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Station RN48 Installation by Local Skills: Niger Experiences

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The Comprehensive Nuclear Test Ban Treaty (CTBT) prohibits nuclear explosions by anyone, anywhere: on the Earth's surface, in the atmosphere, underwater and underground by using four key technologies such as radionuclide monitoring. Niger deposited its instrument of ratification of the Comprehensive Nuclear Test Ban Treaty (CTBT) with the Secretary-General of the United Nations on 9 September 2002, bringing the total number of ratifications to 94. Niger is the 14th State Signatory in Africa to ratify the Treaty. Under the terms of the Treaty, Niger is home to two International Monitoring System (IMS) facilities, a primary seismic station PS26 in Torodi and a radionuclide station RN48 in Agadez which is being coupled by SPALAX NEX48 noble gas. The RN48 radionuclide station was installed in December 2018 and certified on 26 August 2019. This poster we will describe the step by step the process of the installation and test phase, the certification process and the operations and maintenance carried out by local experts.

Promotional text

This poster describes the process from the installation of the RN48 radionuclide station to the operation of the station.

E-mail

tassalabawa@yahoo.fr

Oral preference format

in-person

Primary author: Mr MAMANE, Bawa (Haute Autorité Nigérienne à l'Energie Atomique (HANEA))

Co-author: Mr KANE, Issa

Presenter: Mr MAMANE, Bawa (Haute Autorité Nigérienne à l'Energie Atomique (HANEA))

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