



The Current State and Prospects of the Positioning & Timing and Navigation System in Ukraine

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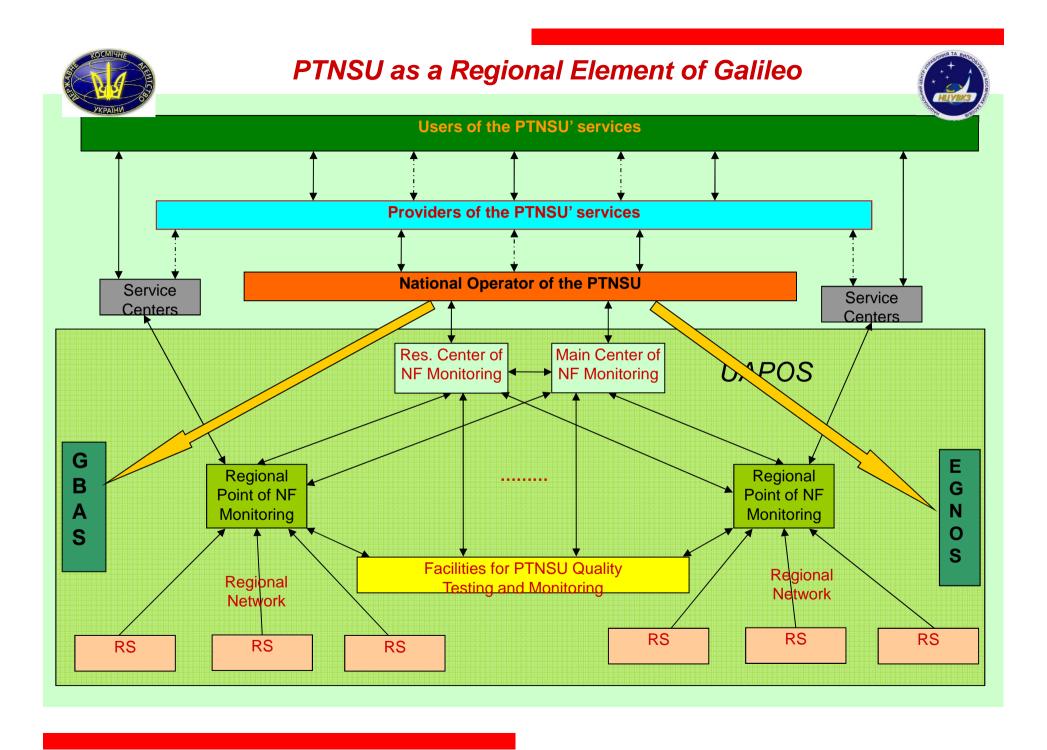




Positioning & Timing and Navigation System of Ukraine

The State Positioning & Timing and Navigation System of Ukraine (PTNSU) is aimed:

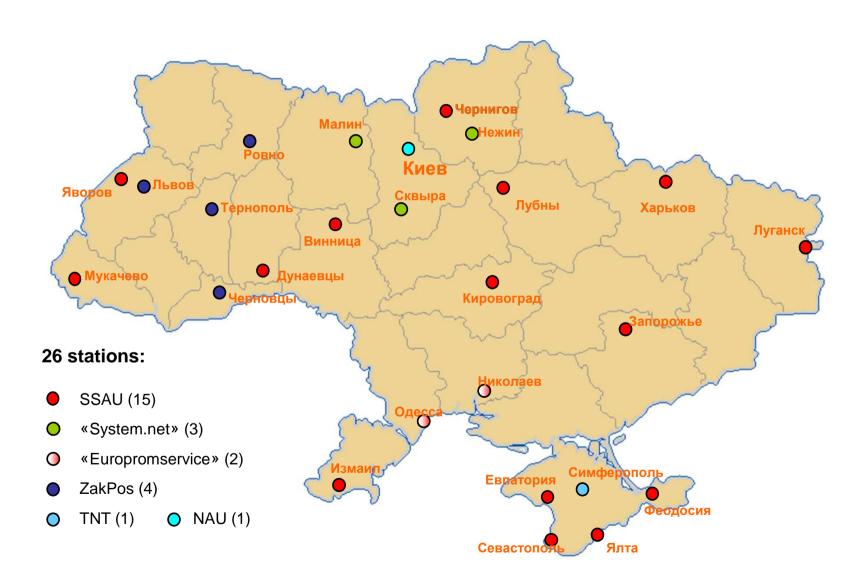
- to monitor the quality of radio-navigation fields of GPS, GLONASS, GALLILEO and other GNSS;
- to serve as an augmentation system for all GNSS and to provide customers with differential corrections;
- to monitor the quality of SBAS and GBAS services which are active in Ukraine.





