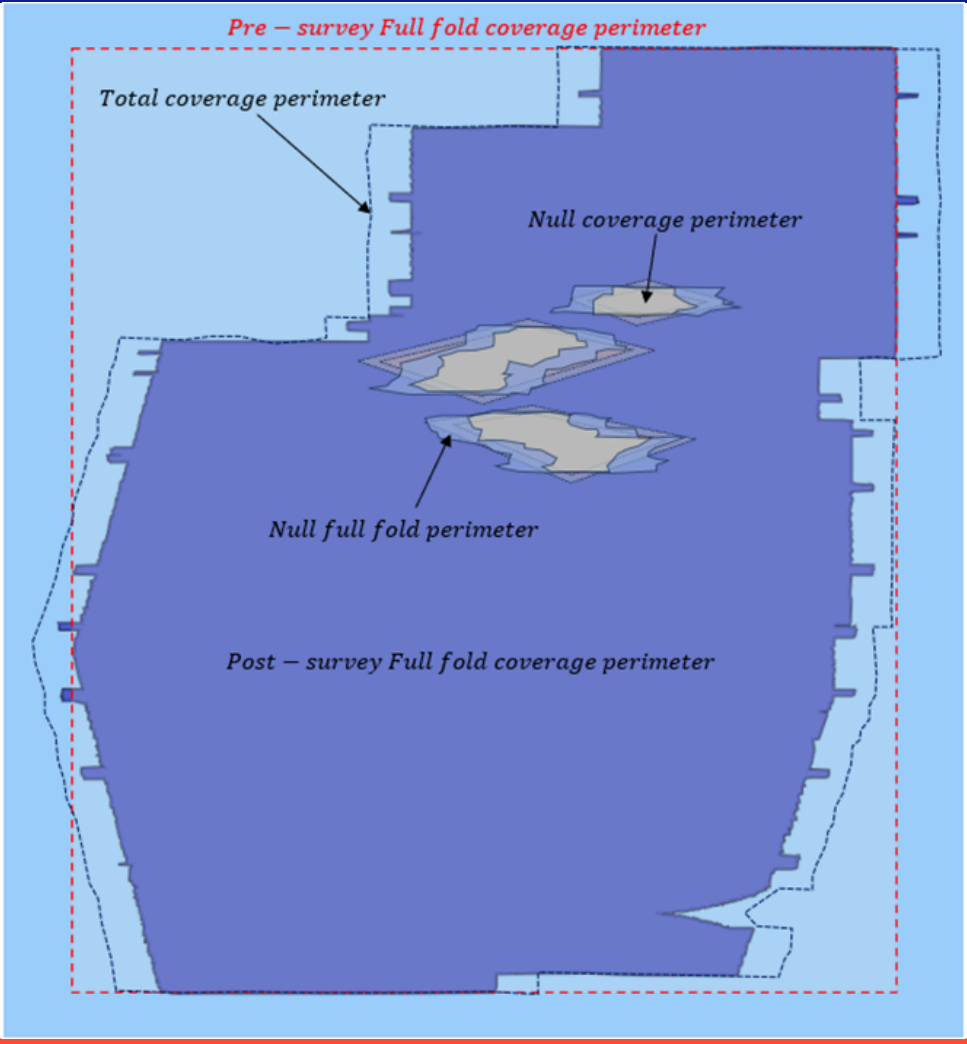
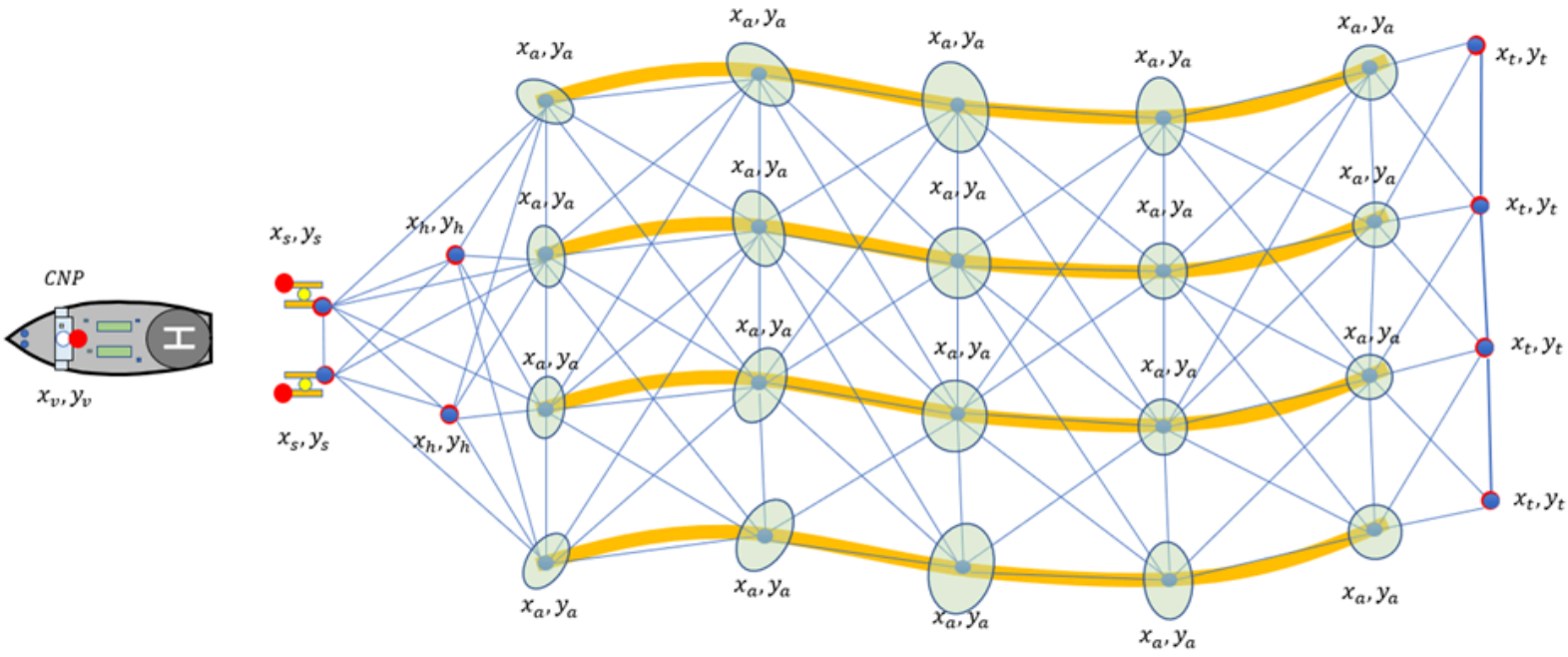
Seismic Data QA/QC

