

Report Chapter	Recommendations	LEAD	Responsible ICCAT Body														Timeframe	Proposed next steps	Observations/ Comments	
			COM	PA 1	PA 2	PA 3	PA 4	COC	STACFAD	SCRS	PWG	SWGSM	CWG	FAD WG	SEC	CPCs				
2. Conservation and Management																				
Trends in the Status of Non-Target Species	4. The Panel recommends that the precautionary approach be consistently applied for associated species considering that the assessments for these species are highly uncertainty and that their status is often poorly known.	PA4					X				X							M	While led by Panel 4, refer to SCRS to provide advice to assist in applying a precautionary approach to relevant non-target species.	This refers to relevant associated species as defined in the Review.
Data Collection and Sharing	5. The Panel recommends that the possible non-reporting of incidental catches by vessels not on CPCs authorised list should be investigated by the Compliance Committee.	COC							X									M	Refer to the COC for appropriate action.	PR Panel believes that this is unlikely to be a major problem (pg 10).
	6. The Panel recommends that a mechanism be found to allow minor occasional harvesters without allocations to report their catches without being subject to sanctions.	COC		X	X	X	X	X				X						M	Refer matter to the COC in cooperation with the other relevant bodies for consideration and also to the Panels as the issue could also be addressed in the context of management recommendations.	Overall efforts should be coordinated initially by the PWG.
	6bis. The Panel concludes that ICCAT scores well in terms of agreed forms and protocols for data collection but, while progress has been made, more needs to be done particularly for bycatch species and discards.	SCRS		X	X	X	X	X				X	X					M		
	7. The Panel considers that major progress in data availability is necessary and recommends that substantial improvements in data quality and data completeness can only be achieved by simplifying and automating the process of collecting data in a systematic and integrated way. This may not be possible for artisanal fleets, but should be possible for most of the fleets in developed CPCs.	SCRS										X					X	X	S	Secretariat and SCRS should collaborate to identify the existing shortcomings in data collection and reporting processes, procedures, and mechanisms at the Commission level as well as possible improvements.
Adoption of Conservation and Management Measures																				
	8. The Panel confirms that the management of fisheries on this stock by ICCAT is consistent with the objective of the Convention of maintaining stocks at BMSY.	NOAC																	NOAC	SCRS is conducting a new stock assessment in 2017.

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Eastern Bluefin	9. The Panel recommends that Panel 2 takes advantage of this favourable context to resolve outstanding quota allocation issues among CPCs.	PA2			X													S	Refer to Panel 2 for consideration when discussing revisions to Rec. 14-04.	Some provisions of Rec. 14-04 expire in 2017.
Western Bluefin	10. The Panel confirms that the management of fisheries on this stock by ICCAT is consistent with the objective of the Convention of maintaining stocks at BMSY.	NOAC																	NOAC	This observation is true for the low recruitment scenario only. A new stock assessment is being conducted in 2017.
	11. The Panel considers that the management of fisheries on this stock by ICCAT is not consistent with the objective of the Convention of maintaining stocks at BMSY as the probability of rebuilding in more than 10 years is less than 50%.	NOAC																	NOAC	Next stock assessment planned for 2018.
	12. The Panel recommends that bigeye, which is fished in association with juvenile yellowfin and skipjack on FADs, should form part of the long term management strategy for the tropical tuna stocks.	SWGSM		X						X		X		X				S/M	Refer to SWGSM where work is already ongoing.	FAD WG should also work on this in association with Panel 1
	13. The Panel recommends that, in view of the current poor status of the stock, the sustainable management of the tropical tunas should be a key immediate management priority for ICCAT. The same commitment devoted to eastern bluefin by ICCAT, should now be addressed to the tropical tuna stocks.	PA1		X														S	Refer to Panel 1 to review implementation of Rec. 15-01 (as revised by Rec. 16-01) in 2017 and consider any necessary action. The Panel should further review BET management measures and take appropriate action in light of new scientific advice stemming from the next assessment.	Paragraph 6 of recs 15-01 and 16-01 require review of management measures if the total catch exceeds the TAC.

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Bigeye	14. The Panel notes that the lowered TAC has only a 49% probability of rebuilding the stock by 2028 and recommends that the TAC be decreased further to increase the probability of rebuilding in a shorter period.	PA1		X														S	Refer to Panel 1 to review implementation of Rec. 15-01 (as revised by Rec. 16-01) in 2017 and consider any necessary action. The Panel should further review BET management measures and take appropriate action in light of new scientific advice stemming from the next assessment.	Paragraph 6 of Recs. 15-01 and 16-01 require review of management measures if the total catch exceeds the TAC.	
	15. The Panel, noting that ICCAT has established a working group on FADs, recommends that ICCAT prioritise this work and, in parallel, pursue the initiative across all tuna RFMOs to pool the information, knowledge and approaches on how to introduce effective management of FADs into the tropical tuna fisheries on a worldwide scale.	PA1		X							X				X				S	Work on matters related to FADs is already underway, in particular within the context of the FAD WG. This should continue and Panel 1 should consider this work when discussing conservation and management measures for tropical tuna fisheries.	FAD WG should also work on this in association with Panel 1
	16. The Panel notes that, according to the SCRS, the area and time closure has not worked and therefore its impact on reducing juvenile catches of bigeye and yellowfin, is negligible. The Panel recommends that this policy needs to be re-examined and this can, in part, be done through initiatives on limiting the number and use of FADs.	PA1		X											X				S	Refer to Panel 1 for consideration when reviewing conservation and management measures for the tropical tunas fishery.	Additional information on this matter is expected from SCRS and FAD Working Group which has already started work on this issue.
Yellowfin	17. The Panel considers that the management of fisheries on this stock by ICCAT is consistent with the objective of the Convention of maintaining stocks at BMSY because fishing mortality is less than FMSY.	NOAC																	NOAC	Next stock assessment planned for 2021.	
	18. The Panel recommends that yellowfin, which is fished in association with juvenile bigeye and skipjack on FADs, should form part of the long term management strategy.	SWGSM		X							X		X		X				S/M	Refer to SWGSM where work is already ongoing.	FAD WG should also work on this in association with Panel 1.

