

### A GIS compatible bin grid data exchange format

The P6 seismic bin grid data exchange standard is spatial in nature as it defines the following parameters for a 3D seismic survey:

- Coordinate Reference System and transformation
- Master grid definition/coverage
- Bin node origin and increments
- Bin node data attributes
- Scale factor of the bin grid
- Nominal bin width
- Full fold definition/coverage

Since the creation of the P6 format in 1998, the critical role of Geographic Information Systems (GIS) in oil and gas companies (O&G) for managing, analysing and mapping geo-information has emerged.

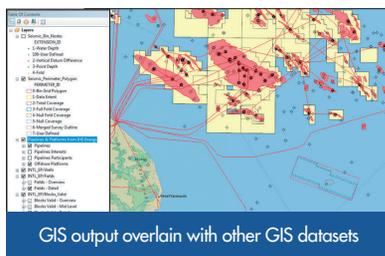
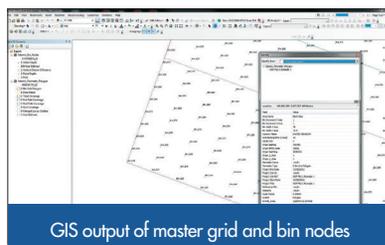
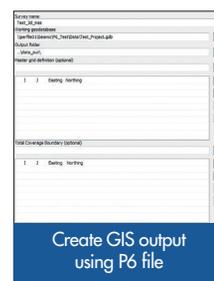
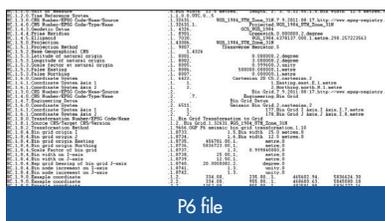
GIS is an integration technology and provides the framework to integrate geo-information of which seismic navigation data is an essential component in the O&G arena.

As a result, the requirement to be able to visualise and use seismic bin grid definitions in GIS has become increasingly important for the following reasons:

- Seismic navigation QC (does the grid sit in the correct geographic location relative to surrounding seismic surveys, wells, permits etc?)
- Better spatial understanding of seismic coverage
- Be able to spatially search seismic bin grids for processing and acquisition reports

With this in mind, the OGP 3D seismic bin grid task force developed a GIS data model for the storage and visualisation of seismic bin grid definitions, that is based on the new P6/11 format.

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#### About OGP

OGP represents the upstream oil & gas industry before international organisations including the International Maritime Organisation, the United Nations Environment Programme (UNEP), Regional Seas Conventions and other groups under the UN umbrella. At the regional level, OGP is the industry representative to the European Commission and Parliament and the OSPAR Commission for the North East Atlantic. Equally important is OGP's role in promulgating best practices, particularly in the areas of health, safety, the environment and social responsibility.