

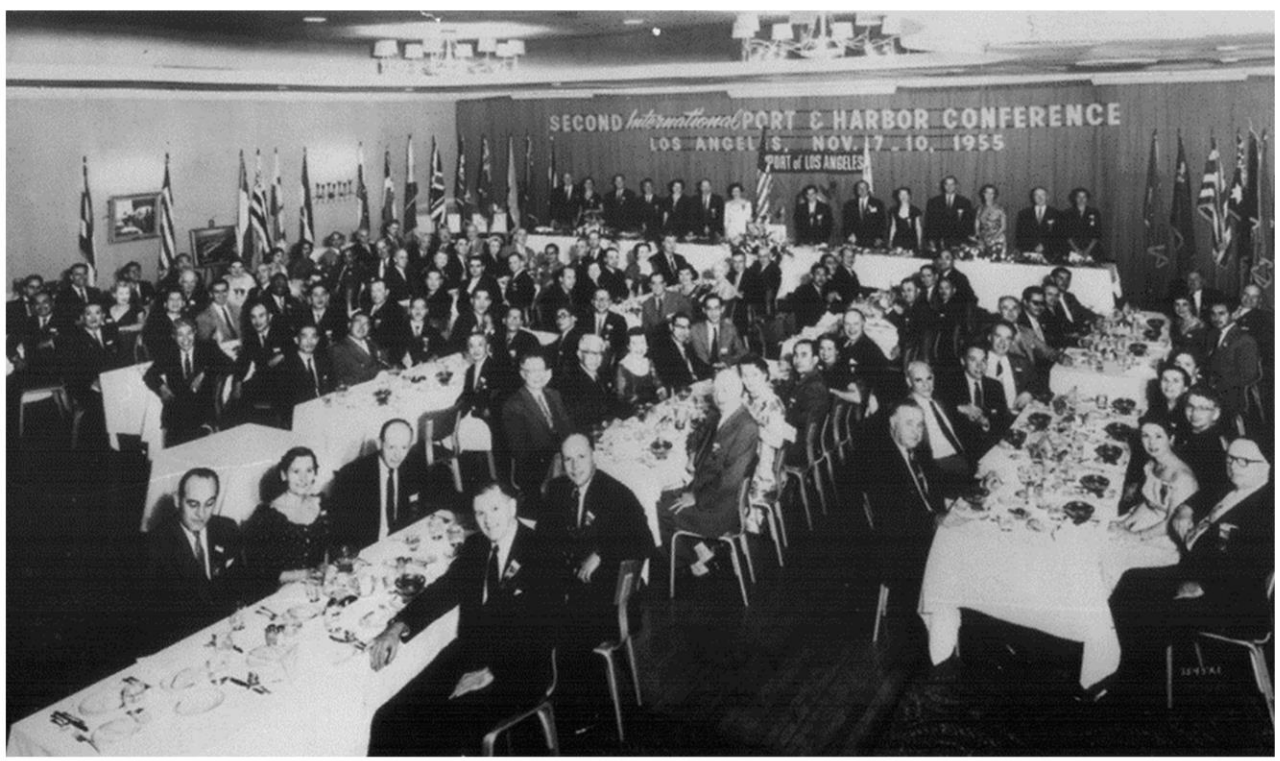
IAPH work and initiatives on Digitalization



Dr Antonis Michail, IAPH / WPSP Technical Director

Navigate 2022 - Digital Transformation in Maritime and Shipping

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Founded in 1955, IAPH has developed into a global alliance of ports, representing today some 162 regular port members and 126 port-related associate members in 87 countries.

IAPH has consultative status and represents global ports interests at IMO and other UN agencies, such as the ILO, UNCITRAL, UNCTAD, UNEP and the UN Global Compact. IAPH collaborates with the World Bank, the World Customs Organization, the Global Maritime Forum and the World Economic Forum.

Further to a change of constitution in 2016, IAPH has strategically reoriented its focus outwards from its port base, engaging with port community stakeholders running throughout the maritime transport chain.

