

## Collection, handling, management and integration of Source Data: *An integrated solution for Digital publication production and Product maintenance*

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### Abstract

ENC's and Paper charts are under continuous change based on information reported to and collected by the Hydrographic Offices. The same may also be said for other products and digital publications.

The importance of utilizing any incoming source data in an integrated solution allowing for the same source to be used for production and maintenance of any products is vital and cost saving for the HO's as well as it improves quality and traceability for the products.

The paper describes a proposed integrated solution for these processes with source collection, centralized as well as off-site/distributed setup, storage, handling management and integration, with the aim for a combined product and publication maintenance:

- Utilization of one source for multiple products
- Maritime Data Collection System - Web based portals (Inspire/BLAST project)
- Registration, administration and processing incoming sources
- Maintenance of products based on source messages
- Creation and maintenance of Nautical Publications derived from source messages
- publication of Digital Nautical publications/booklets
- NtM creation derived from the source messages
- integrated Tracing/Block production
- compilation and publication of NtM booklets with NM's and Tracings/Blocks
- Integrated Hydrographic source handling and management

The Source Message system automates the production line of Digital publications from receipt of data, processing and dispatching of incoming messages up to creation of ready-to-print design files of booklets. The distinguishing feature of the system is that all information used by the misc. products are stored within one common repository. This facilitates automation of the production process thus contributing to data reliability and resource savings.

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