulator customers can automatically generate the new Galileo signal capabilities", said Dr. Günter Heinrichs, Head of Client Solutions at IFEN. "Adding Galileo OS signal improvement support to our NCS NOVA GNSS Simulator comes at the perfect time given the recent release of the Galileo OS SIS ICD V2.0 specification."



About IFEN

IFEN is a leading provider of GNSS navigation products and services. IFEN's technology portfolio includes GNSS RF-signal Simulators, GNSS Software Receivers, simulation and data processing tools. IFEN's out-standing satellite navigation expertise is offered to customers for services including GNSS system studies, research and development of navigation and integrity algorithms, design and development of GNSS software and hardware up to engineering of turnkey facilities and systems.

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