Upgrade and modernization of the GNSS reference stations of the Federation of BiH- FBIHPOS
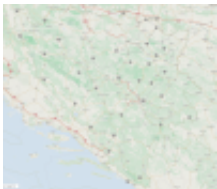
17.10.2019 16:28

Federal Administration for Geodetic and Real Property Affairs has been realized the activities on modernization and upgrade of GNSS reference stations of Federation of BiH through the activities of the Kingdom of Norwegian donor project.

Through the following donor funds was provided:

1. Procurement and installation of a new reference GNSS station;
2. Procurement of 7 individual licenses which allow downloading data from other GNSS reference stations from the region;
3. Inclusion of stations Šamac, Rudo, Kneževo, Lopare and Lončari from SRPOS network;
4. Inclusion of the permanent GNSS station Tuzla in FBIHPOS network (ownership of the Tuzla City)
5. Unification of the SARA station (Sarajevo) and EUREF station (European reference GNSS station) and SRJV station (in cooperation with the Department of Geodesy of the Faculty of Civil Engineering in Sarajevo)
6. Providing necessary software licenses for observation process of GALILEO satellite measurements in the FBIHPOS network;
7. Migration on the new version of the Spider Business Centre software has been completed, from Spider Web into new software X-pos, which has the capability to process Rinex measurements containing and observing GALILEO satellites, in addition to the previous ones GPS and GLONASS;
8. A service for transforming and calculating coordinates from a global system to a state coordinate system for zones 5 and 6 using the new X-pos software is provided and available for users.

Currently, 34 stations are included in the network of permanent GNSS stations of the Federation of BiH - FBIHPOS, 18 are located in the territory of the Federation of BiH, 13 in the territory of Republic of Srpska and 2 in the territory of Croatia.


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```