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and recapitalization of seismic station AKASG

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The seismic station AKASG (PS45) is located at the territory of Ukraine. From 2000 to 2002, the station had been being upgraded according to the CTBTO requirements. From 2003 to 2010, the station was operating within IMS, the most important problem in the station data presence during that period was the radio link system, used at the station. From 2010 to 2011, the new modernization project of the station was being developed, which was implemented from 2013 to 2016. In the course of its implementation, the following works were performed:

- the existed data transferring system from the station elements, which was constructed of both the copper lines and the radio link tools, was replaced into the new one, fiber optic communication lines;
- all the equipment, installed by SAIC, except of the sensors, was replaced into the new ones;
- both the power supply system and the lighting protection system were upgraded.

The station modernization allowed to increase the data presence from the station elements from 86% in 2015 to 99,9% in 2020.

Nowadays, the process of the fiber lines installation at the 8 sites and a new alarm and video surveillance system is being developed.

Promotional text

This annotation is dedicated to the achievements that were obtained during the recapitalization and modernization of the AKASG station in 2013-2020.

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