

Title Abstract: A lay-person's description of e-Navigation

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Abstract:

e-Navigation is based on the same principles of data exchange as used in the apps that run on smart phones. For example, a weather app provides information to a user, this could be called a "Weather Service". This presentation uses this analogy to explain the concept of the maritime services in the context of e-Navigation to help even non-IT-personal to understand the main principles of the IMO, IALA etc. activities for implementation of e-Navigation. It provides an understandable explanation of the main concepts for Maritime Service, Technical Service and Data Models, which are all abstracts concepts used frequently with a fully different understanding.

This weather service satisfies the user's need for information about the weather. Similarly, a Maritime Service, in the context of e-Navigation, satisfies a user need for information concerning vessel navigation and other maritime considerations including safety, efficiency and the protection of the marine environment. Our weather service app has to communicate with a server that runs software that can provide weather information.

The interaction between the app and the server is defined by a technical service specification, which describes the exchange of standardised messages and the language that is used in the message contents. The language is described by a data model.