

## APPENDIX V

### AD HOC WORKING GROUP ON THE DEVELOPMENT OF ELECTRONIC MONITORING PROGRAMME STANDARDS (2022–2026)

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				
					2022	2023	2024	2025	2026
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 Standards <sup>1</sup>	Agree on definitions	High	2	Scientist, vendors, 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								

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

	Roles of EM users									
3.	EM Programme Standards <sup>2</sup>	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								
		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					

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