



M E N T O R E

EGNOS and Galileo for Regulated Tracking & Tracing services



MENTORE (iMplemENTation of GNSS tracking & tracing Technologies FOR Eu regulated domains)

implements regulated tracking & tracing services for:

- **Dangerous goods and nuclear transports**
- **City logistics**
- **Regulated fleets**
- **Intermodal freight transport**

Key feature is the provision of services, based on guaranteed positioning and exploiting the value of the EGNOS integrity for the professional transport markets.

MENTORE supports the Commission's "**GREEN PAPER on Satellite Navigation Applications**", for the use of EGNOS as forerunner of Galileo.

MENTORE

The role of Regulations

The European Union has already established a number of regulations requiring precise, reliable and up to date knowledge of geographic position. In the near future, present policies may evolve towards new regulations. These regulations take advantage of satellite navigation applications, commonly regrouped under the term "Tracking & Tracing", as a tool to localise and remotely monitor assets and persons. The Commission has recently presented a "Green Paper on Satellite Navigation Applications", defining a framework for satellite applications in Regulated "Tracking and Tracing" domains. With the advent of EGNOS and Galileo, "Tracking & Tracing" applications and services are expected to develop rapidly.

What is MENTORE?

MENTORE (iMplemENTation of GNSS tracking & tracing Technologies FOR Eu regulated domains) is a two-year project promoted by the European GNSS Supervisory Authority (GSA) through funds from the 6th Framework Programme. Capitalising on the results of previous European research, MENTORE analyses the technologies, service platforms, market scenarios and the service provision schemes of EGNOS/Galileo-based tracking & tracing regulated Services.

MENTORE Pilot Services

MENTORE implements and operates 5 real-life Pilot Service Demonstrations in various application domains: transport, freights and goods, animals and persons.

The regulated services are driven by commercial and public interest requirements.

Radioactive Transport

Regulated control of fissile material transport ensures the protection of the public and the environment.

The need to guarantee the information related to position, traveling times and routes, is a must which can only be achieved with the signal integrity provided by EGNOS/Galileo.

eCustoms

Traceability & monitoring of containers and cargo are key elements for the intelligent transport logistics. They support the modernisation of Customs Code and implementation of eCustoms policies.

Present tracking & tracing systems are based on GPS. EGNOS enhances the performances and prepares the market for Galileo, which will provide new services, such as signal authentication and Public Regulated Service (PRS).

City Logistics

Various cities in Europe are implementing new urban freight distribution models, aimed at reducing congestion and pollution, as in line with the European Commission's Green Paper on Urban Mobility. GPS solutions are used by the operators to plan and optimise goods deliveries. EGNOS, as forerunner of Galileo, provides enhanced accuracy and guaranteed position for higher quality freight transport services.

MENTORE Outcomes

MENTORE supports the Commission's "GREEN PAPER on Satellite Navigation Applications".

The project will give guidelines for the creation of best practices in regulated tracking & tracing services of EGNOS towards Galileo.

MENTORE Partners

MENTORE involves 18 Partners in 6 EU countries and Canada: services providers, industrial groups, telecommunication providers, market operators, transport authorities, regulatory bodies and agencies.

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