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	19. The Panel recommends that a quota allocation scheme be adopted by ICCAT to manage the fishery, as is already the case for bigeye.	PA1		X														S/M	Refer to Panel 1 for annual review of the implementation of Rec. 15-01 as revised by Rec. 16-01 and consider any necessary action. The Panel should further review YFT management measures and take appropriate action in light of new scientific advice stemming from the next assessment.	Paragraph 11 of Recs. 15-01 and 16-01 require review of management measures if the total catch exceeds the TAC.
Skipjack	20. The Panel considers that the management of fisheries on this stock by ICCAT is consistent with the objective of the Convention of maintaining stocks at BMSY.	NOAC																	NOAC	Next stock assessment planned for 2019.
	21. The Panel recommends that skipjack, which is fished in association with juvenile yellowfin and bigeye on FADs, should form part of the long term management strategy.	SWGSM		X							X		X					S/M	Refer matter to SWGSM where work is already ongoing.	FAD WG should also work on this in association with Panel 1
	22. The Panel recommends that vessels which fish bigeye, yellowfin and skipjack tunas in the Convention area should be covered by Rec. 15-01. For reasons that are not clear to the Panel, skipjack fisheries in the West Atlantic seem to be outside the remit of Rec. 15-01.	PA1		X															M	Refer to Panel 1 for annual review of the implementation of Rec. 15-01 (as revised by Rec. 16-01). The Panel should further review SKJ management measures and take appropriate action in light of new scientific advice stemming from next assessment.

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North Atlantic Swordfish	23. The Panel confirms that the management of fisheries on this stock by ICCAT is consistent with the objective of the Convention of maintaining stocks at BMSY.	NOAC																		NOAC	SCRS is conducting a new stock assessment for NSW in 2017.
	24. The Panel recommends that ICCAT vessel list be introduced for North Atlantic swordfish in line with other key ICCAT fisheries.	Complete																	✓	Action has been completed.	Included in Rec. 16-03.
South Atlantic Swordfish	25. The Panel confirms that the management of fisheries on this stock by ICCAT is consistent with the objective of the Convention of maintaining stocks at BMSY.	NOAC																	NOAC	SCRS is conducting a new stock assessment for SSWO in 2017.	
	26. The Panel recommends that an ICCAT vessel list be introduced for South Atlantic swordfish in line with other key ICCAT fisheries.	Complete																✓	Action has been completed.	Included in Rec. 16-04.	
	27. The Panel notes the high underage permitted to be transferred from year to year of 30%, and indeed 50% from 2013. The Panel finds this inconsistent with sound management given the high uncertainty in the assessment, and the more modest underage/overage allowed for other ICCAT stocks (10 or 15%).	PA4					X				X							S/M	Refer to Panel 4 for consideration during 2017 discussion of conservation and management measures, but may need input from SCRS in medium term.	Rec. 16-04 expires in 2017.	
Mediterranean Swordfish	28. The Panel expresses concern at the continuing unsatisfactory status of this stock. The stock is overfished and overfishing is occurring. It is unclear whether the current management is in line with the objective of the Convention of maintaining stocks at BMSY.	NOAC																	NOAC	Next stock assessment planned for 2019.	
	29. The Panel recommends that catch limits and/or capacity limits are introduced for this fishery.	PA4					X											M	Refer to Panel 4 where work is already ongoing.	This was addressed during the 2016 Annual meeting through the adoption of Rec. 16-05 (Recovery plan).	

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	30. The Panel encourages ICCAT to intensify its efforts to improve the scientific and fisheries database for this stock and endorses the SCRS recommendation that the fishery be closely monitored and that every component of the Mediterranean swordfish mortality be adequately reported to ICCAT by the CPCs.	PA4					X										X	M	Refer to Panel 4 to consider shortcomings in data collection and reporting and ways to address them.	COC, SCRS, the Secretariat, and/or CPCs may also have roles to play in implementing this Recommendation. SCRS will carry out an assessment in 2019.
Northern Albacore	31. The Panel confirms that the management of fisheries on this stock by ICCAT is consistent with the objective of the Convention of maintaining stocks at BMSY.	NOAC																	NOAC	Next stock assessment planned for 2020.
	32. The Panel commends ICCAT for the approach that it has adopted on this stock through the fixing of the management objective and the commitment to deciding on the harvest control rules.	NOAC																		NOAC. Note is taken on the commitment to continue this work.
Southern Albacore	33. The Panel confirms that the management of fisheries on this stock by ICCAT is not quite consistent with the objective of the Convention of maintaining stocks at BMSY.	NOAC																	Not referred to Panel because original statement was based on a previous assessment.	SCRS has since assessed this stock and results are different. Next stock assessment planned for 2020.