Our workflows and tools are largely automated with respect to error detection which combined with the experience and proficiency of the analyst create a formidable combination that ensures all geo-spatial data relating to your seismic trace data is assigned the appropriate quality indicator and is accompanied by all relevant metadata



Understanding how geo-spatial positioning errors impact the vertical and horizontal resolution of the seismic data demonstrates the importance in the overlap between geophysics and geomatics. Where seismic trace data is contaminated with geo-spatial errors is used in critical business decision it can introduce irreversible problems further along the data life cycle. Our goals with seismic positioning data management is to ensure your geoscientists do not waste time, resources and finances by using unfit data or attempting to fix horizontal and vertical mis-ties.

Using our matured QA/QC workflows (automated and manual) and extensive software applications, we are able to determine the usefulness of the seismic positioning data, to identify potential pitfalls that degrade the seismic trace data. This is an integral step in the upstream data life cycle. The use of legacy seismic trace data is still prominent as it offers value to the geoscience teams.



However, data of older vintages often lacks the attributes and metadata required to easily replicate the precise geographic areas over which it was originally acquired. For decades organisations have published common data exchange formats which the industry is encouraged to adopt. Our tools allow any geo-spatial data to be imported, regardless of whether or not it adheres to a published format. But more importantly, it offers an inventory of encoders that enables the data to be exported to any of the common formats, e.g. IOGP P1/11, UKOOA P1/90, P1/84 SEG-P1, SPS and SEG-Y.

