

AD HOC WORKING GROUP ON THE DEVELOPMENT OF ELECTRONIC MONITORING PROGRAMME STANDARDS PROGRAMME OF WORK (2023–2027)

PREPARED BY: IOTC SECRETARIAT, 06TH MARCH 2023

The Program of Work consists of the following, noting that a timeline for implementation would be developed by the SC once it has agreed to the priority projects across all of its Working Parties:

Table 1. Priority topics for obtaining the information necessary to deliver the necessary advice to the Commission. Resolution 11/04 and 16/04 elements have been incorporated as required by the Commission.

Topic	Sub-topic and project	Priority	Ranking	Lead/ Participation	Timing				
					2023	2024	2025	2026	2027
1. EMS Pilot Projects	Facilitation of EMS pilot projects in IOTC fisheries (LL, PS, PL, GN, and others) to ensure that ROP minimum data requirements are collected by EMS Cross validation of EM information with other data sources Identify needs and encourage pilots for new electronic tools and systems.	High	3	Scientist					
2. EM Minimum data	Agree on definitions	High	2	Scientist, vendors,					

Standards ¹			experts, stakeholders and managers					
Minimum technical specifications and equipment								
Data collection (including EM capabilities to collect ROP minimum data requirements) and storage								
Data transfer and logistical specifications								
Data analysis specification and data submission								
EM maintenance and functioning,								
EM data analysis, validation and quality control specifications								
Roles of EM users								
3. EM Programme Standards ²								
Objectives and Scope of the Programme	High	1 (In parallel with Item 2)	Managers, scientist, experts.					
Institutional structure and management								
EMS coverage and data review coverage								
Roles and responsibilities								

¹ To be discussed at a first WGEMS expert workshop with the participation of scientist, experts, vendors and stakeholders.

² To be discussed at a second WGEMS expert workshop between managers, scientist, and stakeholders.

	Specifications and Procedures								
	Timeframe for EMS implementation								
	Accreditation of EMS Systems/vendors								
	Data confidentiality, access and use								
	EMS Program cost								
4. Compatibility and Interoperability	Compatibility of IOTC databases and other collection platforms (e.g. VMS)	Medium	4	Secretariat/ scientist					
	Interoperability among different vendor's EMSs	Medium	5	Secretariat/ scientist					
5. Development of tools and innovative strategies	Artificial Intelligence and Machine learning for EMS data analysis	Low	7	Scientist/ Secretariat					
6. Capacity building	Capacity building	High	6	Secretariat/ Scientist/ managers					