



**Asia-Pacific
Economic Cooperation**

2024/TPTWG/MEG/TM1/003

Agenda Item: 3.1

Malaysia Maritime Single Window

Purpose: Information
Submitted by: Malaysia



**Thematic Session on Supporting the
Identification and Integration of New
and Emerging Smart and Sustainable
Maritime Technologies and Services**

4 April 2024



Asia-Pacific
Economic Cooperation

MALAYSIA MARITIME SINGLE WINDOW (MMSW)

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Background & Objectives

The **Malaysia Maritime Single Window (MMSW)** is a Central Digital Database and Common Data Source that will facilitate end-to-end information flow and creates value for port users, traders and logistics business, and government agencies for transport facilitation. It will serve as a one-stop portal for maritime regulatory and port services transactions.

MOT will develop 2 modules under 1st Phase of MMSW:

i. Ship Clearance System

ii. National Digital Port Community System

Data
Harmonisation



Combat illegal
trade



Crew and
cargo
safety



Remain fully operational during public health
emergency to ensure complete functionality of global
supply chains.

Address malpractices associated with
ship-shore interface in ports



MMSW : FUNCTIONAL OVERVIEW



Port



Shipping Line Agent



Customs



Immigration



Coast Guard/VTS



Maritime Authority



Port Health Org.



Regulatory Authorities



Web Portal



Mobile Apps

MSW

MODULES



Containerised



Bulk



Break-bulk



Liquid



Fishery



Cruise

Vessel Declaration

Ship ID

Ship Call Number (SCN)

ePAN

Track & Trace

Vessel Clearance Mgmt

FAL

Haz Cargo Declaration

Cargo Loading/ Discharge Ops.

Crew/ Passenger Management

UTILITIES



WhatsApp/ e-Mail/SMS



Reports



SLA Management



Digital Signature



e-Docket



BI

INTEGRATION



Shipping Line Agent



Payment Gateway



Regulatory



Customs/ Immigration / PHO

TECHNOLOGIES



Cloud



IoT (RFID/DGPS)



Blockchain



AI/ML

Ports Involved



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