



# MSI Consolidation

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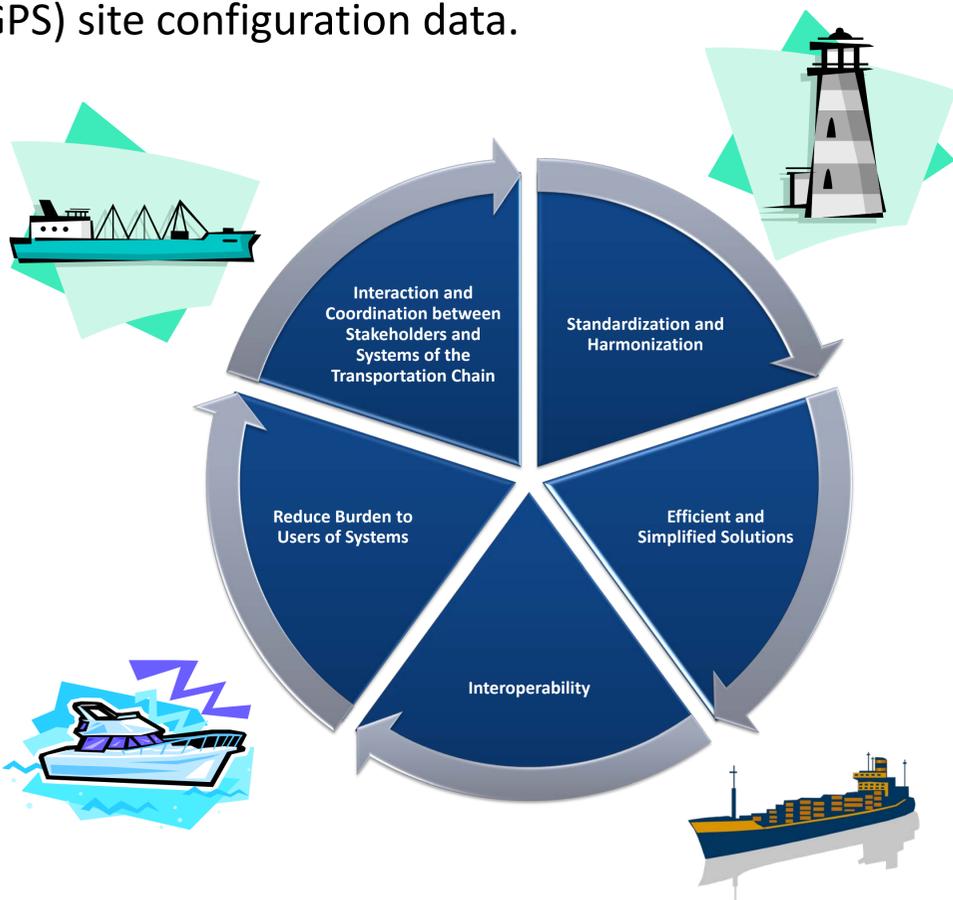
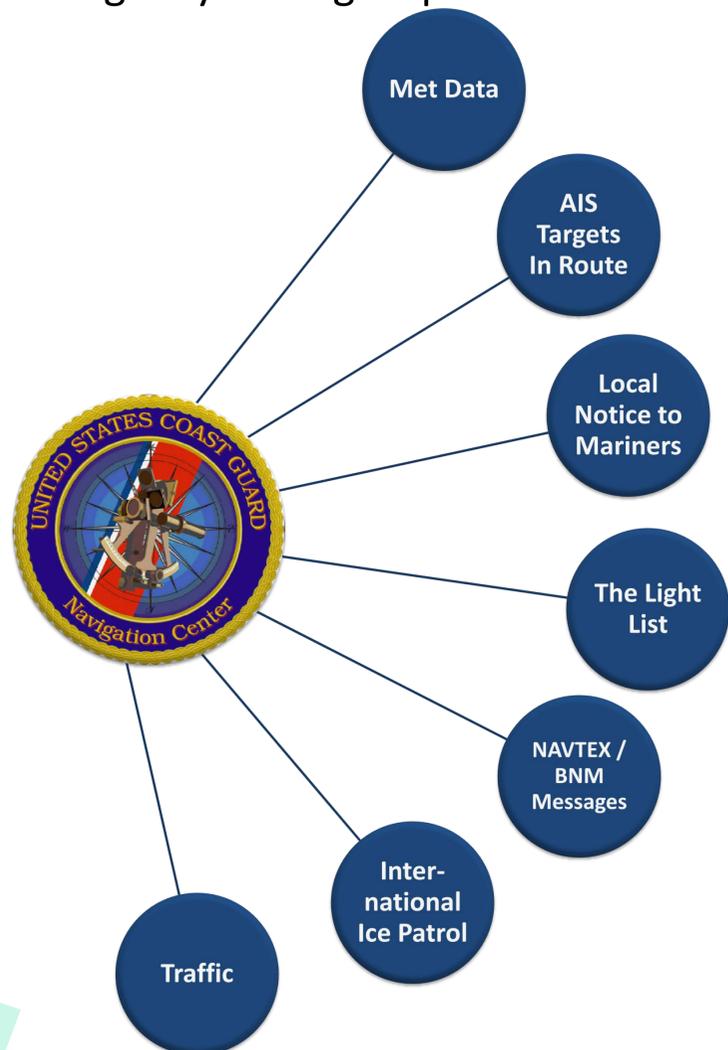
## Abstract

NAVCEN's Maritime Safety Information (MSI) project is a steady-state system designed to capture and disseminate Maritime Safety Information supporting the safety of life at sea by providing critical warnings of hazards to navigation and failure of navigation devices via a centralized MSI data repository.

Optimizing the exchange of MSI with other agencies such as the National Oceanic and Atmospheric Administration and the National Geospatial-Intelligence Agency will be studied as part of this effort through continued participation in the Committee on Marine Transportation, National Ocean Council, and other standing federal interagency work groups.

## Current Project Elements:

- ❖ Broadcast Notice to Mariners (BNM's) – NAVCEN is exploring solutions to centralize and make BNM's available on-line immediately upon issuance.
- ❖ Navigation Telex (NAVTEX) Messages – Consolidating NAVTEX messages will facilitate the coordinated and integrated collection, processing, and dissemination of navigation data.
- ❖ Marine Safety Information Data Service – A pilot project to provide data to the public in a machine readable format as well as legacy formats. Data would include USCG Light Lists, USCG Local Notice to Mariner's (LNM's), Nationwide AIS (NAIS) Iceberg data, NAVTEX Messages, and Differential GPS (DGPS) site configuration data.



## Future Project Elements:

- ❖ Meteorological data – Real-time wind speed and direction
- ❖ Hydrographic data – Tidal and bathymetric data
- ❖ Vessel Traffic Service data – Real-time maritime traffic situations
- ❖ Select AIS data – AIS generated ship data (static and dynamic)