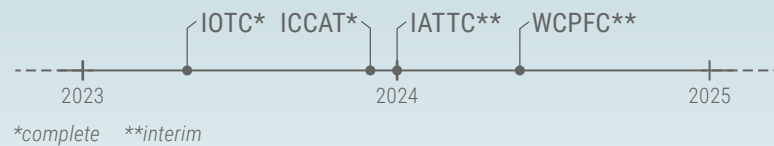


Electronic Monitoring (EM)

RFMO Requirements

All tuna RFMOs have made progress toward use of electronic monitoring (EM) systems to provide on-board vessel monitoring.

RFMO EM standards adoption date or adoption expected date:



RFMOs begin using data received from EM systems for scientific and/or compliance purposes approximately two years after the adoption of EM minimum standards: one year for program implementation and an additional year for data review and submission. However, for those CPCs currently implementing an EM program, this timeline could be shortened to one year.

Many vessels are already installing EM systems for various reasons, regardless of timing of RFMO requirements, because:

- Some flag and coastal states already require EM
- Vessels are implementing measures to improve their own performance
- Fishery Improvement Projects are tracking implementation of on-the-water improvement using EM data
- MSC-certified fisheries can rely on EM data to comply with evidentiary requirements to meet the standard and maintain certification
- ISSF's Vessels in Other Sustainability Initiatives (VOSI) list identifies vessels that have demonstrated participation in an EM program

The EM systems in use follow drafted RFMO standards, and the data are already being utilized for monitoring and fishery improvement.

Learn more about EM in tuna fisheries:

issf-foundation.org/tuna-stocks-and-management/fisheries-management/regional-fisheries-management-organizations-rfmos/resources-for-electronic-monitoring-and-reporting-observer-coverage

Critical categories of information that EM systems are reporting include:

| Data Type | EM Minimum Data Fields | | | |
|-----------------------------|-----------------------------------|--|-----------------------------------|-------------------------------|
| Vessel information | <input type="checkbox"/> Name | <input type="checkbox"/> IMO | <input type="checkbox"/> Flag | <input type="checkbox"/> Gear |
| Trip information | <input type="checkbox"/> Ports | <input type="checkbox"/> Itinerary | | |
| Set information | <input type="checkbox"/> Dates | <input type="checkbox"/> Location | <input type="checkbox"/> Duration | |
| Retained catch information | <input type="checkbox"/> Quantity | <input type="checkbox"/> Species | <input type="checkbox"/> Sizes | |
| Discarded catch information | <input type="checkbox"/> Quantity | <input type="checkbox"/> Species | <input type="checkbox"/> Sizes | <input type="checkbox"/> Fate |
| Mitigation measures used | <input type="checkbox"/> Gear | <input type="checkbox"/> Release methods | | |

