

EBWG-3 Recommendations

SAC-16 Modified Recommendation to the Commission in *ITALIC*

A. The purpose of this document and its presentation during the meeting is to inform participants in the 4th meeting of the Permanent Working Group on Ecosystems and Bycatch (EBWG) of the progress made in implementing the recommendations adopted at its 3rd meeting. The first step in this process was the submission of these recommendations to the Scientific Advisory Committee (SAC), which adopted them with certain modifications before they were considered and endorsed, in that modified form, by the Commission at its 103rd meeting.

The table below highlights the differences between the original recommendations of the EBWG and the final recommendations as endorsed by the SAC. Whenever the original recommendations were modified, both versions are provided for comparison.

B. Regarding this process, a discussion arose during the 3rd meeting of the EBWG and resumed at the 17th meeting of the SAC¹. This led to the inclusion of a “Preliminary Note” in the document containing the SAC recommendations to the Commission, intended to clarify the issue while also recording the separate view of one delegation².

¹ See *SAC 17 Report*: " SAC participants discussed at length the role of the EBWG and process for consideration of its recommendations and were not able to reach a clear, common understanding. The key point of discussion was whether all EB's WG recommendations go directly to the SAC for possible endorsement for consideration by the Commission, whether EBWG recommendations not endorsed by the SAC were still sent to the Commission as EBWG recommendations, and whether and under what circumstances the EBWG could make recommendations directly to the Commission without consideration or endorsement by the SAC. Japan indicated that their interpretation of the EBWG TORs was that the EBWG could only make recommendations directly to the Commission in exceptional circumstances. The United States expressed doubt about that interpretation but said that they would need to check with their legal counsel before SAC-17 in order to have a more formal and definitive opinion. Guatemala expressed during the EBWG that their delegation could consider joining consensus on SAC endorsement of some of the EBWG recommendations, provided that the discussion could continue in the SAC, and with the understanding that the EBWG recommendations are intended for the consideration of the SAC; and that if this condition was not met, they would not be able to join consensus on the endorsement of any EBWG recommendations by the SAC."

² See Document IATTC-103-02 *Report and Recommendations of the 16th Meeting of the Scientific Advisory Committee* “ Preliminary Note

(a) The Scientific Advisory Committee (SAC) reviewed the report of the 3rd meeting of the Working Group on Ecosystem and Bycatch (EBWG), including its recommendations. Although SAC generally supported the recommendations, several suggestions and clarifications were raised and as a result SAC did not endorse the recommendations of EBWG3 as its entirety. Instead, SAC took all the recommendations from EBWG3, made necessary modifications, and adopted them as part of SAC recommendations.

(b) The SAC noted that the Terms of Reference of EBWG (Resolution C-22-06) states that EBWG recommendations may be submitted to the Commission directly, whenever they could not be considered and/or endorsed by the SAC or upon the request of the Commission itself (para. 3ii).

As stated in the Preliminary Note, it is for the Commission itself to dispel the ambiguity that the SAC identified in paragraph 3 of Resolution C-22-06. For that reason, the EBWG Co-Chairs and the Secretariat can neither resolve this issue nor attempt to do so.

C. However, for those not involved in that discussion, the nature of this ambiguity may be difficult to understand, since paragraph 3 appears, at first glance, to be clearly drafted and its meaning seems reasonably clear³.

In summary, the process described in paragraph 3 appears to have three distinct components:

1. First, only those recommendations adopted by the EBWG, and not those on which consensus could not be reached, may proceed to the next stage of the process.
2. Second, the general rule is that all adopted recommendations must be submitted to the SAC for endorsement, which implies that the SAC may modify them as necessary; otherwise, this step would serve no meaningful or practical purpose.
3. Third, there are two clearly distinct circumstances in which EBWG recommendations may be submitted directly to the Commission:

(c) Given that all the EBWG3 recommendations were reproduced as part of SAC recommendations with necessary modifications, the SAC agreed that it is not necessary for the original EBWG3 recommendations to be submitted to the Commission directly. The original EBWG3 report IATTC-103-02 Report and recommendations of the 16th meeting of the Scientific Advisory Committee 7 including its recommendations can be found in its meeting website.

(d) The SAC also noted that there is ambiguity in paragraph 3 of C-22-06 and, in fact, there were differences of opinion in its interpretation and implementation. The Commission may wish to clarify the intention of the said paragraph if deemed necessary.

