

**RECOMMENDATION BY ICCAT AMENDING THE RECOMMENDATION 14-04 ON
BLUEFIN TUNA IN THE EASTERN ATLANTIC AND MEDITERRANEAN**

ACKNOWLEDGING the need to rationalize some of the existing provisions of the Recovery plan;

CONFIRMING the importance of maintaining the scope and integrity of the control measures;

ACKNOWLEDGING that the Standing Committee on Research and Statistics (SCRS) noted in its 2014 advice that maintaining the Total Admissible Catch (TAC) or moderately and gradually increasing over recent TACs under the current management scheme should not undermine the success of the rebuilding plan;

HIGHLIGHTING that, according the last SCRS scientific advice and even if uncertainties remain in assessment results, the goal of the recovery plan might already have been, or will soon be reached;

CONSIDERING therefore that a new phase to the recovery plan will have to be implemented following the 2014 SCRS management recommendation;

NOTING that managing fishing activities by maintaining catches at or below the MSY estimate shall also be supported by a Spawning Stock Biomass (SSB) maintained over or at a level of the corresponding SSB_{MSY} ;

RECALLING that the SCRS indicated that the most precautionary MSY estimate would amount to 23,256 t and that a gradual increase of the catch level to that MSY would allow the population to increase even in the most conservative scenario;

FURTHER NOTING that annual increases of 20% of the TAC over three years would correspond to a moderate and gradual increase of the catch level to the most precautionary MSY estimate of the SCRS;

THE INTERNATIONAL COMMISSION FOR THE
CONSERVATION OF ATLANTIC TUNA (ICCAT) RECOMMENDS THAT:

**Part I
General Provisions**

1. The Contracting Parties and Cooperating non-Contracting Parties, Entities or Fishing Entities (hereinafter referred to as CPCs), whose vessels have been actively fishing for bluefin tuna (*Thunnus thynnus*) in the eastern Atlantic and Mediterranean shall implement a 15 year Recovery Plan for bluefin tuna in the eastern Atlantic and Mediterranean starting in 2007 and continuing through 2022, with the goal of achieving B_{MSY} with at least 60% probability.

Definitions

2. For purposes of this Plan:
 - a) "Fishing vessel" means any powered vessel used or intended for use for the purposes of the commercial exploitation of bluefin tuna resources, including catching vessels, fish processing vessels, support vessels, towing vessels, vessels engaged in transshipment and transport vessels equipped for the transportation of tuna products and auxiliary vessels, except container vessels.
 - b) "Catching vessel" means a vessel used for the purposes of the commercial capture of bluefin tuna resources.
 - c) "Processing vessel" means a vessel on board of which fisheries products are subject to one or more of the following operations, prior to their packaging: filleting or slicing, freezing and/or processing.

- d) "Auxiliary vessel" means any vessel used to transport dead bluefin tuna (not processed) from a transport/farming cage, a purse seine net or a tuna trap to a designated port and / or to a processing vessel.
- e) "Towing vessel" means any vessel used for towing cages.
"Support vessel" means any other fishing vessel referred to under 2a).
- f) "Fishing actively" means, for any catching vessel, the fact that it targets bluefin tuna during a given fishing season.
- g) "Joint fishing operation" means any operation between two or more purse seine vessels where the catch of one purse seine vessel is attributed to one or more other purse seine vessels in accordance with the allocation key.
- h) "Transfer operations" means:
 - any transfer of live bluefin tuna from the catching vessel net to the transport cage;
 - any transfer of live bluefin tuna from the transport cage to another transport cage;
 - any transfer of the cage with bluefin tuna from a towing vessel to another towing vessel;
 - any transfer of live bluefin tuna from one farm to another;
 - any transfer of live bluefin tuna from the trap to the transport cage.
- i) "Control Transfer" means any additional transfer being implemented at the request of the fishing/farming operators or the control authorities for the purpose of verifying the number of fish being transferred.
- j) "Trap" means fixed gear anchored to the bottom usually containing a guide net that leads bluefin tuna into an enclosure or series of enclosures where it is kept prior to harvesting.
- k) "Caging" means the transfer of live bluefin tuna from the transport cage or trap to the farming cages.
- l) "Farm" means installation used for the farming of bluefin caught by traps and/or purse seiners.
- m) "Harvesting" means the killing of bluefin tuna in farms or traps.
- n) "Transshipment" means the unloading of all or any of the fish on board a fishing vessel to another fishing vessel. Transfer operations of dead bluefin tuna from the purse seiner net or the towing vessel to an auxiliary vessel shall not be considered as a transshipment.
- o) "Sport fishery" means a non-commercial fishery whose members adhere to a national sport organization or are issued with a national sport license.
- p) "Recreational fishery" means non-commercial fisheries whose members do not adhere to a national sport organization or are not issued with a national sport license.
- q) "BCD or electronic BCD" is a Bluefin Catch Document for bluefin tuna. As appropriate, the reference to BCD shall be replaced by eBCD.
- r) "Control cameras" means Stereoscopic Cameras and/or conventional video cameras for the purpose of the controls foreseen in this Recommendation.
- s) "Farming" means caging of bluefin tuna in farms and subsequent feeding aiming to fatten and increase their total biomass.

