Food and Agriculture Organization of the United Nations

Indian Ocean Tuna Commission
Commission des Thons de l'Océan Indien
iotc ctoi

Review and recommendation on IOTC IT reporting applications (e.g. e-PSM, e-Maris, e-RAV, e-FADs, ROS, etc...) - Using tools/technology for IOTC applications

PREPARED BY: IOTC SECRETARIAT[1]: 23 JANUARY 2026

PURPOSE

Component 10 of the Work Plan of the Working Party on the Implementation of Conservation and Management Measures (WPICMM) requires that CPCs provide feedback from CPCs using these tools/technologies to support uptake of the technology. The contribution from CPCs shall be reviewed by the WPICMM. The Secretariat is subsequently required to amend the IOTC tool(s) as recommended.

BACKGROUND

The component 10, sub-component 10.1 of the Work Plan of the WPICMM comprises the following activities:

10	Review and recommendation on IOTC IT reporting applications (e.g. e-PSM, e-Maris, e-RAV, e-FADs, ROS, etc...)
10.1	Using tools/technology for IOTC applications
10.1.1	Secretariat seek feedback from CPCs using these tools/technology to support uptake of the technology.
10.1.2	WPICMM to review the feedback and endorse the feedback from CPCs
10.1.3	Secretariat to amend the IOTC tool(s) as recommended.

The Work Plan of the WPICMM, IOTC-2026-WPICMM09-18-WPICMM Work Plan (2025-2030) is available HERE.

In a letter sent on 09 October 2025, reference IOTC2025-307 IMPLEMENTATION OF THE WPICMM's WORKPLAN - INTERSESSIONAL ACTIVITIES FOR WPICMM09, the Chair of the WPICMM reminded CPCs to contribute to the implementation of the component 10 of the WPICMM Work Plan.

---

[1] IOTC-Secretariat@fao.org

DISCUSSION

The following CPCs responded to the letter of the Chair and their responses are provided in Annex 1, and summarised in the below table.

CPC	Date	Contributions on IOTC applications	Action/response by Secretariat
United Kingdom	29/10/2025	☒e-Maris - •Potential improvements: Reports are quite long. Is there a way just to summarise these on a single page at the beginning?, ☒e-RAV - •Potential improvements: It would be useful if the list could be downloaded so it could be used offline. There is a time lag between a vessel submitting its details and them being added / changed on e-RAV. ☐e-FADs, ☐ROS, ☐e-PSM,	**No action.** e-MARIS: Reports (CQ and IR) – The structure of e-MARIS and its work flow prevent to reduce the size of the report. CQ and IR are built from the individual requirements. e-RAV: It is possible to download the list of vessels from a search from the left drawer in e-RAV, consult this manual available on the IOTC web site The_List_of_vessels_for_CPCs.pdf pages 10/11. Secretariat does not have control on the date of submission, only CPCs have, which explain the difference/lag for certain fleets. Secretariat process e-RAV submission within 2 working days.
Kenya	05/11/2025	☒e-Maris - •Potential improvements: Introduce offline & mobile functionality for field based data entry; develop interacive onboarding modules and user guides; ☒e-RAV - •Potential improvements: Add auto validation features to reduce errors; Expand help documentation & tooltips. ☒e-FADs - •Potential improvements: Integrate GPS linked alerts & mapping tool for active monitoring, ☒ROS - •Potential improvements: Expand ROS to include CPC specific dashboards & automated reminders. ☐e-PSM,	**Action -** Secretariat has noted the contribution from Kenya and will work with Kenya and the developers to address them.
Thailand	11/12/2025	☒e-RAV - •Potential improvements: Increase limit of Total volume of holds to above 1.000 cc meters. ☐e-PSM, ☐e-Maris, ☐e-FADs, ☐ ROS	**Action -** Secretariat has noted the contribution from Kenya and will work with Thailand and the developers to address them.

RECOMMENDATION/S

That the WPICMM09:

1) **NOTE** the meeting document IOTC-2026-WPICMM09-09 which present the contributions from CPCs,

2) **NOTE** that three CPCs, Kenya, Thailand and United Kingdom, have provided feedback on IOTC applications,

3) **NOTE** that the Secretariat will work inter-sessionally with the concerned CPCs and the developers to address the feedback received.

4) **CONSIDER** any actions to be taken on the feedback received and make Recommendations to the Compliance Committee CoC23.

Annex 1 – Feedback on IOTC applications reported by CPCs for the WPICMM09.

United kingdom

Dear Secretariat Colleagues, Many thanks for circulating this. With thanks to my colleague James, we have some brief feedback which we hope will be of use: • Strong points: The fact that it carries over the information from previous years and only information that has changed needs to be updated saves time. The reminders and the dashboard on the main screen help to ensure that submissions are on time and complete. • Potential improvements: Reports are quite long. Is there a way just to summarise these on a single page at the beginning? • e-RAV: Seems to work well for our purposes. We mainly use it for checking vessels within the BIOT / Chagos Archipelago, either that are passing through or that have been inspected. The inclusion of photos has been useful as has the inclusion of the beneficial owner, especially in light of Resolution 24/09. It would be useful if the list could be downloaded so it could be used offline (this feature may be available but I can't find it) and I think there is a time lag between a vessel submitting its details and them being added / changed on e-RAV. This is perhaps unavoidable but has led to us recording a vessel as no longer being on the RAV when it has renewed its authorisation. Kind regards,	If I may answer for answer for Carlo. I can confirm that the UK does not have any contribution for the Activities under 1.1. The reference to the reports was really for the UK's Compliance Questionnaire but also applies to others. The UK's one it was 52 pages long, most of which were greyed out or NIL Report / Not Applicable. I was wondering if there was a way of summarising at the beginning or end in a couple of pages? For example, 'The following sections do not apply to the [CPC]' and list them off, and the 'The following sections were recorded as NIL Report / Not Applicable by the [CPC]' and only have those sections that were applicable in the main section of the report. I realise this is mainly aesthetic and the UK is in a somewhat unique position, not having much to report on, but it would make it easier to pick out what CPCs had answered for those sections that are relevant to them. The implementation report isn't so bad at 21 pages but is still mostly nil values and large tables with nothing in them, for example the frozen bigeye export table under 10/10. Could these be removed if nothing in them, or limit the number of rows to the number of entries? The compliance report is fine. Thank you for pointing out the download function for the e-RAV, apologies, I should have seen it. Let me know if you need anything else, Best regards,