(e) One member did not agree with the interpretation that the EBWG could not send forward recommendations to the Commission in the present circumstance and considers provision to allow direct forwarding to Commission in event that SAC does not reach consensus on endorsement because one or members do not join consensus.”

³ Resolution C-22-06 on Terms of Reference for a Working Group on Ecosystem and Bycatch, paragraph 3:

“ The conclusions and recommendations adopted by the EBWG:

- i. shall be submitted first of the Scientific Advisory Committee (SAC), for its consideration and endorsement and later submission to the Commission, as endorsed;
- ii. may be submitted to the Commission directly, whenever they could not be considered and/or endorsed by the SAC or upon the request of the Commission itself.”

- recommendations that the EBWG adopted and submitted to the SAC, but that the SAC could not endorse, either because there was no consensus for their endorsement, or because a circumstance prevented the SAC from considering them; and
- recommendations that the Commission requested directly from the EBWG.

Regardless of the conclusions the Commission may reach concerning the interpretation of paragraph 3, this issue does not affect the situation of the recommendations adopted by the 3rd meeting of the EBWG, since all of them could be considered by the SAC and all of them were endorsed by it with the modifications that it deemed necessary and was entitled to make in accordance with its mandate and functions.

1. Gear Innovation	1. Innovación de artes de pesca	Progress
<p>The EBWG recommends CPCs to make available to the SAC, through the IATTC scientific staff, any information they may have on the annular branches, including information on catch rates of target and non-target species, as well as other factors that can be used to assess this modification to longline fishing gear.</p>	<p>El GTECI recomienda que los CPC pongan a disposición del CCA, a través del personal científico de la CIAT, toda la información que puedan tener sobre las ramales anulares, incluyendo información sobre las tasas de captura de especies objetivo y no objetivo, así como otros factores que puedan utilizarse para evaluar esta modificación de las artes de pesca de palangre.</p>	<p>The IATTC staff, in collaboration with CPC scientists from Spain and Portugal, will be conducting an EU funded pilot project on the use of “traplines” in 2026-2027. Results of this project will be presented at the EBWG at due time.</p> <p>El personal de la CIAT, en colaboración con científicos de los CPC de España y Portugal, llevará a cabo un proyecto piloto financiado por la UE sobre el uso de "traplines" en 2026-2027. Los resultados de este proyecto se presentarán al GTECI en su debido momento.</p>

2. Organize workshops regarding Shark Conservation	2. Organización de talleres relacionados a Conservación de los Tiburones.	
Recommends that the IATTC Scientific Staff evaluate the need to organize workshops to facilitate information sharing, aligned with the objectives of the research plan for sharks referred to in Paragraph 15 of Resolution C-24-05, for discussion at the next EBWG.	Recomienda que el personal científico de la CIAT evalúe la necesidad de organizar talleres para facilitar el intercambio de información, en línea con los objetivos del plan de investigación de tiburones referido en el párrafo 15 de la Resolución C-24-05, para su discusión en el próximo GTECI.	
SAC-16 modification – Workshops regarding Shark Conservation	Modificación CCA-16 – Talleres relacionados a Conservación de los Tiburones	IATTC staff prepared doc SAC-17-09, which describes a proposed Shark Research Plan (SRP) in response to paragraphs 15 & 16 of R C-25-08. The SRP includes a timeline for different shark assessments for the key species referred to in the Resolution and includes efforts to resume the shark technical workshops, as appropriate. El personal de la CIAT elaboró el documento SAC-17-09, que describe un Plan de Investigación sobre Tiburones (PIT) propuesto en respuesta a los párrafos 15 y 16 de la Res. C-25-08. El PIT incluye un cronograma para diferentes evaluaciones de tiburones para las especies clave mencionadas en la Resolución e incluye esfuerzos para reanudar los talleres técnicos sobre tiburones, según corresponda
<i>The Commission consider instructing the Director to ensure that the scientific staff consider developing regional workshops for the exchange of data and information, with the aim of strengthening available scientific knowledge and promoting fisheries management practices based on results derived from population models, which contribute to the conservation of silky, blue, hammerhead and thresher sharks in the EPO.</i>	<i>Que la Comisión considere instruir al Director para asegurar que el personal científico considere desarrollar talleres regionales para el intercambio de datos e información, con el objetivo de fortalecer el conocimiento científico disponible y promover prácticas de ordenación pesquera basadas en resultados derivados de modelos poblacionales, que contribuyan a la conservación de los tiburones sedoso, azul, martillo y zorro en el OPO.</i>	
SAC-16 addition – Pilot Study for shark release devices (SAC 6.2)	Adición CCA-16 – Estudio piloto sobre dispositivos de liberación de tiburones (CCA 6.2)	
<i>(a) With the aim of strengthening efficient and safe mechanisms for the handling and release of sharks, it is recommended that the scientific staff, in collaboration with researchers associated with CPCs, continue</i>	<i>(a) Con el objetivo de fortalecer mecanismos eficientes y seguros para el manejo y liberación de tiburones, se recomienda que el personal científico, en colaboración con investigadores asociados a los CPC, continúe</i>	The IATTC staff, in collaboration with CPC scientists (i.e., AZTI), has prepared document SAC-17-INF-K in response to this request El personal de la CIAT, en colaboración con científicos de las CPC (es decir,

