

Galileo: Status and Perspectives

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SUMMARY

Galileo is the European Union's global navigation satellite system. Galileo is operational and provides accurate and reliable positioning and timing services which can be used in various areas of application, for example in surveying and civil engineering tools that are more accurate and reliable. Other applications include emergency search and rescue operations, more accurate navigation services for Galileo-enabled smartphones or in car navigation systems, and better time synchronisation for critical infrastructures. Galileo's high level of signal precision is expected to bring added value to emerging technologies, such as automated cars & Artificial Intelligence.

When Galileo reaches its "full operational capability" in 2020, users can rely on all Galileo signals alone and still receive excellent availability and accuracy. New services are being currently launched such as the High Accuracy Service down to centimetre level and the Authentication feature that allows validation of signals and positions.

At the same time Galileo cooperates internationally to ensure compatibility with other satellite navigation systems and the services they provide. This allows users around the world to see a real improvement in existing services, as well as a widening of the range of the range of new and innovative products and services.

Galileo is the first and currently the only non-US satellite navigation system authorised for use in the US. More than 600 million devices worldwide use Galileo and this number is growing every day. You can check whether your device is Galileo-enabled at www.usegalileo.eu