Kenya

Activity 10.1 Feedback on IOTC IT Systems

Kenya has reviewed its experience and engagement with IOTC's electronic reporting systems and submits the following observations and recommendations:

1. e-MARIS (Electronic Monitoring and Reporting Information System)

Kenya has participated in regional training workshops on e-MARIS, including the 2023 Mauritius session organized by IOTC to enhance CPCs' capacity in submitting compliance reports.

Advantages

- Centralized platform for managing reporting obligations.

- Dashboard features for tracking submission status.

Challenges

- No offline functionality for field-based data entry.

- Navigation and account setup may be complex for new users.

Recommendations

- Introduce offline mode and mobile compatibility.

- Develop interactive onboarding modules and user guides.

2. e-RAV (Reporting of Activities of Vessels)

Kenya has engaged with e-RAV through joint training with e-MARIS, focusing on vessel activity reporting and resolution compliance.

Advantages

- Standardized templates for vessel declarations.

- Integration with e-MARIS for streamlined reporting.

Challenges

- Lack of automated validation checks.

- Limited contextual guidance within templates.

Recommendations

- Add auto-validation features to reduce errors.

- Expand help documentation and in-platform tooltips.

3. e-FADs (Fish Aggregating Devices Reporting System)

Advantage

Supports FAD registration and deployment records.

Challenge

No geofencing or real-time tracking capabilities.

Recommendation

Integrate GPS-linked alerts and mapping tools for active monitoring.

4. ROS (Reporting and Observation System)

Kenya has access to ROS for monitoring reporting obligations and timelines.

Advantage

Visibility into compliance status across resolutions.

Challenge

Limited dashboard customization for CPC-level tracking.

Recommendation

Expand ROS to include CPC-specific dashboards and automated reminders.

Thailand

No. 0511.3/ 12712

Department of Fisheries
Kaset Klang, Chatuchak
Bangkok 10900 Thailand

๔ December B.E. 2568 (2025)

Dear Mr. Paul de Bruyn,

**Subject: Response to IOTC REF: IOTC 2025-307 on the Implementation of the
WPICMM Workplan – Intersessional Activities for WPICMM09**

With reference to IOTC REF: IOTC 2025-307, which requests CPCs to provide (1) information on ongoing or planned capacity-building initiatives to other CPCs, and (2) experiences, issues, and suggestions related to IOTC IT reporting systems, Thailand would like to provide the following information in response:

1. Capacity-building initiatives of Thailand

Thailand currently has no ongoing or planned capacity-building initiatives, nor has it allocated any budget for activities intended for other IOTC CPCs. Should such initiatives become available in the future, Thailand will submit the relevant information using the template form provided by the Secretariat.

2. Capacity-building needs of Thailand

Thailand wishes to express its interest in receiving training and/or technical assistance in the following areas:

2.1 Reporting under the Regional Observer Scheme (ROS): Training related to the operation, data collection, sampling, and observation activities conducted at ports or at sea.

2.2 Access and use of the e-FADs system: Training on the operation of the electronic system for authorized Fish Aggregating Devices (FADs) within the IOTC Area of Competence, including the DFADs Register, once it becomes operational.

3. Additional comments and suggestions regarding IT reporting systems

3.1 Observer data reporting system: Thailand would like to inquire whether IOTC has a dedicated reporting system specifically for observer data, separate from other reporting systems, to facilitate efficient monitoring and reporting of observer activities, given the large number of observer-related forms and datasets.

3.2 Training curriculum for Regional and National Observers: Thailand would like to seek clarification on the differences between the training curricula for Regional Observers and National Observers, and whether there are pathways or opportunities for enhancing the capacity of National Observers to meet the standards or qualifications equivalent to those of Regional Observers.

3.3 Limitations in the e-RAV system: It has been observed that in the e-RAV system, which registers vessels authorized to operate within the IOTC Area of Competence, the "Total Volume" field is currently limited to a maximum of 1,000 cubic meters, whereas some Thai carrier vessels have capacities exceeding this limit. Thailand would therefore like to suggest that IOTC consider revising the system to allow input values greater than 1,000 cubic meters, in order to ensure accurate and realistic reporting of vessel capacities.

The Department...

- 2 -

The Department of Fisheries, Thailand, appreciates the opportunity to contribute to the WPICMM Work Programme and looks forward to continued cooperation with the IOTC Secretariat and CPCs.

Please be assured of our fullest cooperation.

Yours sincerely,

(Mrs.Thitiporn Laoprasert)
Director - General

Mr. Paul de Bruyn
Executive Secretary, Indian Ocean Tuna Commission
IOTC Secretariat Blend Seychelles Building (2nd floor)
Providence PO Box 1011, Victoria, Seychelles.
Phone: +248 4225 494 E-mail: IOTC-Secretariat@fao.org

Fisheries and Fleets Management Division
E-mail: thaioverseas.dof@gmail.com