

EUROPEAN SPACE WEEK

#EUSpaceWeek

ONLINE EDITION

Galileo Authentication

Organised by:



European
Global Navigation
Satellite Systems
Agency



Under the auspices of:



EU Space Programme:



Copernicus

EGNOS



Antoine Borg

Galileo Authentication

Open Service Authentication (OSNMA)

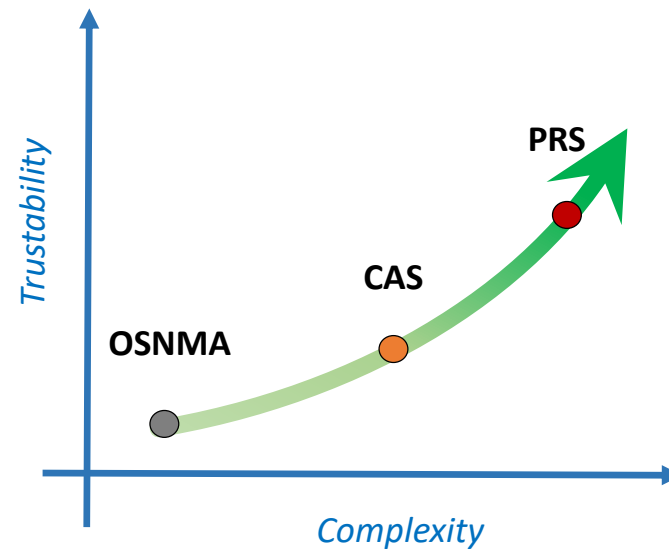
- provides Navigation Message Authentication, which allows the computation of a user's position using authenticated data extracted from the navigation message.

Commercial Authentication Service (CAS)

- complements the OS, providing controlled access and signals authentication (by signal pilot component) function to users.

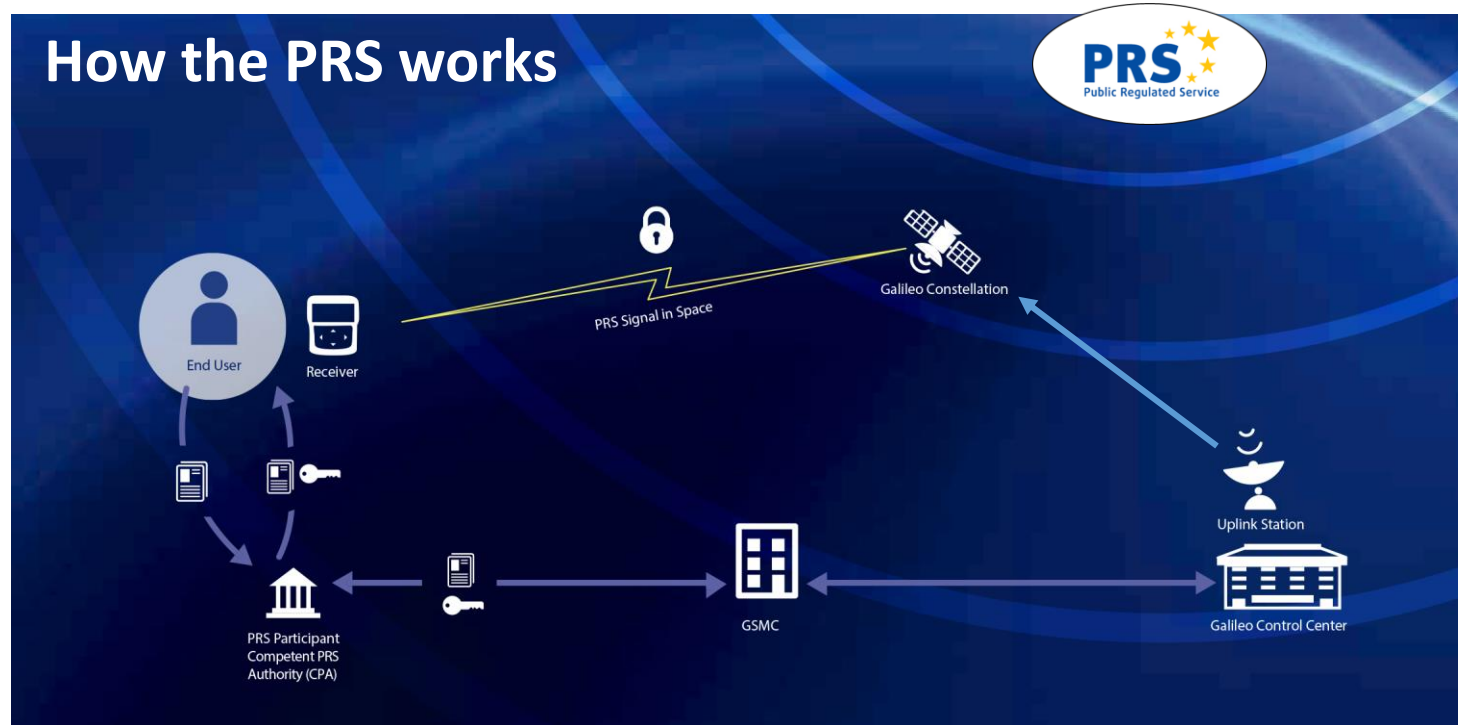
Public Regulated Service (PRS)

- provides the highest level of service continuity and authentication (on signal and message). In cases of malicious interference, PRS increases the likelihood of continuous availability of the Signal-in-Space (robustness).
- implements Governmental access control.



How PRS works

Active contribution from different stakeholders involved in PRS is required to ensure delivery of the Service to authorized users



The Galileo Security Monitoring Centre (GSMC), monitors and takes action regarding security threats, security alerts and the operational status of the Galileo system's components.

Trustable applications in Maritime segment

Trustable applications provide increased performance compared with standard positioning service, in the aspect of guaranteed continuity and reliable position and timing information (according to Galileo Service SDD), are required to strengthen the strategic and critical systems of society (e.g. *border protection* or *harbor infrastructure*). The applications are accessible upon prior authorization by the relevant authority and, depending on User Requirements, could be served by any of the Galileo services that provide Authentication (OSNMA, CAS or PRS).

OSNMA

CAS

PRS

Linking space to user needs



How to get in touch:



European
Global Navigation
Satellite Systems
Agency

www.GSA.europa.eu



EGNOS-portal.eu



GSC-europa.eu



UseGalileo.eu



The European GNSS Agency is hiring!

Apply today and help shape the future of satellite navigation!