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Mediterranean Albacore	34. The Panel notes that there are still no reliable estimates of whether the stock is over fished or if overfishing is occurring.	NOAC																	NOAC	Stock is being assessed in 2017.
	35. The Panel reiterates the 2008 Panel recommendation that ICCAT assures itself that the stock is not overfished and over fishing is not occurring.	PA2			X						X								S	Refer to Panel 2 for consideration in 2017 of conservation and management measures in light of assessment outcome.
Blue and White Marlins	36. The Panel confirms that the management of fisheries on these stocks by ICCAT is not consistent with the objective of the Convention of maintaining stocks at BMSY.	NOAC																NOAC	Next stock assessment for BUM planned for 2018 and WHM for 2019.	
	37. The Panel considers that ICCAT should reinforce its compliance actions, as Rec. 15-05 will not deliver results as long as the severe under-reporting continues.	COC						X									X	S	Refer matter to COC for review of compliance with data reporting and other billfish obligations and recommend any needed actions.	SCRS has been tasked to provide the Commission with a data improvement plan for billfish in 2017, which will inform discussions of this matter in the Panel.
	38. The Panel supports the SCRS advice that ICCAT actively encourage, or make obligatory, the use of non-offset circle hooks on long line fisheries to reduce the mortality of released marlin.	PA4					X				X							S/M	Refer to Panel 4 for consideration when discussing stock conservation and management based on new stock assessments.	
Sharks	39. The Panel is not in a position to confirm that the management of fisheries on shark stocks by ICCAT is consistent with the objective of the Convention of maintaining stocks at BMSY. There remain major uncertainties underlying all the shark assessments.	NOAC																NOAC	SFM shark is being assessed in 2017; BSH assessment is planned for 2021, and Porbeagle (SW stock) in 2019.	
	40. The Panel recommends that ICCAT introduces catch limits as a priority for the main shark populations, in line with the SCRS advice. To ensure effective application of this measure, a quota allocation scheme should be developed.	PA4					X											S/M	Refer to Panel 4 for consideration in light of new assessments.	
	41. The Panel recommends that the Compliance Committee should prioritise the issue of data reporting on sharks, as well as poor reporting on the blue and white marlin stocks.	COC						X										S	Refer to COC for consideration and appropriate action.	

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	42. The Panel supports the view that shark fins should be naturally attached on landings. The shark finning practice applied to stocks already depleted or severely reduced, is but another factor negatively impacting on the shark stocks.	PA4					X											S	Refer to Panel 4 for consideration and appropriate action.	The origin of this view is not clear from this statement.
Precautionary Approach	43. The Panel considers that on the basis of the stock by stock analysis contained in section 2, ICCAT has not applied in a consistent manner the precautionary approach. ICCAT has based its management on the best available scientific advice, when assessments were considered reliable, but has generally not applied the precautionary approach where scientific information is uncertain, unreliable or inadequate.	NOAC																	NOAC	
	44. The Panel recommends (a) that the content of Res. 15-12 be transformed into an ICCAT recommendation and (b) that the new Convention contains an explicit commitment to apply the precautionary approach.	COM	X																S/M	(a) Refer to the Commission for consideration and appropriate action.
	45. The Panel considers the adoption of Rec. 15-07 on harvest control rules and management strategy evaluation, and Rec. 15-04 on establishing harvest control rules for northern albacore, to be an important first step in agreeing long term strategies.	NOAC																	Work underway in SWGSM; also relevant to the future work of the Panels.	Rec. 15-04 was replaced by 16-06.
	46. The Panel considers that ICCAT, with its vast experience in tuna fisheries management, is ideally placed to be the pioneer in the rapid introduction of long term management strategies to ensure the sustainability of individual stocks and consistency of management approach across the range of stocks.	NOAC																	Refer to SWGSM where work is already underway; also relevant to the future work of the Panels.	

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Rebuilding Plans	47. The Panel recommends that ICCAT move away from the current re-active management to re-redress the status of stocks through re-building plans, to a more pro-active policy of developing comprehensive long term management strategies for the main stocks. Such management strategies would encompass management objectives, harvest control rules, the stock assessment method, fishery indicators and the monitoring programme.	SWGSM		X	X	X	X				X		X						S/M	Refer to SWGSM where work is already underway; also relevant to the future work of the Panels.	
	48. The Panel recommends that ICCAT should prioritise the development of a long term management strategy for the tropical tuna stocks.	SWGSM									X		X						S/M	Refer to SWGSM and Panel 1 where work is already underway.	
	49. The Panel recommends that ICCAT agree a work plan across all the stocks for the SCRS and Commission, as has been agreed by WCPFC. Apart from the obvious advantage of ensuring consistency of approach across the stocks, it would also engage all the CPCs simultaneously in this key process.	SCRS	X								X		X						S	Refer to SCRS to consider development of a workplan across all stocks.	The road map adopted by the Commission in 2016 provides the foundation for this work.
	50. The Panel considers that ICCAT, by Rec 13-11, has put in place strict measures, which if effectively applied by CPC vessels, will lead to a reduction in turtle by-catch.	NOAC																		NOAC	
	51. The Panel endorses the SCRS advice that the Commission consider the adoption of measures such as, the mandatory use of non- offset circle hooks.	PA4					X												S	Refer to Panel 4 for consideration.	Not clear that this is a recommendation from the SCRS.
	52. The Panel considers that this issue affects all tuna RFMOs, and knowledge and experience should continue to be pooled between the RFMOs.	SCRS									X								S/M	Refer to SCRS to engage as appropriate with other tRFMOs and gather and evaluate relevant information.	Should be considered within Kobe process.

