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Integrating OSI Data into an Interactive 3D Environment to Aid Inspection Activities

The visualisation of large, disparate geospatial datasets is extremely important during an On Site Inspection (OSI). There is a requirement for inspectors to be able to integrate data gathered from many different techniques and to represent them, in their geographic context, within an appropriate cartographic framework. AWE has begun testing of a commercial software package called GeoVisionary to assess the benefits and challenges of viewing such data in full interactive 3D. This talk presents our results of applying GeoVisionary to OSI activities such as: planning prior to Point of Entry procedures; mission planning and logistics during the OSI; visualisation of treaty-relevant data; and producing briefing materials for all stakeholders. We will show results by using data from the Integrated Field Exercise 2014 in the form of animations produced within the software. We find this type of data integration within an interactive 3D environment to be an excellent tool for inspections and it has a number of other advantages which will be discussed. We suggest that the capabilities of the type and quality provided by GeoVisionary would be of great value for inspectors during an OSI, and recommend that such capabilities be available for future OSI activities.

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