



GALILEO SERVICE NOTICE #05

SERVICE NOTICE TO GALILEO USERS (SNGU): 2021001

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

UNAVAILABILITY OF THE GALILEO AUXILIARY SATELLITES GSAT0201 AND GSAT0202

On 30 November 2020, flags were removed from GSAT0201 and GSAT0202 satellites, making these satellites available for positioning as auxiliary satellites. Following the removal of these flags, the Galileo Programme set up an observation period to collect user feedback and experience with the use of these satellites.

Data collected during this period confirmed that their ranging accuracy was comparable to that of the other satellites in the constellation and also demonstrated their high availability. As a result, for the vast majority of users, the introduction of these satellites in the position computation led to a global improvement in terms of positioning geometry and service availability. However, transient side effects of the entry into service of the L3 satellites have been reported on some commercial receivers already deployed in the field, which are used in several application domains and have difficulties coping with the higher orbital dynamics of these satellites.

As the experience of all our users is our highest priority, the Programme has decided to temporarily flag GSAT0201 and GSAT0202 as unhealthy while a solution is found with the relevant parties in the shortest possible timeframe.

It is underlined that this has no impact on the capability of Galileo to meet the minimum performance levels defined in the [Galileo OS Service Definition Document](#).