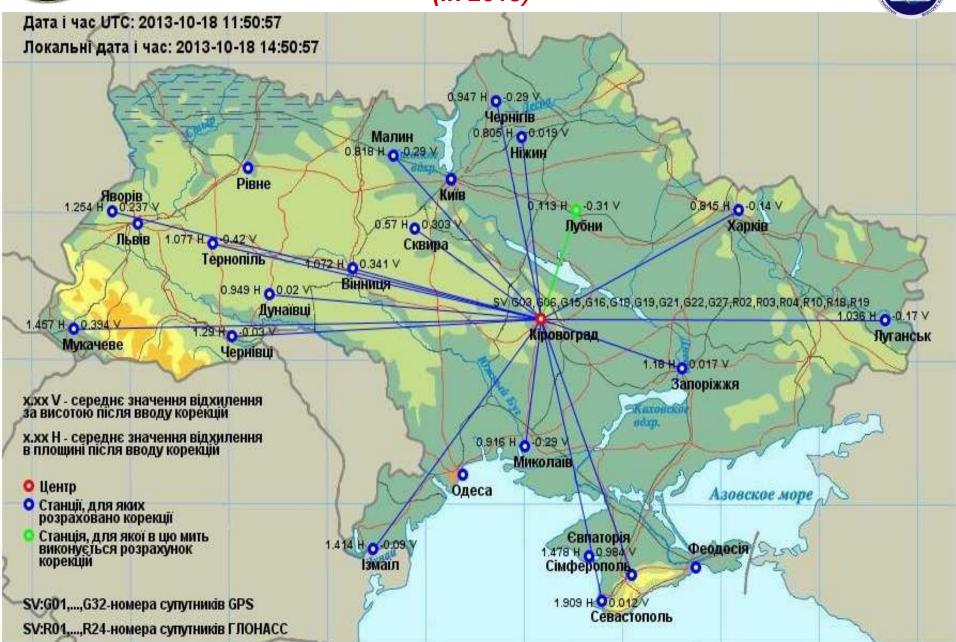
Positioning & Timing and Navigation System of Ukraine (in 2013)







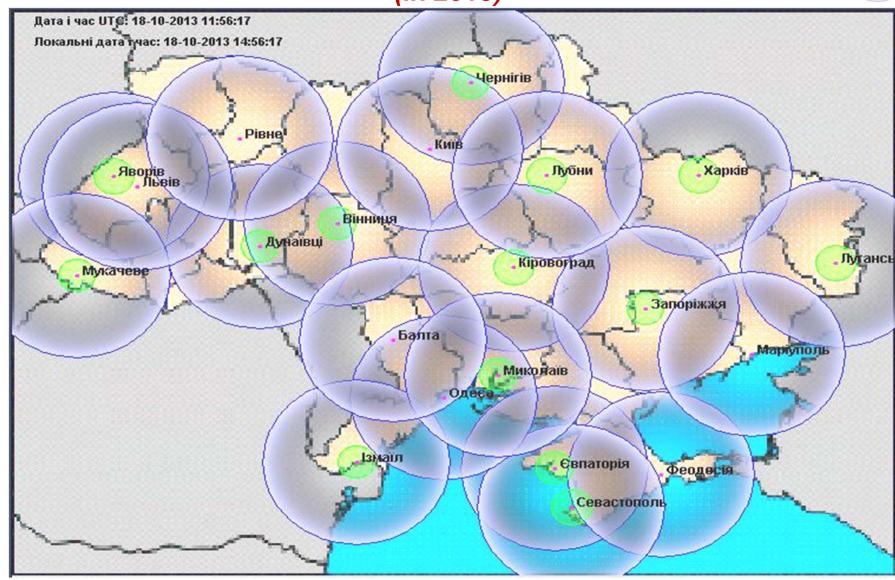
Broadcasting of the wide area differential corrections PTNSU (in 2013)





Broadcasting of PTNSU differential corrections for zones (in 2013)







Positioning & Timing and Navigation System for Transportation

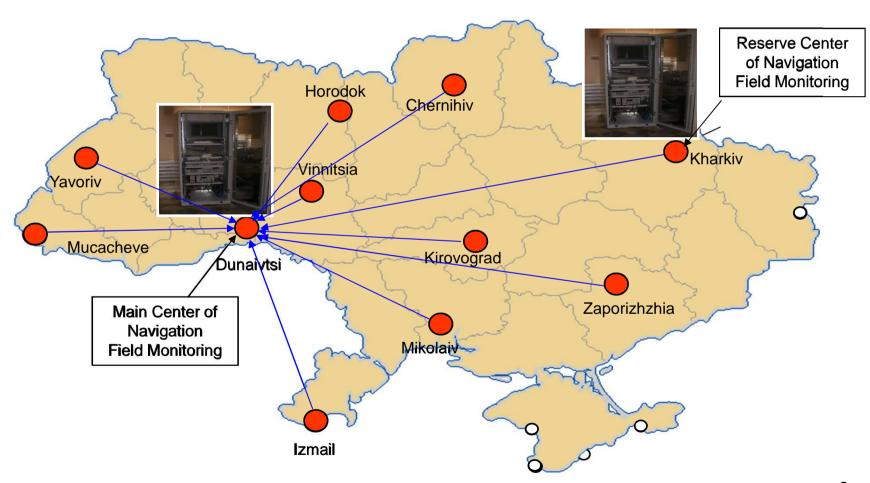








Positioning & Timing and Navigation System of Ukraine (present)