THEMES



Climate & Energy

IAPH occupies an influential seat at the table of the International Maritime Organization, with both shipping and ports now beginning to open meaningful dialogues together on climate action, digitalization, trade facilitation and environmental performance.



Data Collaboration

IAPH has taken a front-running role in a joint industry call to accelerate digitalization. This policy document was issued in June 2020, co-signed by leading maritime industry associations and endorsed by the IMO Secretary General.



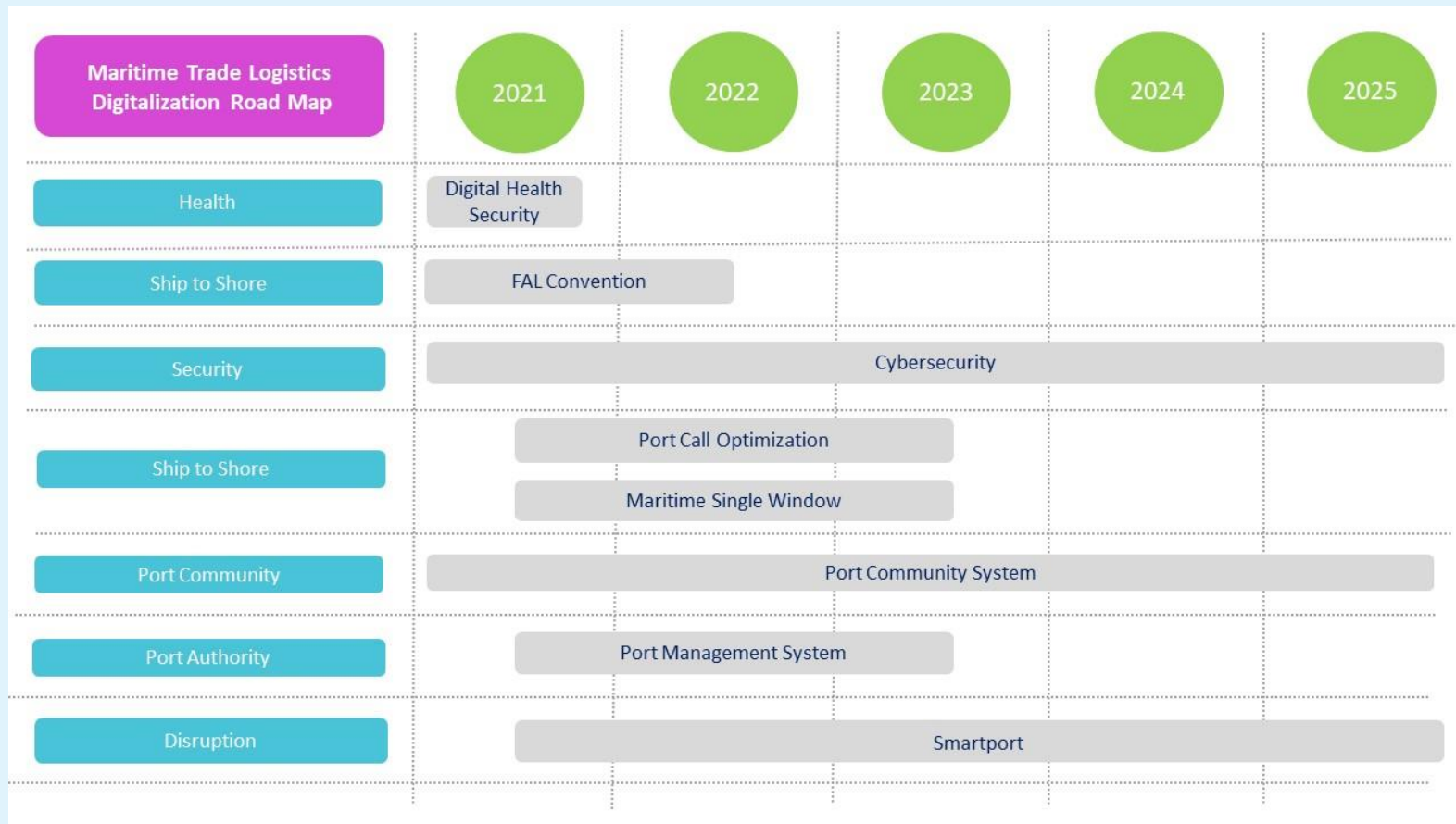
Risk & Resilience

Following the outbreak of the COVID-19 pandemic, IAPH set up a COVID-19 Taskforce composed of some of the world's leading port experts in operations and crisis management, combined with specialists called upon to make contributions

The IAPH Data Collaboration Committee

	TOPIC	FOCUS/PURPOSE	DELIVERABLES
1	Acceleration of digitalisation (priority actions joint industry statement June 2020)	Work with World Bank, IMO and others in setting up a capacity-building project for ports in emerging and developing countries	Project plan
		Status of implementation in ports	Dashboard
		Sharing best practices in a structured way	Database
		Facilitate dialogue with ports, shipping and standardisation bodies on common data sets	Roadmap
2	IMO Facilitation Convention (FAL)	Support implementation FAL requirements	Submissions and interventions
		Support adoption of common administrative and operational data standards (port call optimisation)	
3	Cybersecurity	Publication and submission to IMO of Port and Port Facility Cybersecurity Guidelines	Submissions and interventions
4	Automation	IAPH positioning in Maritime Safety Committee (MSC)	Submissions and interventions
5	Innovation	Facilitate the emergence of startups on a global scale to facilitate data collaboration and smart ports	Platform