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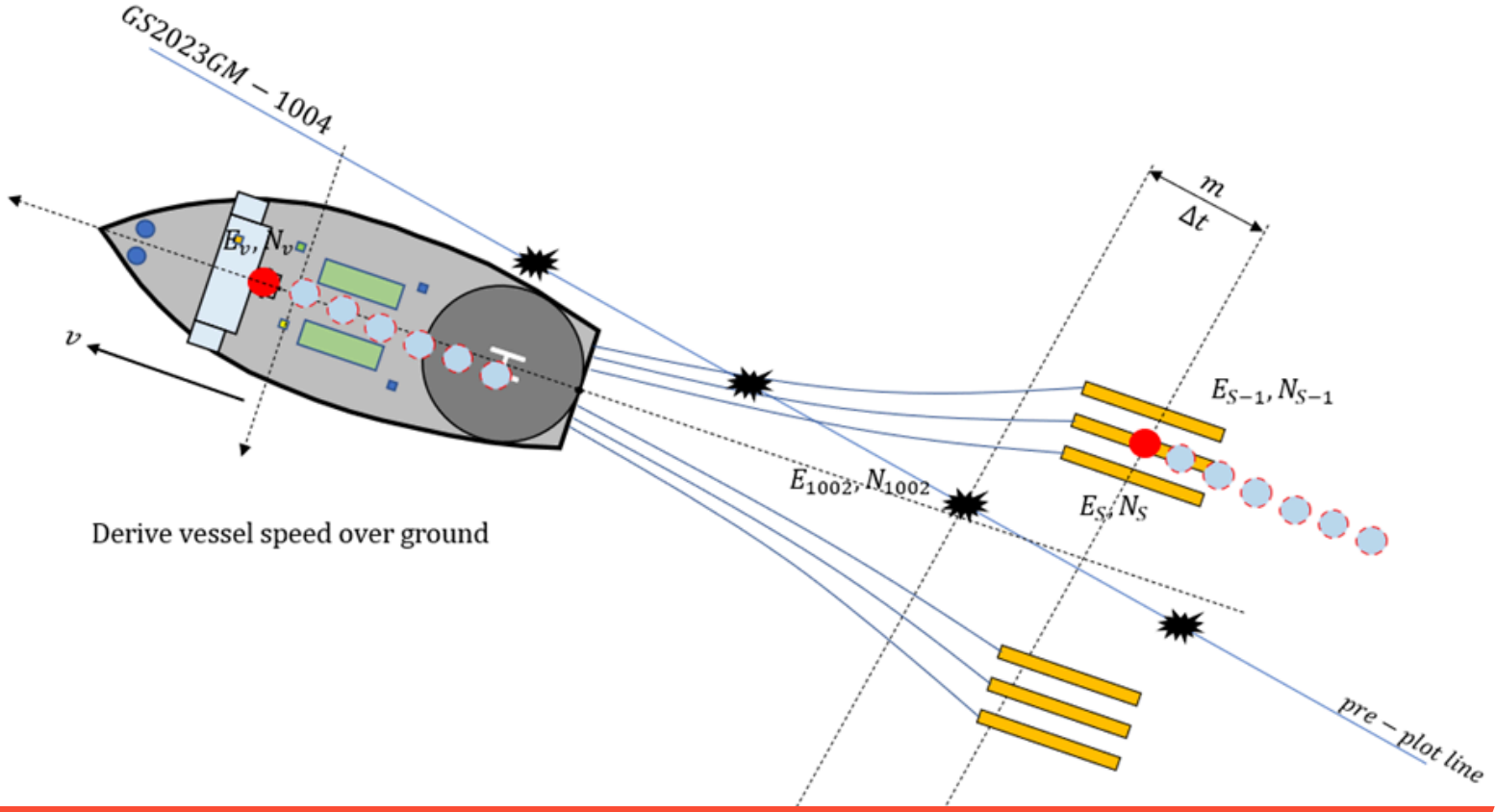
Regardless of whether the positioning data belongs to a seismic 2D survey or a seismic 3D survey the same steps of the QA workflow apply to ensure that any associated errors are minimized by editing or reprocessing. Positioning errors associated with seismic trace data will have ramifications at stages further along the life cycle of the data which it is imperative are found and eliminated



The software functionality offer our data analysts the tools to identify and eliminate positioning errors to improve the integrity of the associated seismic trace data. Horizontal and vertical positioning errors in the seismic data will only propagate into decisions made from this data such as the selection of a proposal well location. By automating the workflows and QA/QC procedures means these services are offered to you in a time and cost effective manner.

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