Members:

ATLAS MS
A company of the ATLAS ELEKTRONIK Group

HITT
TRAFFIC

JRC Japan Radio Co., Ltd.

KONGSBERG

LOCKHEED MARTIN

Navielektro
Working partnership in Vessel Traffic Systems

OKI
Open up your dreams

SELEX
Sistemi Integrati
Una Società Finmeccanica

SOFRELOG

TRANSAS ®
SETS THE STANDARD

IVEF

IVEF Service

Intersystem **V**essel

Traffic Image

Exchange **F**ormat
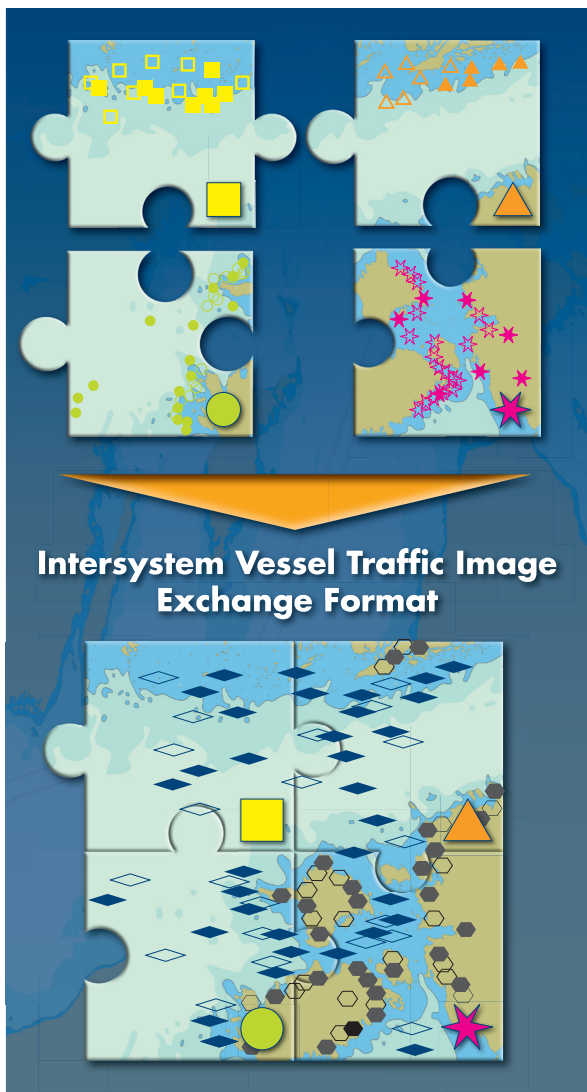
IALA Industrial Members
IVEF Working Group

IALA
AISM

Intersystem Vessel Traffic Image Exchange Format

Goals:

- Standardised Traffic Image Exchange with neighboured vessel traffic services

- Traffic Image provision for other users and authorities

IVEF stands for "Intersystem Vessel Traffic Image Exchange Format". This is an ongoing standardization effort for the exchange of information between VTS centres.
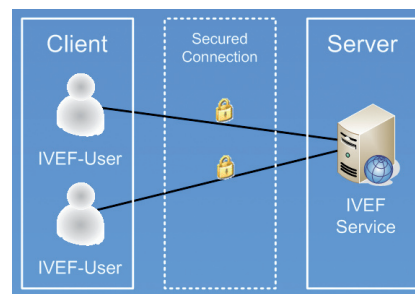
This information consists of

- 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.

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