

## Investigating Options to Visualize the Technical Data Generated During an OSI

A large quantity of multi-variate, technical data will be collected during an OSI, and the IT members must be able to see all of that data in its geographic context. Without an integrated and intuitive platform to display such data, important information could be over-looked. Deciding how to display technical data is not a trivial task and will vary extensively from technique to technique. In this talk, we will discuss the challenges inherent in adapting the following four broad data product types for use in a 3D visualisation platform: 1. Visualisation of 2D cross sectional data 2. Visualisation of 3D volumetric data 3. Abstraction and visualisation of complex data (eg Seismic) 4. Display of electromagnetic imagery. The processing requirements for converting each data type into a format which can be visualised will vary, as will the level of abstraction to be applied to the data. We conclude that in all cases, it is possible to present these data in a logical way that adds value by integrating the results into a single representational framework.

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