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Intersystem Vessel Traffic Image Exchange Format

Published at IALA Conference Cape Town 2010
Our Webpage: www.openivef.org

IALA Industrial Members
IVEF Working Group
IVEF stands for “Intersystem Vessel Traffic Image Exchange Format”. This is an ongoing standardization effort for the exchange of information between VTS centres.

This information consists of

- Real-time tracking positions
- Static vessel information and
- Voyage related information.

The IVEF Service is a gateway service, as described in the general layout of the common shore-based system architecture under development by the e-Navigation working of the IALA-AISM.

Such a gateway service is specialised in data exchange shore-to-shore. It interfaces to other e-Navigation systems and to external systems of “third parties”, which request, in the case of the IVEF service, relevant data to be forwarded to them or, in the general gateway service case, also provide data needed within the own system.

A “Gateway Service” can interface shore-based systems locally, regionally, and globally.

The data format bases on XML standard.

Goals:

- Standardised Traffic Image Exchange with neighboured vessel traffic services
- Traffic Image provision for other users and authorities

As a result of the IVEF working group an IALA Recommendation will be issued.