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**2024
IPPC
REGIONAL
WORKSHOP**

Getting In Touch About CPM Focus Group on Sea Containers

4.7 - 2024 IPPC Regional Workshops



Topics

- Purpose
- Global Risk Context
- Sea Container Commerce – Complexities
- Options Explored
- Key Areas Of Focus
- Potential Future Solutions
- Extension Of CPM Focus Group on Sea Containers’ Term – Why?





Purpose

The purpose of this Focus Group is to review all relevant materials and recommendations, develop viable options that will contribute to risk management, and provide CPM with recommendations, including the option of development of an ISPM.

Key functions, included, but are not limited to:

- identify and describe a preferred option or options;
- examine the practicalities needed for such options;
- explore the global commercially driven solution;
- revise CPM recommendation on Sea containers (R-06);
- consider and estimate the resources required by NPPOs and industry parties to establish and operate preferred options.





Global Risk Content

- Sea container cleanliness data from four countries
- International literature review to collect evidence of:
 - Pest spread linked to the sea container pathway
 - Costs associated with management of introduced and established pests

Results:

- Interception rates – 20 -56 % (packed); 15 -33% (empty)
- Over 90 % of external risks (undersides); internal risks (floors)
- 9 pests – 100 of World's Worst Invasive Species – GIS database

Consensus – enough scientific evidence – global action required!





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Incorporating Safe Trade into Sea Container Commerce - Complexities

- Over 250 million sea containers shipped per annum
- Complex and many supply chain interactions, therefore multiple stakeholders involved
- Clear understanding of roles and responsibilities required
- Ports and Terminals – capacity and space
- NPPO's capabilities and capacities – limitations

Solutions MUST be practical, effective and cost-effective





Options Explored

- Awareness raising, education and outreach
- Industry-led programs
- Best practices at critical points in the supply chain by industry
- Automated detection capabilities
- Improved container designs
- International phytosanitary standard
- Third party authorization with NPPO oversight
- Incorporating phytosanitary measures into multilateral frameworks
- Revisions to CTU Code





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Key Areas of Focus

- Revised CPM Recommendation
- Custodial Responsibility concept
- CTU Code updates
- Pest risk assessment
- WCO initiatives – changes to Data Models and updates to SAFE Framework
- Improvements to sea container designs

International Workshop in Australia - collectively discussed and considered the above.





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Revised CPM Recommendation on sea containers

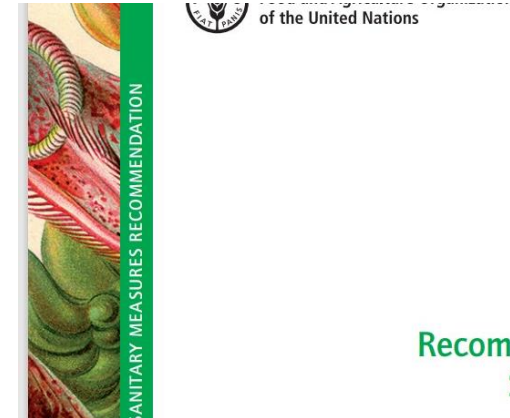
- Interim guidance
- 9 recommendations

Custodial responsibility

- Industry-led solution
- Responsibility of the receiving container custodian to hold the previous custodian in the supply chain accountable

Updates to CTU Code

- A joint publication of IMO, ILO and UNECE – non-mandatory global code of practice for handling and packing of containers
- Updates – a new chapter on pest contamination; replacing current Annex 6 with a placemat; amendments to chapter 4 regarding roles and responsibilities



Recommendation on:
Sea containers





Sea container pathway – global risk assessment

- Analysed data collected from 4 countries
- Reviewed International literature review on spread of pests
- Assessed costs associated with management of pests

WCO initiatives

- Update to SAFE Framework - Two proposals:
 - Cooperation between Customs and Agricultural agencies to align compliance and other activities
 - Collaboration between border agencies to harmonise border control process, measures and strategies





WCO initiatives

- WCO Data Models
 - Tracking container cleanliness through customs declarations
 - Not possible for empty containers
 - Responsible parties for customs declarations and cleanliness declarations identified

Improvements to container designs

- Floor types that have no gaps, are less prone to developing cracks and crevices, and that are easier to clean
- Light-coloured coatings to container undercarriages to improve the detectability of pest contamination

Australia and China are undertaking container design trials to collect data to inform additional improvements to container designs.





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Emerging Technologies – Potential Future Solutions

- **eDNA and eRNA Testing**
 - Testing environmental samples such as dust or air for pest detection
 - If successful, can be used at critical control points
 - Can be applied to a variety of pests of concern
- **Biosecurity Automated Threat Detection System**
 - Cameras mounted on ship-to-shore cranes and applied machine learning to detect and identify the type of biosecurity risks in real-time
 - Several key findings from the trial in Australia
- **Hand-held hyperspectral camera**
 - machine learning and hyperspectral imaging technology, to detect and categorize potential biosecurity threats.
 - >95 % detection rate, but further development needed





Extension of CPM FG on Sea Containers' Term – Why?

- Based on available information, assess the effectiveness and efficiency of the CPM Recommendation on Sea containers (R-06)
- Review all new, emerging and evolving technologies and opportunities.
- Continue to analyze potential regulatory and non-regulatory options in order to identify and describe a recommended option or options
- Provide recommendation to CPM whether the development of an ISPM or other long-term guidance is a preferred option for the IPPC
- Consider the practicalities and possible negative impacts of the identified options

Refer to the ToR for a full list of functions





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Thank you

IPPC Secretariat

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