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Seaturtles	53. The Panel noted that there are no reliable estimates of the mortality caused by longlines on these species and recommends that a time-limited program be designed to estimate seabird and turtle mortality in ICCAT longline fisheries. This programme should be of at least one year duration and involve increased observer coverage deemed sufficient to estimate turtle and seabird mortality by all major fleets. Such increased observer coverage would also provide information on the impact of ICCAT fisheries on other components of the ecosystem.	SCRS										X							M	Refer to SCRS to assess the rationale for this recommendation and if necessary and appropriate, to consider development of a program of data collection for the fisheries concerned.	Some work in this area is already ongoing within SCRS.
Seabirds	54. The Panel commends ICCAT on the measures it has introduced to date and recommends that it pursues its stated goal of further reducing bird mortality through the refinement of existing mitigation measures.	PA4					X					X							S/M	Refer to Panel 4 for consideration based on input from SCRS, as needed.	
	55. The Panel considers that this issue affects all tuna RFMOs, and knowledge and experience should continue to be pooled between the RFMOs.	SCRS										X							S	Refer to SCRS to engage as appropriate with other tRFMOs and gather and evaluate relevant information.	Should be considered within Kobe process.
	56. The Panel reiterates its recommendation on a time-limited programme to estimate seabird and turtle mortality in ICCAT longline fisheries.	SCRS										X							M	See recommendation 53 above for proposed action.	
Pollution, Waste and Discarded Gears	57. The Panel notes the measures adopted by ICCAT to date and recommends that ICCAT expands the range of its measures addressing these policy matters. In this regard, the Panel would refer to CCAMLR CM 26-01 on general environmental protection during fishing.	COM	X					X				X							M	Refer to the Commission for consideration. FAD WG also addressing this issue, and should be guided by Panel 4. Work also being carried out through Kobe process.	
	58. Considering the important role played by the sport and recreational fisheries in a number of key fisheries, notably billfishes, the Panel recommends that:	NOAC																		NOAC	

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Previously Unregulated Fisheries	a) the Working Group is re-activated to complete its mandate; and	COM	X															S	Refer to the Commission for consideration	Lack of the submission of relevant information on recreational fisheries by many CPCs has limited the utility of this Working Group.		
	b) mechanisms are developed by ICCAT to engage this sector in the deliberations of ICCAT on management and control measures for these fisheries.	COM	X															X	M	Refer to the Commission for consideration	CPC's have an important role in engaging their stakeholders on ICCAT matters.	
Capacity Management	59. The Panel considers that ICCAT under its mandate has judiciously applied the limitation of capacity approach to the fisheries. ICCAT has introduced capacity limitations to three key fisheries, namely, eastern bluefin tuna, bigeye and northern albacore.	NOAC																		NOAC		
	60. The Panel understands that ICCAT has demonstrated a preference for managing fisheries on the basis of TAC and quotas, but that for certain stocks it has incorporated capacity measures to complement the catch restrictions. The Panel considers this approach to have been effective.	NOAC																			NOAC	
Compatibility of Management Measures	61. The Panel considers that ICCAT does not need to take any action on the compatibility issue. The Convention is quite clear that the "Convention Area" includes all waters of the Atlantic and adjacent seas. The Panel thus considers that conservation and other measures adopted by ICCAT apply without distinction to both the exclusive economic zones of CPCs and the high seas	NOAC																		NOAC	NOAC	This information should be included in Annual Reports, no additional follow up required.
	62. The Panel considers that it is a major strength of ICCAT, compared to other tuna RFMOs, that the ICCAT mandate is framed in that manner. It ensures that a uniform and consistent implementation of the ICCAT measures is applied throughout the Atlantic and adjacent seas, and crucially, that the management of fisheries on the stocks is consistent throughout their migratory range.	NOAC																			NOAC	

