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Radionuclide Techniques readiness to support the On-Site Inspection Team Functionality

In preparation for the Integrated Field Exercise (IFE) and in line with the capabilities developed with past field exercises and expert meetings, the On-site Inspection (OSI) Division of the Provisional Technical Secretariat has entered into a new stage of development. Among radionuclides techniques in use at OSI, systems which are operational for gamma radiation monitoring and low resolution energy resolution analysis (GRM/ERAL), for in situ high resolution energy resolution analysis (ERAH) and for environmental sampling (ENV) had been subject to periodic review of systems performance and obsolescence management; regular maintenance, ad-hoc troubleshooting, and tailored upgrades enhanced systems sustainability and standardized operability in the field. Lessons learned during the Directed Exercise in 2023 and the Build-Up Exercise in 2024 (BUE24), as well as recommendations from inspectors participating in the BUE24 and the IFE in 2025 preparatory training in 2024, were implemented: systems robustness was enhanced, procedures were updated and Field Guides developed. Field exercises and training sessions held during 2024 confirmed the operational status and readiness of radionuclide techniques for OSI deployment at the upcoming IFE, in support of the OSI Inspection Team Functionality.

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