



GALILEO SERVICE NOTICE #20

SERVICE NOTICE TO GALILEO USERS (SNGU): 2025002

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*** GENERAL MESSAGE TO ALL GALILEO USERS ***

GALILEO OPEN SERVICE NAVIGATION MESSAGE AUTHENTICATION (OSNMA) – INITIAL SERVICE DECLARATION

On 24/07/2025, 07:00 UTC, the Galileo Open Service Navigation Message Authentication (OSNMA) Public Observation test phase has ended, and Galileo OSNMA Initial Service phase has been declared. Galileo OSNMA status (NMA Status flag) has switched from “Test” to “Operational”.

Galileo OSNMA is an open-access and free-of-charge service based on the provision of cryptographic data by the Galileo E1 signal (E1- B, data component). It allows authenticating Galileo broadcast navigation data, confirming that it comes from the Galileo system and not from another source, and thus increasing the capability of detecting spoofing events.

The OSNMA service scope, including its service commitments, is specified in the [OSNMA Service Definition Document \(SDD\)](#). The OSNMA message specification is defined in the [OSNMA Signal-In-Space Interface Control Document \(OSNMA SIS ICD\)](#). To guarantee the end-to-end data authentication process, OSNMA service relies on the implementation of a receiver logic as specified in the [OSNMA Receiver Guidelines](#). The way to access the cryptographic material needed to process the OSNMA data is described in the [Internet Data Distribution Interface Control Document \(OSNMA IDD ICD\)](#). All these documents are available now on the [European GNSS Service Centre \(GSC\) website](#).

