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Modular Approach to the New Integrated On-Site Inspections Field Laboratory Layout

In preparation for the Integrated Field Exercise (IFE) and based on lessons learned from the past field exercises, the equipment and implementation section of the On-site Inspection (OSI) Division of the Provisional Technical Secretariat has entered into an advanced stage of OSI support and deployment infrastructure integration. The OSI field laboratory deployment and operational layouts were redesigned between 2023 and 2024 to keep abreast with the current OSI deployment infrastructure enhancements. This poster illustrates a hybrid integration option based on new field laboratory tent modules, the SAUNA laboratory in a flight POD and radionuclide laboratory detection capability deployed in a 20ft container. The hybrid field laboratory configuration was validated during the recent IFE preparatory training in December 2024 and is ready for deployment at the incoming IFE. This layout is an important milestone for the development of the final modular radionuclide laboratory concept, which will be rolled out after the IFE based on IFE lessons learned and follow-up recommendations.

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