



## **COURSE CURRICULUM**

### **Regional Training Course for Fisheries Inspectors in the Implementation of Port State Measures (PSM)**

**29 September – 1 October 2026**

**Bangkok and SEAFDEC/TD, Thailand**

Global marine fishery production has been declining, with Illegal, Unreported, and Unregulated (IUU) fishing identified as a critical challenge to sustainable fisheries. This illicit activity undermines fisheries management at both national and international levels by circumventing established legal frameworks, leading to the rapid depletion of fish stocks and threatening marine biodiversity. Port State Measures (PSM) have emerged as a pivotal tool in combating IUU fishing by enforcing controls such as pre-arrival notifications, designated port use, vessel inspections, and restrictions on landing and transshipment of fish. These measures enhance the capacity of Port States to detect and deter non-compliant fishing activities, bridging the enforcement gaps often left by flag States. For the Southeast Asian region, strengthening PSM is essential to protecting fisheries resources, fostering regional cooperation, and promoting sustainable fisheries management. Effective implementation of PSM not only curbs IUU fishing but also ensures fair practices for responsible fishers while supporting broader conservation efforts across the region.

#### **Objectives**

- To build up the capacity of participants to better understand techniques for PSM and port control implementation.
- To build up understanding of innovative tools analysis with notification and support for PSM and port control implementation.

#### **Expected Outputs**

- Increasing knowledge, skill, and experience of participants for inspection to support PSM and port control implementation.

#### **Participants**

Three (3) representatives from each ASEAN Member States (except Lao PDR) who are engaged in and conduct PSM and/or port control activities at the inspection (professional level). We encourage gender-inclusive nominations, but due to donor requirements, participants must be civilian personnel.

#### **Request for Participants**

All participants are requested to bring your personal laptops for practice. The training will be conducted in English.

#### **Date and Venue**

29 September–1 October 2026 (3 days) in the Chatrium Sathon Hotel, Bangkok and SEAFDEC/TD, Thailand

## Timetable

29 September 2026 (Venue: Chatrium Sathon Hotel)

| Time        | Activities                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Delivered by                                                  |
|-------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------|
| 08:30–09:00 | <b>Registration</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                               |
| 09:00–09:30 | <b>Opening Session</b> <ul style="list-style-type: none"> <li>• Statement by JICA Thailand Office</li> <li>• Statement by NOAA</li> <li>• Statement by JAC Team</li> <li>• Statement by any other invited experts</li> <li>• Opening Address by SEAFDEC Secretary-General</li> <li>• Group Photo</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                        | All                                                           |
| 09:30–10:00 | <i>Refreshment Break</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                               |
| 10:00–10:10 | <ul style="list-style-type: none"> <li>• <b>Introduction of the Participants</b></li> <li>• <b>Participants' Expectation from Practical Workshop</b></li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | SEAFDEC                                                       |
| 10:10–12:00 | <b>Challenge and Best Practice on PSM Implementation in Southeast Asia</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Mr. Thira<br>PhD Student from<br>Shanghai Ocean<br>University |
| 12:00–13:00 | <i>Lunch</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                               |
| 13:00–13:40 | <b>Presentation: Introduction &amp; Background to Port State Measures (PSMs)</b> <ul style="list-style-type: none"> <li>• Explain the importance and purpose of Port State Measures (PSMs)</li> <li>• Describe the key measures: PSMA and RFMO port State inspection measures<br/><i>(Note: voluntary implementation of elements of port State measures is an option for port States not Parties to PSMA and/or bound by RFMO port State measures)</i></li> <li>• Explain the important features of PSMA/RFMO PSMs including designated ports, applicable vessels, advance requests for port entry and port State responsibilities, e.g. allowing or denying port entry; obligations to inspect vessels</li> </ul> | NOAA                                                          |
| 13:40–14:15 | <b>Presentation: Introduction &amp; Background to Port State Measures (PSMs) (cont.)</b> <ul style="list-style-type: none"> <li>• Examine similarities (and differences) between the PSMA and relevant RFMO port State measures (particularly for IOTC and WCPFC)</li> <li>• RFMO PSMs exercise</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                         | NOAA                                                          |
| 14:15–14:30 | <b>Quiz on PSMs (Mentimeter)</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | JAC                                                           |
| 14:30–15:00 | <i>Refreshment Break</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                               |
| 15:00–15:55 | <b>Presentation: Introduction to Open-Source Tools that can be used to Support PSM</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | JAC                                                           |

| Time        | Activities                                                                                                                                                                                                                                                                                                                                                                                                        | Delivered by      |
|-------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|
|             | <p>Introduction to the open-source tools that will be used on Day 2:</p> <ul style="list-style-type: none"> <li>• Global Fishing Watch (GFW) platform including intro to AIS data,</li> <li>• Triton</li> <li>• Skylight</li> <li>• CRAVT - (IMCS)</li> </ul> <p>High-level overview of the key information available in each and which elements of Port State measures implementation each tool can support.</p> |                   |
| 15:55–16:00 | <p><b>Participant Reflection &amp; Preparation for Day 2</b></p> <ul style="list-style-type: none"> <li>• Feedback (keep/ change/ add)</li> <li>• Set up participant logins for GFW, Skylight and Triton platforms for those not already done</li> </ul>                                                                                                                                                          | JAC, Participants |
| 18:00–20:00 | <i>Reception Dinner</i>                                                                                                                                                                                                                                                                                                                                                                                           |                   |

