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## Tests of a Data Transmission System for On-Site Inspection

In preparation of the next Integrated Field Exercise, and in line with the capabilities developed with past field exercises, action plan project and expert meetings, the section Equipment and Instrumentalization of On-site Inspection division of the PTS has entered into a new stage of development of its telemetry solution. In 2022, the existing data transmission system had been subject to a series of maintenance, upgrade and training that confirmed its potential use for OSI technique and OSI deployment. In 2023, a field test in Judenburg Austria, was organized to validate the configuration and the functionality of the OSI telemetry system. And more recently, on September 2024, a specific field test was performed in the vicinity of the TeST Centre Seibersdorf, Austria, to verify the long distance microwave connection. The paper will expose the field tests results and demonstrate how they show advances in OSI operational capabilities. This represents an important milestone before the actual deployment in next Integrated Field Exercise.

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