**Seabed Survey Data Model**

**What is the Seabed Survey Data Model?**

The Seabed Survey Data Model is an ESRI Geodatabase GIS data model capturing:

1. Seabed features, Seafloor/Subsurface geologic hazards features interpreted from offshore analogue and digital site survey, sweep/debris survey and pipeline route survey.
2. Survey navigation data and Survey Keysheet (Project Extent)
3. Database tables of survey records inventory and document management.

**Benefits of the SSDM?**

Three main benefits for individual organisations:

- Provides a template for survey contractors to deliver data to
- The ESRI geodatabase is scalable to the corporate database level
- Consistent presentation and query processes can be performed on the data

**Flow on benefits if an industry standard model in place:**

- Simpler data exchange between companies and/or joint venture partners
- A single data model for survey contractors to deliver data to
- All survey contractors would need to elevate their GIS capabilities in order to deliver seabed survey data to an industry expected standard

**Seabed Survey data now supports increasing range of tasks:**

- Field development planning (deeper water, increasingly complex geology, topography)
- Well design: sub-surface to surface
- Seismic: identification of multiples
- Environmental monitoring
- Operational support (anchor planning)

Previously no industry drive to develop an industry wide delivery standard for seabed survey data. This has:

- Put added pressure on survey contractors
- Increased data management effort for data management teams
- Made it difficult to seamlessly integrate data
- Made it difficult to share data between joint venture partners

**VISION**

“For the industry to have a template/standard for how seabed survey data is delivered to and managed by oil and gas companies”