Roadmap for Accelerating Digitalization

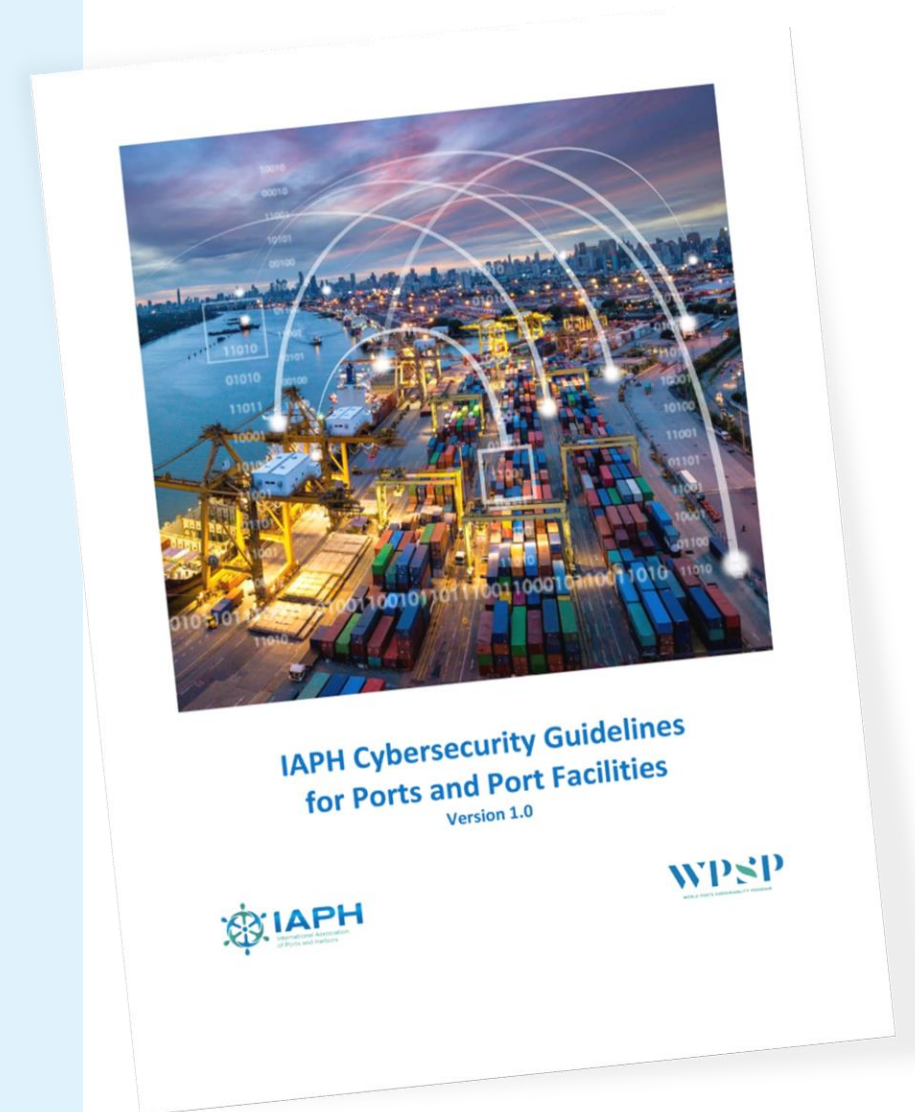


IAPH Cybersecurity guidelines

This 84 page document is the culmination of four months of intense work between 22 experts from IAPH member ports from around the world as well as Associate Member cybersecurity specialists and contributors from the World Bank. It serves as a crucial, neutral document for senior executive decision makers at ports who are responsible for safeguarding against cybersecurity risks as well as ensuring the continued business resilience of their organization.

Endorsed by IMO (FAL 46 May 2022) as industry standard

For your copy of the guidelines - <https://bit.ly/IAPHCyberGuide1>



Maritime Single Window

- IMO FAL 46 (9-13 May 2022) has adopted amendments to FAL Convention which will make Maritime Single Window mandatory in 2024
- Based on a joint submission of IAPH, BIMCO and IMHA, IMO FAL 46 also adopted amendments to the IMO Maritime Single Window guidelines, to include the port call process and the exchange of nautical and operational data which may be exchanged through the Maritime Single Window
- Further IMO guidelines are under development, (1) on authentication, integrity and confidentiality of information exchanges via Maritime Single Windows and related services, and on (2) harmonised communication and electronic exchange of operational data for port calls
- IAPH to work with IMO and others on capacity building to facilitate introduction of the MSW concept and related port call optimisation processes, based on harmonised standards



Customs-ports guidelines

- Development of guidelines progresses through joint WCO-IAPH working group, meetings are held on a monthly basis