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Fishing Allocations and Opportunities	63. The Panel considers that there are legitimate expectations among Developing CPCs that quota allocation schemes need to be reviewed periodically and adjusted to take account of a range of changing circumstances, notably, changes in stock distribution, fishing patterns and fisheries development goals of Developing States.	COM	X	X	X	X	X											S/M	Refer to Panels for consideration and appropriate action. Commission to coordinate action among the Panels.	
	64. The Panel considers it appropriate that quota allocation schemes should have a fixed duration, up to seven years, after which they should be reviewed and adjusted, if necessary.	COM	X	X	X	X	X											S/M	Refer to Panels for consideration and appropriate action. Commission to coordinate action among the Panels.	
	65. In determining quota allocation schemes in the future, the Panel proposes that ICCAT could envisage establishing a reserve within new allocation schemes (for instance, a certain percentage of the TAC), to respond to requests from either new CPCs or Developing CPCs, which wish to develop their own fisheries in a responsible manner.	COM	X	X	X	X	X											S/M	Refer to Panels for consideration and appropriate action. Commission to coordinate action among the Panels.	
3. Monitoring, Control and Surveillance (MCS)																				
Port State Measures	The Panel recommends that ICCAT																			
	66. Encourages its CPCs to become Contracting Parties to the PSM Agreement.	COM	X														X	S		
	67. Amends Rec 12-07 to ensure more consistency with the PSM Agreement, in particular by including definitions and requiring CPCs to impose key port State measures such as denial or use of port in certain scenarios.	PWG										X							S	Refer to PWG for consideration and appropriate action.
68. Closely follows IOTC's efforts to enhance effective implementation of its port State measures through, inter alia, its e-PSM system, and, where appropriate, adopt similar efforts within ICCAT.	PWG										X							S/M	Refer to Online Reporting Working Group for analysis.	

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	69. Make more efforts to assess substantive compliance with its port State measures and to specify consequences for non-compliance.	COC						X			X							S	Refer to PWG to review implementation and determine any technical improvements that might be needed. Refer to COC to consider any issues non-compliance and recommend appropriate actions.	
Integrated MCS Measures	The Panel recommends that ICCAT																			
	70. Gives priority to adopting a modern HSBI scheme - through a Recommendation and not a Resolution - that extends to all key ICCAT fisheries as such, but can be applied in practice to selected fisheries according to the COC's compliance priorities.	PWG									X							M	Refer to the PWG as work on this matter is ongoing.	
	71. Evaluates the need and appropriateness of further expanding coverage by national and non-national on-board observers for fishing and fishing activities.	PWG		X	X	X	X				X							M	Refer to PWG for consideration and also the Panels as observer program requirements can be and some have been agreed as part of management measures for specific fisheries.	SCRS evaluation of current observer program requirements is pending due to lack of reporting.
	72. Considers expanding VMS coverage, adopting uniform standards, specifications and procedures, and gradually transforming its VMS system into a fully centralized VMS.	PWG		X	X	X	X				X							S	Refer to PWG for consideration as Rec. 14-07 must be reviewed per para 6 in 2017. Also refer to the Panels as VMS requirements can be and some have been agreed as part of management measures for specific fisheries.	
73. Works towards replacing all SDPs with electronic CDPs that are harmonized among tuna RFMOs where appropriate - in particular for bigeye tuna - while taking account of the envisaged FAO Voluntary Guidelines on Catch Documentation Schemes.	PWG										X							M	Refer to PWG for further analysis.	PWG has discussed this issue periodically in recent years.

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	74. Considers, in the interest of transparency, incorporating all measures relating to distinct MCS measures - in particular transshipment and on-board observers - in one single ICCAT Recommendation, so that CPCs have only one reference document to consult.	PWG									X							M	Refer to PWG for assessment of the pros and cons of this approach.	
	75. Assesses whether, in relation to transshipment, the differences in minimum vessel-lengths in Recs 12-06 and 13-13 have created a potential loophole.	Complete																✓	Action has been completed.	Addressed in Rec. 16-15.
4. Compliance and Enforcement																				
Flag State Duties	76. The Panel considers that the Flag State duties recognized in international fisheries law are adequately reflected in current ICCAT recommendations.	NOAC																	NOAC	
	77. The Panel has no view as to whether such responsibilities are being executed correctly, as it does not have information at its disposal in ICCAT to form a judgement.	NOAC																		NOAC
Cooperative Mechanisms to Detect and Deter Non- Compliance	78. The Panel recommends that the COC should identify key compliance priorities across the range of different fisheries, and programme its work accordingly. Identification of non-respect of reporting requirements or incomplete reporting by CPCs should be entrusted to the ICCAT secretariat and its report submitted to COC in advance of the Annual meeting.	COC						X								X		S	COC should consider this matter in light of the terms of recently adopted Rec. 16-22.	
	79. The Panel recommends that independent information from the fisheries, through inspections at sea and in port, and through effective observer programmes, are made available to the COC, in order for the COC to conduct an effective compliance assessment.	PWG						X			X							X	M	Refer to PWG to consider if there are technical reasons for implementation failures and how to address them if so; Refer to COC to consider extent of any non-compliance and recommend appropriate action.

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	80. The Panel recommends that ICCAT lists be established for the northern and southern swordfish fisheries. As mentioned previously, CPCs are obliged in accordance with Rec 03-12 to maintain an up-to-date record of fishing vessels authorised to fish species under the purview of ICCAT, so the establishment of an ICCAT list is no additional burden for the CPCs involved.	Complete																✓	Action has been completed	Included in Rec. 16-03 and 16-04.
Follow-Up on Infringements	81. The Panel considers the key task of the COC should be to make a qualitative assessment as to the degree to which the measures in the individual fisheries contained in the ICCAT recommendations, are being respected by the vessels of the Parties.	COC						X									X	S/M	Refer to COC for consideration and appropriate action.	Implementation of Rec. 16-22 should assist with this work. Clear and timely reporting by all CPCs on the implementation of ICCAT requirements is also essential.
	82. In the view of the Panel, the COC will be unable to exercise such a function until it obtains information from independent sources, such as, a joint inspection scheme and effective regional observer programmes. It suffices to contrast the information available to the COC on the eastern bluefin tuna fisheries, as a result of observer reports and inspection reports, with the paucity of information on other fisheries.	NOAC																		NOAC
Market-Related Measures	83. The Panel concurs with the 2008 Panel's observation, that the imposition or the threat of imposition of market or trade measures is probably the single most persuasive measure that will ensure compliance with ICCAT measures.	NOAC																	NOAC	
	84. The Panel, noting Rec. 12-09, commends ICCAT for its initiatives in this area and recommends that catch documents, preferably electronic, be introduced for bigeye and swordfish species.	PWG									X								M	See Recommendation 73 above for proposed action.

