



## **MEDIA RELEASE**

Singapore, 21 April 2026 | For Immediate Release

### **Singapore Launches OCEANS-X to Advance Maritime Digital Connectivity and Support Global Trade Flows**

Singapore has launched OCEANS<sup>1</sup>-X, a new data and Application Programming Interface (API) eXchange platform developed by the Maritime and Port Authority of Singapore (MPA). It enables secure system-to-system connectivity across the maritime ecosystem, allowing maritime companies and government agencies to exchange trusted data directly. This in turn enables integrated digital services for better service delivery, more efficient port operations, smoother trade flows, and stronger connectivity with global ports. OCEANS-X can be accessed via <https://go.gov.sg/OCEANS-X>.

2. One of the first services available on OCEANS-X is digital port clearance. Today, ship masters and agents submit port clearance documents through the portal-based digitalPORT@SG™. With OCEANS-X, shipping companies and agents can now connect their in-house or third-party systems directly to the OCEANS-X platform, for data required for port clearance applications to be transmitted directly to MPA digital platforms. This saves time, reduces errors, and enables ships to call at the Port of Singapore more efficiently.

3. OCEANS-X also enables the electronic exchange of ship certificates between Singapore and its partner ports, including those we have established Green and Digital Shipping Corridors with. This provides port authorities a more secure and authoritative basis for certificate verification, and streamlines port clearances by reducing reliance on paper documents and manual checks. This strengthens port-to-port connectivity and coordination across global supply chains.

4. OCEANS-X currently hosts over 100 APIs and datasets, and will support a wider range of digital services over time. Industry players and startups are welcome to develop, integrate and deploy new services, including analytics and AI-enabled tools on this platform. At the same time, academia and members of the public can access and use the maritime datasets that have been made public, for research and innovation. See [Annexes](#) for details of the datasets and OCEANS-X APIs<sup>2</sup>.

<End of Release>

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<sup>1</sup> OCEANS stands for **Open/Common Exchange And Network Standardisation**.

<sup>2</sup> Some of these solutions will be showcased at Expo@SMW from 21 to 23 April.

## **Annex**

**Table 1: Examples of Datasets Available on OCEANS-X at Launch of SMW 2026**

<b>Datasets</b>	<b>Function</b>
Arrival and Departure Schedules	<p>Information to facilitate resource planning and deployment.</p> <p>For example, terminal operators can use this data to plan berth allocation. Ship Agents can use this data to coordinate marine services so vessels can receive timely support.</p>
Port information (Port and Location Code, Weather)	<p>Port codes provide unique identifiers for global ports (e.g., SGSIN for Singapore). This standardises shipping documents and eliminates confusion caused by similar port names.</p> <p>For example, users can integrate these datasets into their IT platforms to automate voyage planning and regulatory form-filling.</p>
Vessel Position in Singapore Water	<p>Provides stakeholders with vessels' position in Singapore Water.</p> <p>For example, a service boat operator can use this information to see precisely where an incoming vessel is located and its speed. This helps them leave port at the right time to meet the ship safely and on schedule.</p>
Port Clearance (Access to Port Clearance Certificates, Arrival/Departure Declarations)	<p>Enables platform-to-platform integration between the shipping company's IT systems and MPA to facilitate the port clearance process.</p> <p>For example, vessel operators can integrate their IT systems with MPA via OCEANS-X APIs to automatically submit arrival documents and clearance certificates digitally. This replaces manual form-filling and emailing, enabling one-click submissions that speed up port entry.</p>

Table 2: Examples of Industry applications

Stakeholders	Industry application examples	Everyday analogies
Port Authorities	Using predictive insights to manage port operations and improve vessel turnaround times	Similar to Air Traffic Control: Ensure vessels travel at optimised speed enroute to the destination port so that they are able to berth on arrival.
Ship Masters and Crew	Utilising environmental and navigational data to improve vessel performance and safety.	'Google Maps' for Ports: Redirecting ships around bad weather or to avoid "traffic jams" to save fuel and arrive safely.
Ship Agents	Using unified platforms to coordinate third-party services and arrival windows.	Like a digital concierge app that syncs your flight, taxi, and hotel so everything is ready the moment you land.
Industry (Maritime Businesses)	Adopting common standards to enable seamless integration across the supply chain.	Like universal USB-C cables, allowing different companies to "plug into" each other's systems regardless of what systems or software they use.
Researchers and academia	Accessing comprehensive datasets to model future trends and global trade impacts.	Similar to Medical Research: Analysing years of medical data and records to find cures, but for the "health" and efficiency of global trade.

## **About the Maritime and Port Authority of Singapore (MPA)**

MPA was established in 1996 with the mission to develop Singapore as a global hub port and international maritime centre, and to advance and safeguard Singapore's strategic maritime interests. MPA takes on multiple roles as Singapore's maritime and port regulator and planner, international maritime centre champion, national maritime representative, and champion of maritime digitalisation and decarbonisation efforts. MPA partners industry, research community and other agencies to enhance safety, security and environmental protection, facilitate maritime and port operations and growth, expand multi-domain capabilities, and support the cluster of maritime services and manpower development.

For more information, please visit [www.mpa.gov.sg](http://www.mpa.gov.sg).

## **About Singapore Maritime Week 2026**

SMW is an annual gathering of the international maritime community to advance key industry issues and exchange ideas to bring the sector forward. Driven by MPA, in collaboration with industry stakeholders and research and educational institutions, SMW brings together key opinion leaders and industry leaders through conferences, dialogues and forums.

The range of activities and events organised by MPA, industry stakeholders and research and educational institutions, as well as the cosmopolitan profile of participants, reflect the vibrancy and diversity of Singapore as a global hub port and leading international maritime centre.

For more information, please visit [www.smw.sg](http://www.smw.sg).

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