

IALA'S WORK IN E-NAVIGATION

Connectivity and shore services

Michael Card



e-Navigation origins

The early work of IALA on e-Navigation





Shore services and connectivity

Communications, harmonised data models, positioning





FERNS - The Far East Radionavigation Service

Regional cooperation in electronic services





Vessel Traffic Services

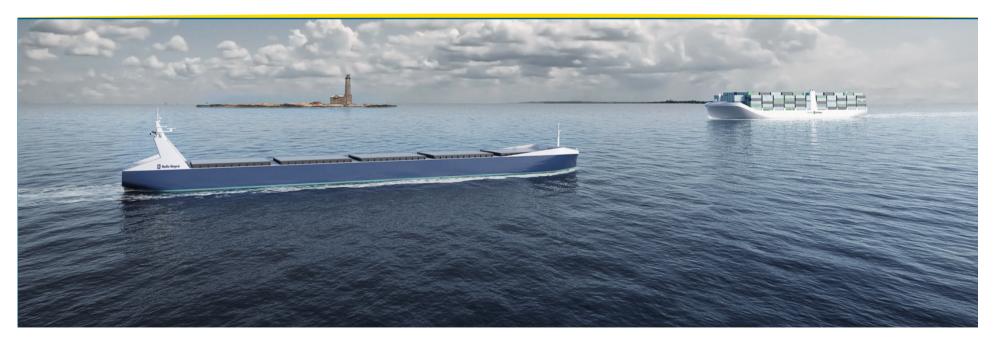
Operational safety and efficiency benefits from e-Navigation development





VTS and autonomous ships

Legal and operational challenges for shore authorities





Publications

Concise Recommendations aimed at managers,
Technical details and examples moved to Guidelines,
Standards (referencing Recommendations) from May 2018





Course over the ground

Strategic Vision, Committees, change of IALA to an IGO





THANK YOU

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