

EUROPEAN SPACE WEEK

#EUSpaceWeek

ONLINE EDITION

Integrity service complementing EGNSS High Accuracy

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European
Global Navigation
Satellite Systems
Agency



Under the auspices of:



EU Space Programme:



Copernicus

EGNOS



Integrity complementing EGNSS High Accuracy



The European Commission is defining the long-term evolution of the EGNSS programmes (Galileo and EGNOS) including new services, concepts for new services or uses/applications.

Autonomous transportation (such as autonomous cars, ships or trains) is the future of the transport industry and will revolutionise the landscape of vehicle, vessel or train design and operations. Increasing levels of automation will require operations to be at least as safe as the existing ones.

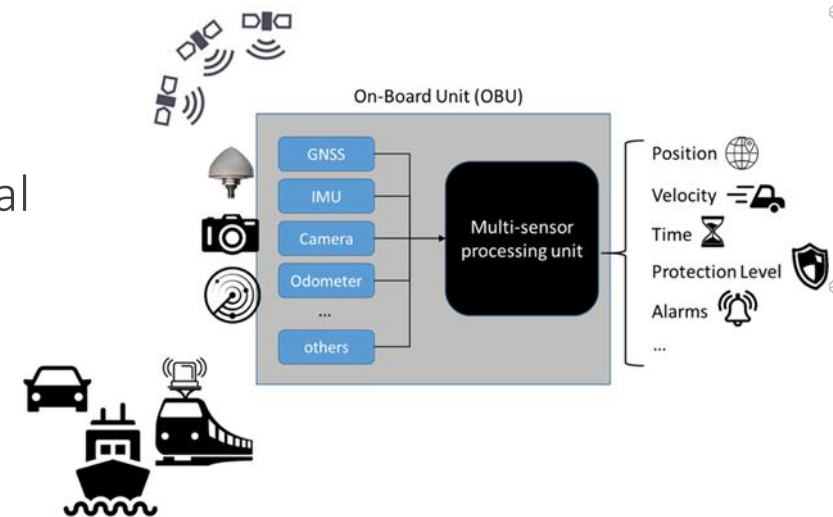
The objective of the study is to analyse under which conditions an **integrity service** complementing **EGNSS high accuracy** would be beneficial for safety-relevant applications such as level 5 autonomous driving in the road domain in the **2030+ timeframe** without disrupting the current business models of established service providers.

The present study will be fully financed by the European Commission (EC) under the H2020 framework programme for research and innovation, within the budget allocated to the evolution of EGNOS mission.

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- ❑ The main tasks of the project(s) will be:
 - To develop an appropriate integrity concept focused on level 5 autonomous driving in the road sector.
 - To define a dedicated integrity service that shall fulfil the user needs in the 2025-2035 timeframe, analyse the success criteria of the new service and define the concrete steps for the service implementation.
- ❑ The received proposals are being evaluated.
- ❑ Up to two projects will (tentatively) start in Q2-2020.
- ❑ Duration of the project(s) will be maximum 15 months.
- ❑ The European GNSS Agency (GSA) will be in charge of the technical supervision of the study on behalf of the EC



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- The contractor shall iterate with a panel of experts to validate the main outcomes:
- the consolidation and validation of the user requirements;
 - the validation of the integrity concept and the definition of the test campaign;
 - the validation of the service definition;
 - the provision of inputs (e.g. potential recurring and implementation costs, rationalisation savings, expected market penetration, conditions to adopt the service) to determine the decision criteria and its validation;
 - the provision of inputs (e.g. the most critical activities and their timeline, the key actors and their roles) for definition of the roadmap;

**Results must be
validated by stakeholders**



Would you volunteer?

Linking space to user needs



How to get in touch:



European
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www.GSA.europa.eu



EGNOS-portal.eu



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