1 Public Abstract

The Time Integrity Service aims to test the capability to deliver a time integrity service to the GNSS users providing integrity information to improve user timing accuracy as well as positioning.

Main purpose of the service are:

- to ensure, through complementary Galileo time integrity, that the accuracy of the time estimated at user level is within certain limits (which can be named “Time protection level”) with respect to a the reference time
- to improve the integrity of GNSS system by providing to the user a confidence level indicator of the timing information and by satellite clock correction application.
- To monitor the status of satellite clocks detecting in real time possible anomalies and generating automatic alerts in case the satellite is considered unusable (which can be named “Time to Alert”)