<p><i>to evaluate through a controlled pilot study the use of specific tools such as Velcro and harnesses and associated protocols for lifting large sharks from the caudal peduncle (except for whale sharks). (b) The pilot study should be designed with a rigorous experimental approach to determine the effectiveness and safety of these tools, the survival of individuals, and the safety of the crew, including the fishing industry and specialists experienced in handling and tagging large sharks. (c) The scientific staff submit the results of the pilot study to the EBWG and the SAC for consideration as a possible good practice for the management and release of incidentally caught sharks. (d) Given potential restrictions arising from existing measures, the SAC requests the Commission to clarify whether this pilot study could be carried out and under what circumstances, and to consider, if necessary, an update of Resolution C-24-05 on sharks. [Estimated financial resources: US\$ 175,000 — SAC-16 Annex.]</i></p>	<p><i>evaluando mediante un estudio piloto controlado el uso de herramientas específicas como Velcro y arneses y los protocolos asociados para levantar tiburones grandes desde el pedúnculo caudal (excepto tiburones ballena). (b) El estudio piloto debe diseñarse con un enfoque experimental riguroso para determinar la efectividad y seguridad de estas herramientas, la supervivencia de los individuos y la seguridad de la tripulación, incluyendo a la industria pesquera y especialistas con experiencia en manejo y marcado de tiburones grandes. (c) El personal científico presente los resultados del estudio piloto al GTECI y al CCA para su consideración como posible buena práctica para el manejo y liberación de tiburones capturados incidentalmente. (d) Dadas las posibles restricciones derivadas de las medidas vigentes, el CCA solicita a la Comisión aclarar si este estudio piloto puede realizarse y bajo qué circunstancias, y considerar, si fuese necesario, una actualización de la Resolución C-24-05 sobre tiburones. [Recursos financieros estimados: US\$ 175,000 — Anexo CCA-16.]</i></p>	<p>AZTI), ha elaborado el documento SAC-17-INF-K en respuesta a esta solicitud.</p>
<p>3.Seabird Action Plan</p>	<p>3. Plan de Acción para las Aves Marinas</p>	

<p>That the IATTC staff develop a seabird mitigation reporting template relative to compliance with Resolutions in force regarding mitigation measures for seabirds for consideration by the SAC, with due consideration to the operational feasibility of data collection.</p>	<p>Que el personal de la CIAT elabore una plantilla para la presentación de informes relativos al cumplimiento de las Resoluciones vigentes sobre mitigación de aves marinas para su consideración por el CCA, considerando debidamente la viabilidad operativa de la recopilación de datos.</p>	<p>IATTC staff prepared EB-04 INF-A.</p> <p>Additional support for the IATTC Seabird Action Plan (SAP), the staff prepared EB-04-02 (analysis of longline fisheries and seabirds overlap) and EB-04-05 (updated BHRPs).</p> <p>El personal de la CIAT elaboró el documento EB-04-INF-A. Como apoyo adicional al Plan de Acción para Aves Marinas (PAM) de la CIAT, el personal elaboró el documento EB-04-02 (análisis de la superposición entre las pesquerías de palangre y las aves marinas) y el EB-04-05 (Directrices de Mejores Prácticas de Manipulación y Liberación — BMPL — actualizadas).</p>
<p>4. Rays</p>	<p>4. Rayas</p>	
<p>In response to recommendation 6.1(b) by the IATTC SAC at its 15th meeting in 2024, the EBWG considers that the 7 ray species in Appendix X to these recommendations correspond to the species that have the greatest interactions with the fisheries under the competence of the IATTC in order to be considered for possible adoption by the Commission (Appendix X).</p>	<p>En respuesta a la recomendación 6.1(b) del CCA de la CIAT en su 15.ª reunión en 2024, el GTECI considera que las 7 especies de rayas de la Lista B de la Tabla 4 del documento SAC-16-08 corresponden a las especies que tienen las mayores interacciones con las pesquerías bajo la competencia de la CIAT a efecto de que pueda ser considerada su posible adopción por la Comisión (Apéndice X).</p>	<p>The IATTC staff prepared SAC-16-08, but no formal adoption occurred by the IATTC. The staff reiterates the recommendation to adopt the species list in SAC-16-08 (see SAC-17-11).</p> <p>El personal de la CIAT elaboró el documento SAC-16-08, pero la CIAT no realizó una adopción formal. El personal reitera la recomendación de adoptar la</p>

