The IALA ‘motto’ and principal aims

"Successful voyages, sustainable planet"

• To harmonise standards for Aids to Navigation systems worldwide

• To facilitate the safe and efficient movement of shipping

• To enhance the protection of the marine environment
Four types of Membership

• 86 National Members (Coastal States)
• 60 Associate Members
• 132 Industrial Members
• 47 Honorary Members
Aids to Navigation

IALA Constitution Art. 1

“A device, system or service, external to vessels, designed and operated to enhance safe and efficient navigation of individual vessels and/or vessel traffic"
IALA Strategic Vision and Goals for 2026

Goal 1
Ensure that aids to navigation systems and related services, including e-Navigation, Vessel Traffic Services, and emerging technologies, are harmonized through international cooperation and the provision of standards.

Goal 2
All coastal states have contributed to an efficient global network of aids to navigation and services for the safety of navigation, through capacity building and the sharing of expertise.
The Maritime Buoyage Agreement

IALA A and IALA B

During the IALA conference in November 1980 two navigation marking systems, ie the System A (red color for the left hand of the ship) and the System B (red color for the right hand of the ship), were combined into one - the IALA System.

**UNECE** Resolution No. 22 of 12 November 1982 on SIGNI – Signals and Signs on Inland Waterways, amended in 2010, take the IALA Buoyage Agreement into account.
The Committees
The “Power House” of IALA

• AtoN Requirements and Management (ARM)
• Engineering and Sustainability (ENG)
• Vessel Traffic Services (VTS)
• e-Navigation (ENAV)
Publications
Main result of the Committees’ work

• **Standards** which can be referred to directly in IMO and other international conventions and in national maritime laws.

• **Recommendations** which advise what should be done.

• **Guidelines** which advise how to implement the recommendations as ‘best practice’.

• **Manuals** which provide general reference materials (NAVGUIDE; MBS; VTS Guide; IALA Dictionary).

• **Model courses** which provide guidance on the training of VTS personnel, Aids to Navigation Managers and Aids to Navigation Technicians.
The Academy

- Inaugurated January 2012
- Independently funded

Functions:
- Capacity Building
- Education and training
- Research and development
Assessment of Need - 154 Coastal States

- States with smallest need
- States with smaller need
- States with some need
- States with the greatest need

Maturity of Maritime Management

Volume of Traffic and Degree of Risk
Those in greatest need
Mind the Gab
The Maritime domain into the digital age
Shore services and connectivity

Communications, harmonised data models, positioning
Vessel Traffic Service (VTS)

Operational safety and efficiency benefits from e-Navigation development

IALA Recommendation V-120 of June 2001 (2013) on VTS in Inland Waters and

UNECE, ITC Resolution No. 58 OCT 2004 Guidelines and Criteria for VTS on Inland Waterways
IWT and autonomous ships

Legal and operational challenges and opportunities for shore authorities
QUESTIONS?

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