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			COM	PA 1	PA 2	PA 3	PA 4	COC	STACFAD	SCRS	PWG	SWGSM	CWG	FAD WG	SEC	CPCs						
Reporting Requirements	85. The Panel recommends that ICCAT, through its Panels 1 to 4, should undertake an overall review of the current reporting requirements, on a stock by stock basis, both in relation to Task I and Task II data contained in the myriad of recommendations, in order to establish whether the reporting obligations in question could be reduced or simplified.	PWG		X	X	X	X												M	Refer to PWG to undertake this review and present its findings and suggestions to the Panels for their approval.	Such a review will involve many recommendations including proposals developed by virtually all the Panels. PWG is well placed to take a comprehensive look at all these measures. SCRS and the Secretariat could also provide support for this work where appropriate.	
	86. The Panel recommends that before the adoption of each new recommendation, there should be an assessment as to the likely impact on the Secretariat's workload that its implementation implies.	STACFAD							X									X		S	Refer to STACFAD to develop options for implementing this recommendation.	
	87. The Panel recommends that ICCAT consider introducing a provision in new recommendations, whereby the introduction of new reporting requirements would only become effective after a 9 to 12 month period has elapsed. This would assist Developing States to adapt to new requirements. This is particularly relevant where the volume and/or nature of the reporting have changed significantly. The difficulties Developing States encounter in introducing new administrative/reporting requirements at short notice, is well documented in the compliance context. The option for Developed CPCs to apply immediately the new reporting requirements may of course be maintained, if those CPCs consider it opportune.	COM	X	X	X	X	X	X	X	X										S	Refer to all ICCAT bodies that can recommend binding reporting requirements for consideration when developing such recommendations. Commission to coordinate action among the bodies.	

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			COM	PA 1	PA 2	PA 3	PA 4	COC	STACFAD	SCRS	PWG	SWGSM	CWG	FAD WG	SEC	CPCs					
5. Governance																					
Decision-Making	The Panel recommends that ICCAT																				
	88. Chairs of the Commission, Panels, COC and PWG should be prepared, once there has been sufficient discussion, to put draft Recommendations to a vote.	COM	X															S	Refer to the Commission for consideration		
	89. Revises the opt-out procedures included in Res 12-11 and the most recent text of the Amended ICCAT Convention to bring them more in line with modern opt-out procedures used by RFMOs that have been recently established or that have recently amended their constitutive instruments.	STACFAD							X										M - re/ Res 12-11; NOAC - re/ Convention amendment opt out provisions	Refer recommendation to revise Res. 12-11 to STACFAD for consideration.	The opt-out procedures developed by the CWG was a topic of intense negotiation.
	90. Ensures that the amendments to the ICCAT Convention relating to decision-making and opt-out procedures are provisionally applied from the moment of their formal adoption.	CWG	X											X				X	M	See Recommendation 1(b) for proposed action	
	91. Reviews its working practices in order to enhance transparency in decision-making, in particular on the allocation of fishing opportunities and the work of the Friends of the Chair.	COM	X	X	X	X	X	X											S	Commission to coordinate action among the bodies.	The Implementation of Res. 16-22 will assist with improving transparency in the COC Friends of the Chair process.
92. Reviews its Rules of Procedure, among other things to integrate its 2011 Deadlines and Guidelines for the Submission of Draft Proposals, Rec. 03-20 and Res. 94-06.	STACFAD							X										S	See recommendation 3 above for proposed action.		

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Dispute Settlement	93. The Panel recommends that ICCAT urges its CPCs to reach agreement on the inclusion of compulsory dispute settlement procedures entailing binding decisions in the Amended ICCAT Convention, which also devote attention to provisional arrangements of a practical nature pending the establishment of a dispute [settlement procedure].	CWG												X					S	Refer dispute settlement recommendation to CWG to consider in ongoing discussion of this issue.	
Transparency	The Panel recommends that ICCAT																				
	94. Considers codifying its practices on participation by NGOs - which are consistent with international minimum standards and comparable to those of other tuna RFMOs - by amending the ICCAT Observer Guidelines and Criteria or the ICCAT Rules of Procedure.	STACFAD							X										M	See recommendation 3 above for proposed action.	
	95. Considers requiring Contracting Parties that object to an application by an NGO for Observer Status with ICCAT to provide their reasons in writing.	STACFAD							X										S	See recommendation 3 above for proposed action.	
	96. Considers that closing formal ICCAT meetings to observers requires an explicit and reasoned decision supported by a simple majority of Contracting Parties.	STACFAD						X											S/M	See recommendation 3 above for proposed action.	
Confidentiality	The Panel commends ICCAT for the significant improvements in transparency and confidentiality since 2008 and recommends that ICCAT:	NOAC																	NOAC		
	97. Considers further improvements, for instance by making more of its data and documents publicly available and - as regards documents - explaining the reasons for classifying certain documents as confidential.	COM	X																	M	Refer the issue to the Commission / PWG and SCRS to begin a review of ICCAT's rules on confidentiality and their application and needed adjustments can be identified, if any.