		lista de especies contenida en el SAC-16-08 (véase SAC-17-11).
SAC-16 addition – Sorting grids – 2nd regional workshop (SAC 6.3)	Adición CCA-16 – Rejillas de clasificación – 2º taller regional (CCA 6.3)	
<i>That the Director, in coordination with interested CPCs, organize a second regional workshop on the use of tuna sorting grids to consider all relevant information presented in document SAC-16 INF-M and existing literature, and ensure the participation of all relevant stakeholders, including global experts, fishermen, fleet owners, and net engineers and manufacturers. [Estimated financial resources: US\$ 50,000 — SAC-16 Annex.]</i>	<i>Que el Director, en coordinación con los CPC interesados, organice un segundo taller regional sobre el uso de rejillas de clasificación para atún para considerar toda la información relevante presentada en el documento SAC-16 INF-M y la literatura existente, y asegurar la participación de todas las partes interesadas, incluyendo expertos globales, pescadores, armadores e ingenieros y fabricantes de redes. [Recursos financieros estimados: US\$ 50,000 — Anexo CCA-16.]</i>	Funds have been confirmed to tentatively organize this meeting in Ecuador in late 2026 or early 2027. Se han confirmado fondos para organizar tentativamente esta reunión en Ecuador a finales de 2026 o principios de 2027.
5. Climate Change	5. Cambio climático	
The SAC recommend to the Commission to continue to support and implement the proposed Climate Change workplan, in collaboration with the IATTC staff, the EBWG and the SAC	Que el CCA recomiende a la Comisión que continúe apoyando e implementando el plan de trabajo propuesto sobre cambio climático, en colaboración con el personal de la CIAT, el GTECI y el CCA.	<u>SAC-17 INF-M. Updated Staff Draft Recommendations on Climate Change</u> <u>SAC-17 INF-M. Borrador actualizado del personal con recomendaciones sobre el Cambio Climático</u> The staff hosted a 2nd Climate Change workshop in Spring 2026. El personal organizó un 2.º taller sobre Cambio Climático en la primavera de 2026.

<p>SAC-16 addition – Climate change – Terms of Reference for workshops (SAC 7.b)</p>	<p>Adición CCA-16 – Cambio climático – Términos de Referencia para los talleres (CCA 7.b)</p>	<p>Canada submitted a proposal in this regard, but no formal adoption occurred in the 103rd IATTC meeting in 2025. Canadá presentó una propuesta al respecto, pero no se produjo una adopción formal en la 103.^a reunión de la CIAT en 2025.</p>
<p><i>(a) That the Commission consider for adoption the list of revised IATTC staff recommendations of the main goal, scope, and framework (see document SAC-16 INF-P) of the IATTC’s proposed climate change workplan (document SAC-15-12).</i></p>	<p><i>a) Que la Comisión considere la aprobación de la lista de recomendaciones revisadas del personal de la CIAT sobre el objetivo principal, el alcance y el marco (véase el documento SAC-16 INF-P) del plan de trabajo propuesto por la CIAT en materia de cambio climático (documento SAC-15-12).</i></p>	
<p><i>(b) That the Commission consider adopting the Terms of Reference proposed by the IATTC staff (see document IATTC-102 INF-B) to guide the series of climate change workshops aimed to facilitate staff and stakeholder engagement during the development of the proposed climate change workplan (document SAC-15-12).</i></p>	<p><i>(b) Que la Comisión considere adoptar los Términos de Referencia propuestos por el personal de la CIAT (véase el documento IATTC-102 INF-B) para guiar la serie de talleres sobre cambio climático destinados a facilitar la participación del personal y de las partes interesadas durante el desarrollo del plan de trabajo propuesto sobre cambio climático (documento SAC-15-12).</i></p>	
<p>6. Characterization and Classification of longline fleets in IATTC Convention area</p>	<p>6. Caracterización y Clasificación de la Flota Palangrera en la CIAT:</p>	
<p>1. That the work initiated and described in document SAC-16-09 be continued, so that in coordination with the CPCs, field work and more precise evaluations on individual aspects of each fleet, the different segments exclusively of the longline fleets targeting the species under the Commission's mandate can be distinguished.</p>	<p>1. Que se continúen los trabajos iniciados y descritos en el documento SAC-16-09, para que, en coordinación con las CPC, trabajos de campo y evaluaciones más precisas sobre aspectos individuales de cada flota, se distingan los diferentes segmentos exclusivamente de las flotas palangreras dirigidas a las especies bajo el mandato de la Comisión.</p>	<p>The IATTC staff prepared document SAC-17-07 in response to this request. El personal de la CIAT elaboró el documento SAC-17-07 en respuesta a esta solicitud.</p>