Joined National GNSS Network (JNGN) =



120 GNSS Reference Stations of (SSAU + NASU + System.Solutions) networks





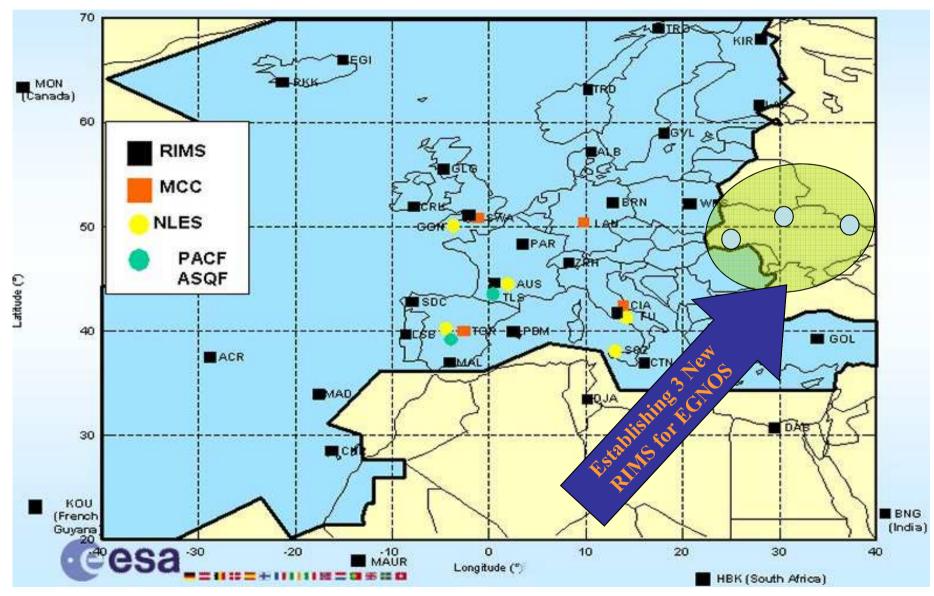


Ukraine's EGNOS and Galileo activities



Our Proposals to Expand EGNOS to Ukraine's territory

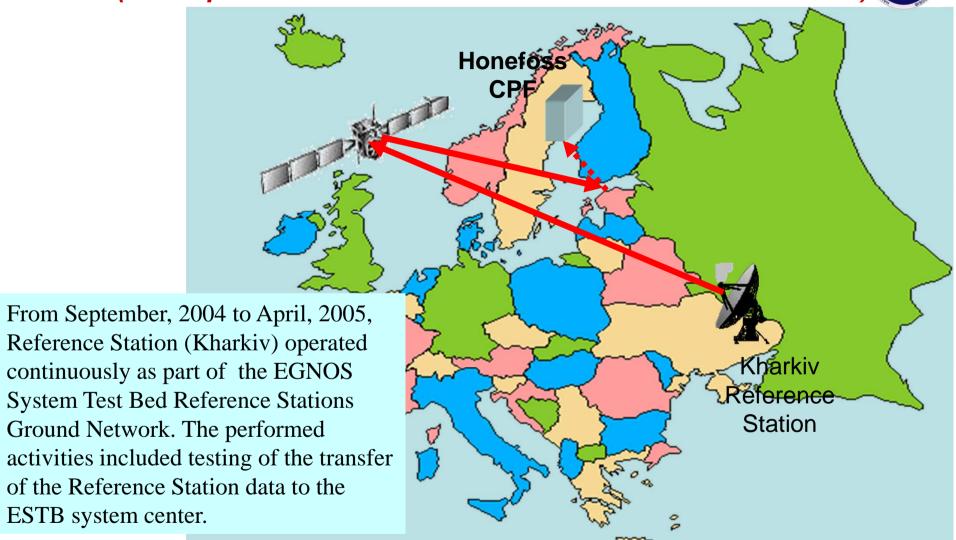






Feasibility test on Joining Ukraine to EGNOS (Participation of Kharkiv RS in EGNOS SYSTEM TEST BED)







Technical Pads of National Space Facilities Control and Test Center for RIMS EGNOS stations deploying







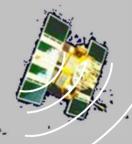
GPS

GALILEO

EGNOS







Regional Navigation and Information System



System of high-precision positioning



System of transportation monitoring