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	98. Conducts a review of its Rules and Procedures on Data Confidentiality as envisaged in its paragraph 33, taking into account the need for harmonization among tuna RFMOs consistent with Rec KIII-1. As part of this review, it should adopt an ICCAT's Information Security Policy (ISP), where appropriate.	PWG									X	X							M	Refer the issue to the PWG and SCRS to begin a review of ICCAT's rules on confidentiality and their application and needed adjustments can be identified, if any.		
Relationship to Cooperating Non-Members	The Panel recommends that ICCAT																					
	99. Reviews Rec. 03-20 in order, inter alia, to clarify the rights of States and Entities with Cooperating Status; integrate elements of Res. 94-06; replace the PWG with the COC; and include a requirement to apply for renewal of Cooperating Status.	COC						X												M	Refer to COC to review the issue of cooperating status and determine if additional clarity on this matter is needed.	The roles and responsibilities of the COC and PWG were clarified a few years ago and there is no longer any overlap in their mandates. Both bodies have heavy workloads during the Annual meeting.
	100. Considers formalising the procedure for inviting non-CPCs.	COM	X																	M	Refer to COC for consideration.	
Relationship to Non-Cooperating Non-Members	The Panel recommends that ICCAT																					
	101. Continues to monitor fishing activities by non-cooperating non-members through cooperation between the ICCAT Secretariat and CPCs, and between CPCs.	COC						X								X	X		S	Secretariat, CPCs and the COC should continue to monitor fishing activities by non-members and bring them to the attention of the Commission.		
	102. Considers taking appropriate sanctions against non-cooperating non-members that continue to ignore ICCAT's requests for information and cooperation. This is particularly relevant in relation to overfished stocks, such as marlins.	COC						X												S	Refer to COC to recommend appropriate action.	COC has a key role in monitoring the fishing activities of non-CPCs and recommending ways to improve cooperation, including through application of Rec. 06-13 (Trade measures Recommendation).

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	109. Develops an overarching strategy for capacity building and assistance programs, which integrates the various existing capacity building initiatives.	STACFAD							X									S/M	Refer to STACFAD to undertake a review of its capacity building and assistance work and advise on how to improve it.		
	110. As regards capacity building for port State measures	NOAC																	NOAC		
	a) Urges developing CPCs to make the necessary efforts to assist the ICCAT Secretariat in identifying their capacity building needs;	PWG									X						X	S	Refer to the PWG where work is already underway through the Port Inspection Experts Group (established per Rec. 16-18).		
	b) Closely coordinates the operation of Rec 14-08 with existing and future capacity building initiatives undertaken by other intergovernmental bodies.	PWG									X						X	S/M	Refer to the PWG where work is already underway through the Port Inspection Experts Group (established per Rec. 16-18).		
6. Science																					
Best Scientific Advice	111. The Panel notes that aerial survey estimates in the spawning areas could be very useful in the East Atlantic and Mediterranean bluefin tuna and recommends that efforts be made to derive a usable index and that data continue to be collected.	SCRS									X							X	S	Refer to SCRS for appropriate action.	SCRS continues to emphasize the need for developing fishery independent indices of abundance like this aerial survey.
	112. The Panel re-iterates the recommendation of the 2008 Panel that a better balance of scientists with knowledge of the fishery and modelling expertise be sent to the assessment meetings of the SCRS.	SCRS									X							X	S/M	Refer to SCRS to advise CPCs/Commission on key participants needed at science meetings and any other relevant matters. STACFAD should assess any financial implications.	
	113. The Panel recommends that Management Strategy Evaluation should be used on a few stocks to estimate the costs and benefits of collecting more detailed information.	SCRS									X		X							S/M	Refer to SCRS to consider this issue specifically when conducting MSEs and advise SWGSM on the findings.
	114. The Panel recommends that the Commission adopts specific management objectives and reference points for all the stocks. This would guide the SCRS in its work and increase the consistency of the SCRS advice.	SWGSM		X	X	X	X						X						S	Refer to SWGSM where work is already ongoing.	