<p>2. For fleets less than 20 meters in length, greater precision and standardization of the different components estimated by each flag state is required, to the extent possible.</p>	<p>2. Para las flotas de menos de 20 metros de eslora se requiere mayor precisión y estandarización de los diferentes componentes estimados por cada estado de pabellón, en la medida de lo posible.</p>	
<p>3. For fleets of more than 20 meters in length, additional differentiating elements related to tonnage, autonomy, technology used, and other additional components that are considered pertinent, not described in document SAC-16-09, should be specified, to the extent possible.</p>	<p>3. Para las flotas de más de 20 metros de eslora, se requiere precisar elementos diferenciadores adicionales relativos a tonelaje, autonomía, tecnología utilizada, y otros componentes adicionales que se estimen pertinentes, no descritos en el documento SAC-16-09, en la medida de lo posible.</p>	
<p>7. Ecocards</p>	<p>7. Ecocards</p>	
<p>The Working Group recommends continuing collaboration with other tRFMOs to establish criteria for delineating ecoregions and to develop indicators, including socioeconomic.</p>	<p>El Grupo de Trabajo recomienda continuar la colaboración con otros OROP para establecer criterios para delinear ecorregiones y desarrollar indicadores, incluyendo socioeconómicos</p>	<p>The IATTC staff prepared document EB-04-03 in response to this request. El personal de la CIAT elaboró el documento EB-04-03 en respuesta a esta solicitud.</p>
<p>8. Collection of information:</p>	<p>8. Colecta de Información:</p>	
<p>Continue the process of collecting information, in particular on mortality and utilization of sharks and other non-tuna species, relative to coastal fisheries in the EPO, related to the Presentation “Considerations for an IATTC shark data collection program” (Presentation 5c.iv).</p>	<p>Continuar el proceso de colecta de información, en particular de mortalidad y aprovechamiento de tiburones y otras especies distintas de los túnidos, relativos a las pesquerías costeras en el OPO, relacionado en la Presentación Consideraciones para un programa de recolección de datos de tiburones en la CIAT (Presentación 5c.iv)</p>	<p>The IATTC staff prepared document SAC-17-09, Shark Research Plan, in response to this request. The Shark Research Plan includes a component of shark data collection and sampling, including small-scale coastal fisheries. In addition, staff presentation (7.ii) on silky shark post release survival in small purse seiners at EBWG4</p>

		<p>El personal de la CIAT elaboró el documento SAC-17-09, Plan de Investigación sobre Tiburones, en respuesta a esta solicitud. El Plan de Investigación sobre Tiburones incluye un componente de recopilación de datos y muestreo de tiburones, incluyendo las pesquerías costeras de pequeña escala.</p> <p>Asimismo, el personal presentó la presentación (7.ii) sobre la supervivencia post-liberación del tiburón sedoso en embarcaciones cerqueras de pequeña escala en GTECI4.</p>
<p><u>9. 2nd Circle hook Workshop Cleared Recommendations regarding Res C-19-04</u></p>	<p><u>9. Anzuelos Circulares: En relación al Segundo Taller sobre la Resolución C-19-04:</u></p>	
<p>A. Circle Hook Minimum Size:</p>	<p>A. Tamaño mínimo de los anzuelos circulares:</p>	
<p>The Working Group acknowledged, in response to the Commission’s request regarding Resolution C-19-04, to determine a minimum size for large circle hooks, that it is currently difficult to agree upon a single, appropriate minimum size.</p>	<p>El grupo de trabajo reconoció, en respuesta a la solicitud de la Comisión sobre la Resolución C-19-04 de determinar un tamaño mínimo para los anzuelos circulares grandes, que actualmente es difícil acordar un tamaño mínimo único y apropiado.</p>	
<p>That the SAC consider urging each CPC to continue to collect information, in the format of their choice, on the size (including manufacturer standards) of circle hooks, impacts of circle hooks on target and non-</p>	<p>Que el CCA considere instar a cada CPC a que continúe recopilando información, en el formato que elija, sobre el tamaño de los anzuelos circulares (incluyendo las normas del fabricante), el impacto de estos en las</p>	