**30 September 2026 (Venue: Chatrium Sathon Hotel)**

| Time        | Activities                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Delivered by                 |
|-------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|
| 09:00–09:15 | <ul style="list-style-type: none"> <li>• <b>Recap Day 1 - participants share key takeaways from day</b></li> <li>• <b>Review of agenda for day 2</b></li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | JAC/NOAA                     |
| 09:15–10:00 | <p><b>Presentation: Risk and Risk Assessment for PSM</b></p> <ul style="list-style-type: none"> <li>• Introducing concepts of risk and risk assessment to guide decisions on port entry/ use/ denial and selection of vessels for inspection</li> <li>• Understand the different tools and information sources that can inform the risk assessment - Maritime Domain Awareness (MDA) tools and other relevant non-satellite -based information sources, including vessel authorizations, RFMO IUU lists, internal records, etc</li> <li>• Recognizing a risk-based approach can also be used to select domestic vessels for port inspection</li> <li>• Risk matrix activity</li> </ul> | JAC                          |
| 10:00–10:30 | <p><b>Guided Demo: Orientation around GFW Platform</b></p> <ul style="list-style-type: none"> <li>• Introduce the GFW platform in detail including vessel characteristics and activity information to check for risk indicators to inform PSM process</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                       | JAC (GFW), Participants      |
| 10:30–11:00 | <i>Refreshment Break</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                              |
| 11:00–12:00 | <p><b>Guided Demos: Introduction to Skylight &amp; Triton Platforms</b></p> <ul style="list-style-type: none"> <li>• Briefly demonstrate Triton</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | JAC (Skylight), Participants |

| Time        | Activities                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Delivered by                              |
|-------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|
|             | <ul style="list-style-type: none"> <li>Demonstrate how the Skylight platform can be used to complement the GFW platform - particularly looking at information in the last 72 hours</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                           |
| 12:00–13:00 | <i>Lunch</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                           |
| 13:00–13:15 | <b>Quiz (Mentimeter)</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | JAC                                       |
| 13:15–14:30 | <b>Case Study Exercises Using GFW/Skylight/Triton</b> <ul style="list-style-type: none"> <li>Examine specific vessel cases to demonstrate use of the tools in a real-world scenario</li> <li>Work through some examples - identify potential risk factors, e.g. by checking: <ul style="list-style-type: none"> <li>History of the vessel flag, owner, master</li> <li>Any past evidence of IUU fishing/ RFMO IUU listing</li> <li>Authorizations (including for RFMOs)</li> <li>Potentially suspicious behavior patterns indicated by satellite data, e.g. by analysis of movement patterns, location and speed, etc.</li> <li>Evidence of potential at-sea encounters including at-sea transshipping if not permitted/ declared (45 min)</li> </ul> </li> </ul> | JAC (NOAA assist as needed), Participants |
| 14:30–15:00 | <i>Refreshment Break</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                           |
| 15:00–15:30 | <b>Case Study Exercises (cont.)</b> <ul style="list-style-type: none"> <li>Participants continue completing the case study exercises using GFW/ Skylight/Triton tools.</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | JAC/NOAA, Participants                    |
| 15:30–15:45 | <b>Review Day 2/Announcements for Day 3</b> <ul style="list-style-type: none"> <li>Recap Day 2</li> <li>Announcements for Day 3</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | JAC, NOAA                                 |
| 15:45–16:00 | <b>JAC-NOAA Post Training Evaluation Survey (or on Day 3)</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Participants                              |

**1 October 2026 (Venue: SEAFDEC/TD)**

| Time        | Activities                                                                                                                                                                                                            | Delivered by     |
|-------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|
| 09:00–09:45 | <b>US Implementation of PSMA</b> <ul style="list-style-type: none"> <li>Discuss U.S. implementation of PSMA, including port State inspection techniques and lessons learned from NOAA PSM port inspections</li> </ul> | NOAA             |
| 09:45–10:30 | <b>Presentations: Case Studies &amp; Examples</b> <ul style="list-style-type: none"> <li>Offloading control - discuss relevant examples, e.g.</li> </ul>                                                              | NOAA, JAC (IMCS) |

| Time        | Activities                                                                                                                                                                                                      | Delivered by            |
|-------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------|
|             | <ul style="list-style-type: none"> <li>▪ NOAA case studies (25 min)</li> <li>▪ IMCS case study - container vessel from Korea (10min)</li> <li>○ Discussion of PSMA case studies - NOAA/IMCS (10 min)</li> </ul> |                         |
| 10:30–11:00 | <i>Refreshment Break</i>                                                                                                                                                                                        |                         |
| 11:00–12:00 | <b>Exercises:</b> Investigate the vessel to be used for the boarding scenario using GFW, Skylight, and Triton tools                                                                                             | JAC/ NOAA, Participants |
| 12:00–13:00 | <i>Lunch</i>                                                                                                                                                                                                    |                         |
| 13:00–15:00 | <b>Port Inspection: Practical</b><br>Practice port inspection activities aboard <i>M.V. SEAFDEC</i>                                                                                                             | NOAA, Participants      |
| 15:00–15:30 | <i>Refreshment Break</i>                                                                                                                                                                                        |                         |
| 15:30–15:45 | <b>Port Inspection: Debrief</b><br>Discuss and debrief participants' experiences from the practical exercise                                                                                                    | NOAA, Participants      |
| 15:45–16:00 | <b>SEAFDEC Post-training Evaluation</b>                                                                                                                                                                         | SEAFDEC                 |
| 16:00–16:30 | <b>Closing Ceremony</b>                                                                                                                                                                                         | All                     |

*Remark: The timetable may change depending on the situation.*