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Presentation Scientific Advice	115. The Panel recommends that the development of harvest control rules through Management Strategy Evaluation should be strongly supported.	SWGSM		X	X	X	X				X		X					S	Refer to SWGSM and the Panels for consideration; work is already ongoing regarding this matter.		
	116. The Panel recommends that in a precautionary approach, the advice with more uncertainty should, in fact, be implemented more readily.	COM	X	X	X	X	X												S	Commission to coordinate action among the bodies including referring for their consideration when drafting a new or revising an existing conservation and management measures.	Related to recommendation 43.
Adequacy SRCS and Secretariat	117. The Panel recommends that clear guidelines / processes on how the scientific resources of the Secretariat should be allocated to species should be agreed.	COM	X								X						X	S	Commission to consider appropriate action, including referring to SCRS for input on this matter.		
	118. The Panel recommends that ICCAT evaluates the benefits of outsourcing its stock assessments to an external science provider while retaining the SCRS as a body to formulated the advice based on the stock assessments.	COM	X							X	X								M/L	For additional information, SCRS could advise on the pros and cons from a scientific perspective and STACFAD from a financial perspective. Commission to coordinate action among the bodies.	
Capacity Building Initiatives	119. The Panel recommends that specific mentoring projects to include trainees in stock assessment teams be implemented.	SCRS							X	X								M/L	Refer to SCRS to advise on the merits of this idea and how it might be implemented effectively. STACFAD should assess any financial implications.	SCRS has conducted some training on stock assessment techniques in the past.	
	120. The Panel recommends that ICCAT develop specific mechanisms to ensure that more scientists with knowledge of the fisheries participate in stock assessment meetings and are directly involved in assessment teams.	SCRS								X	X							X	S/M	Refer to SCRS to advise CPCs/Commission on key participants needed at science meetings and any other relevant matters. STACFAD should assess any financial implications.	Related to recommendation 112
	121. The Panel also recommends that formal training in stock assessment be provided, possibly in cooperation with other organizations.	SCRS								X	X								M	Refer to SCRS to advise on the merits and how it might be implemented effectively. STACFAD should assess the financial implications.	

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SCRS Long-Term Strategy	122. The Panel recommends that a process to formally incorporate scientific priorities with funding implications into the budget be implemented to fund the activities in the strategic plan. This could be achieved by a scientific research quota.	COM	X							X								X		S	Refer to the Commission to request that the Secretariat include relevant SCRS recommendations with financial implications in the draft biennial budget. SCRS should continue to prioritize its recommendations. STACFAD should consider and advise on any viable options to fund scientific priorities that cannot or should not be funded through the regular budget.	
Implementation Res 11-17	123. The Panel recommends that model runs that are the basis of the SCRS advice should be available on the ICCAT website and easy to find. This should include the most recent model runs, but as assessments are updated, older runs should also be available.	SCRS									X							X		S	Refer to SCRS for action	This work is already underway in 2017.
	124. The Panel recommends that ICCAT cooperates with other stock assessments organizations to develop an integrated stock assessment framework where all current models could be run and new models could be integrated, while being transparent on what data and parameters have been used under what assumptions.	SCRS									X							X		S	Refer to SCRS to consider and advise on this matter. The Secretariat should assist with this work as needed.	
	125. The Panel recommends that ICCAT considers adopting a system with scientists from external organisations, universities or otherwise are contracted to review SCRS assessments.	SCRS								X	X									S	Refer to SCRS to review and update the current TORs for these reviewers	A mechanism already exists for external reviewers to participate in SCRS stock assessments.
Total Quality Management Process	126. The Panel recommends that ICCAT provides training in efficient chairing meetings to current Chairs and to new ones when they assume their duties.	STACFAD							X									X		S	Refer to STACFAD to consider and advise on options for acquiring such training and on financial aspects; the Secretariat should assist STACFAD in considering this matter as needed.	

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8. Financial and Administrative Issues																			
	127. The Panel recommends that a Working Capital Fund equivalent to 70% of the Annual Budget is prudent. This fund needs to be kept at that level in the interest of sound financial management. It should also be borne in mind that there are no guarantees that the costs of Annual meetings and scientific programmes etc., will continue to be financed by extra budgetary funds.	STACFAD							X								S	Refer to STACFAD to consider and advise on.	
	128. The Panel, taking account of the clear progress made by ICCAT in reducing outstanding debts on annual contributions by CPCs, recommends that ICCAT consider erasing CPCs debts for annual contributions outstanding for more than two years i.e. debts before 2015. This measure would alleviate the debt burden for certain Developing States. However, in parallel, ICCAT should amend its financial procedures and introduce an automatic sanction whereby, if the previous two years' contributions have not been paid in full by the following Annual meeting, then the right to vote and be a quota holder is withdrawn for that CPC, until those debts are acquitted in full.	STACFAD							X								M	Refer to STACFAD to consider and advise on.	
	129. The Panel also recommends that ICCAT consider cost recovery to finance key parts of their activities and thereby reduce the CPCs budgetary contributions and/or expand ICCAT's activities (e.g. the High Seas Inspection Scheme). This cost recovery approach is based on the principle that the vessels of CPCs, which benefit from access to profitable fisheries, should share the financial burden for the science and monitoring programmes, which are crucial for the sustainability of those resources. An annual fee could be envisaged which would be paid per vessel of a certain size to ICCAT, via if necessary, the Flag CPC.	STACFAD							X								M/L	Refer to STACFAD to consider and advise on.	

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	130. The Panel recommends, in line with good management practice, that ICCAT reviews every five years, through an independent human resources consultancy company, the staffing profile and workload of the Secretariat and, if necessary, adjust it to accurately reflect current and programmed workloads. In that review, the company should also review the staff assessment process.	STACFAD							X								X		S	Refer to STACFAD to consider and advise on financial and other considerations. Contracting process would be undertaken by the Secretariat	
	131. The Panel recommends that STACFAD be responsible for the terms of reference and the follow-up to the report of the consultancy.	STACFAD							X										M	Refer to STACFAD for input on options for tracking progress on the follow up to the consultants report.	