<p>target species (including catch rates and post-release mortality), and other relevant information, and report updates on this information to the IATTC scientific staff, through the Director, with a view to considering a comprehensive bycatch management strategy in the future, if possible.</p>	<p>especies objetivo y no objetivo (incluyendo las tasas de captura y la mortalidad posterior a la liberación), y otra información pertinente, y a que informe sobre las actualizaciones al personal científico de la CIAT, a través del Director, con miras a considerar una estrategia integral de gestión de la captura incidental en el futuro, si fuese posible.</p>	
<p>B. Third mitigation option:</p>	<p>B. Sobre una Tercera opción de mitigación:</p>	
<p>The EBWG recommends the scientific staff will collaborate with the EBWG, SAC and CPCs to provide options for the development of a third mitigation measure to reduce sea turtle bycatch, that takes into consideration the needs of different fleets and impacts on different taxa, for consideration by the SAC at its future meetings.</p>	<p>Con base en la información proporcionada por los CPC y el personal de la CIAT, el GTECI recomienda que el personal científico colabore con el GTECI, el CCA y los CPC para desarrollar opciones para una tercera medida de mitigación para reducir la captura incidental de tortugas marinas, que tome en consideración las necesidades de las diferentes flotas y los impactos en diferentes taxones, para su consideración por el SAC en sus futuras reuniones.</p>	<p>The IATTC staff prepared document EB-04-04 in response to this request.</p> <p>El personal de la CIAT elaboró el documento EB-04-04 en respuesta a esta solicitud.</p>
<p>SAC-16 modification – Third mitigation option (sea turtles)</p>	<p>Modificación CCA-16 – Tercera opción de mitigación (tortugas marinas)</p>	
<p><i>The Commission consider recommending that the scientific staff of IATTC and the SAC develop, as necessary, alternatives for the development of a third mitigation option, taking into account the needs of the different fleets and the impacts on the different taxa, as well as measures that have proven to be effective in reducing sea</i></p>	<p><i>Que la Comisión considere recomendar que el personal científico de la CIAT y el CCA desarrollen, según sea necesario, alternativas para el desarrollo de una tercera opción de mitigación, tomando en consideración las necesidades de las diferentes flotas y los impactos en los diferentes taxones, así como medidas que</i></p>	

turtle catches, and that do not affect the catch of the target species.	hayan demostrado ser eficaces para reducir las capturas de tortugas marinas, y que no afecten la captura de las especies objetivo.	
C. Best Handling and Release Practices for sea turtles	C.Mejores prácticas de manipulación y liberación para las tortugas marinas	
That as soon as possible, the working group consider, if necessary, making recommendations regarding the updating of best practice guidelines for sea turtle handling and release practices for all IATTC fisheries.	A la mayor brevedad posible, que el grupo de trabajo considere, si fuere necesario, hacer recomendaciones en relación a la actualización de las directrices de las mejores prácticas de manipulación y liberación de las tortugas marinas para todas las pesquerías de la CIAT.	The IATTC staff prepared document EB-04-03 in response to this request. El personal de la CIAT elaboró el documento EB-04-03 en respuesta a esta solicitud.
Appendix X. Ray species recommended by IATTC scientific staff to be considered as an interim list of ray species to be considered under the purview of the IATTC	Apéndice X. Especies de rayas recomendadas por el personal científico de la CIAT para su inclusión en la lista provisional de especies sujetas a la competencia de la CIAT	
Family/Familia	Species/Especies	Common name
Dasyatidae	<i>Pteroplatytrygon violacea</i>	Pelagic stingray
Mobulidae	<i>Mobula alfredi</i>	Alfred manta
Mobulidae	<i>Mobula birostris</i>	Giant manta
Mobulidae	<i>Mobula mobular</i>	Spinetail devil ray
Mobulidae	<i>Mobula munkiana</i>	Munk's devil ray
Mobulidae	<i>Mobula tarapacana</i>	Sicklefin devil ray
Mobulidae	<i>Mobula thurstoni</i>	Bentfin devil ray