- Main topics:
 - Strengthening cooperation between customs and port authorities
 - Acceleration of digitalisation
 - Enhancing supply chain security and resilience
 - Supporting sustainable development
- Timeline: final draft by January 2023 / formal adoption by May 2023



Innovation agenda

- Innovation Group operating under Data Collaboration Committee
- Start-ups showroom using Harbor Café platform:
 - Based on WPSP themes
 - Ports introducing promising start-ups
 - Annual schedule starting July 2022
- Innovation white papers:
 - Generic paper(s) on innovation mindset, Hackatons/pilots, innovation hubs (September 2022)
 - Thematic papers based on the WPSP themes
- Feasibility assessment of a fund for start-ups
- Innovation in ports survey



Digital port infrastructure strategic roadmap

- Cooperation ChainPort and IAPH based on IAPH/World Bank roadmap to accelerate digitalisation and ChainPort Port Reference Model
- Production of a 'Digital Port Infrastructure' strategic roadmap, based on perspectives and data needs of cargo owners
- Working group with ports of Barcelona, Hamburg, Los Angeles & Rotterdam
- Identification of principal problem: the inability of cargo owners to guide their own supply chain decisions
- Next steps:
 - validation of the barriers for a smooth supply chain;
 - validation of the key data elements which will enable smooth planning through port areas;
 - dialogue on adoption of standards.



Thank you!

Dr Antonis Michail

IAPH / WPSP Technical Director

antonis.michail@iaphworldports.org

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 /iaphworldports

 /iaphworldports