Length of vessels

- 3. All lengths of vessels referred to in this Recommendation shall be understood as length overall.

Part II Management measures

TAC and quotas

- 4. The Commission shall establish the management plan for the stock in 2018.

5 (a) The total allowable catches (TACs) for the years 2018-2020 shall be set at: 28,200 t for 2018; 32,240 t for 2019; and 36,000 t for 2020, in accordance with the following quota scheme:

CPC	Quota 2018 (t)	Quota 2019 (t)	Quota 2020 (t)
Albania	100	130	140
Algeria	1,260	1,398	1,600
China	79	89	100
Egypt	181	240	300
European Union	15,850	17,536	19,360
Iceland*	84	112	140
Japan	2,279	2,528	2,801
Korea	160	167	180
Libya	1,846	2,021	2,210
Morocco	2,578	2,892	3,219
Norway	104	152	200
Syria	66	73	80
Tunisia	2,115	2,344	2,590
Turkey	1,414	1,824	2,240
Chinese Taipei	79	84	90
Subtotal	28,195	31,590	35,250
Unallocated Reserves	5	650	750
TOTAL	28,200	32,240	36,000

*Notwithstanding the provision of this Part, Iceland may catch beyond the quota amount each year by 25% while its total catch for 2018, 2019, and 2020 shall not exceed 336 t (84 t + 112 t + 140 t).

In 2018 and 2019, the Commission may distribute the unallocated reserves for 2019 and 2020 in consideration of the stock status updated by SCRS and the needs of CPCs, in particular the needs of coastal developing CPCs in their artisanal fisheries.

This table shall not be interpreted to have changed the allocation keys shown in Recommendation 14-04. The new keys shall be established in the future consideration by the Commission.

Mauritania may catch up to 5 t for research in each year. The catch shall be deducted from the unallocated reserve.

These TACs shall be reviewed annually on the advice of the SCRS.

(b) Depending on availability, Chinese Taipei may transfer up to 50 t, 50 t and 50 t of its quotas to Korea in 2018, 2019 and 2020, respectively.

Depending on availability, Libya may transfer up to 46 t of its quota to Algeria in 2018.

6. If the SCRS detects a serious threat of fishery collapse, the Commission shall suspend all the fisheries for eastern Atlantic and Mediterranean bluefin tuna in the following year. CPCs shall immediately intensify research activities so that SCRS can conduct further analysis and present recommendations on conservation and management measures necessary to resume the fisheries.
7. In 2016 the SCRS will conduct a full stock assessment employing new modelling approaches and new information. Based on such assessment and on further management recommendations supported by a Management Strategy Evaluation exercise, the Commission may decide by the end of 2017 on advisable changes of the management framework for eastern Atlantic and Mediterranean bluefin tuna.
8. With a view to ensuring compliance with the provisions of this Recommendation, each CPC shall submit fishing, inspection and capacity management plans to the ICCAT Secretariat by 15 February each year. For the fisheries concerned by paragraph 20 of this Recommendation, when submitting their fishing plan to ICCAT, CPCs shall specify if the starting dates have been modified, as well as the coordinates of the areas concerned. If prior to 31 March the Commission finds a serious fault in the plans submitted by a CPC and cannot endorse the plans, the Commission shall decide on the suspension of bluefin tuna fishing in that year by that CPC by mail vote.

Non-submission of the plans referred to above shall automatically lead to suspension of bluefin tuna fishing in that year.

Associated conditions to TAC and quotas

9. Each CPC shall take the necessary measures to ensure that the fishing effort of its catching vessels and its traps are commensurate with the fishing opportunities on bluefin tuna available to that CPC in the eastern Atlantic and Mediterranean Sea, including by establishing individual quotas for its catching vessels over 24 m included in the list referred to in paragraph 51.a).
10. Each CPC shall draw up an annual fishing plan for the catching vessels and traps fishing bluefin tuna in the eastern Atlantic and Mediterranean Sea. The annual fishing plan shall identify the quotas allocated to each gear group referred to paragraphs 18 to 23, the method used to allocate and manage quotas as well as the measure to ensure the respect of the individual quotas and by-catch.
11. Each CPC may also allocate a specific quota for the purpose of sport and recreational fisheries as defined in paragraphs 2.o) and 2.p).
12. Any subsequent modification to the annual fishing plan or the individual quotas allocated for catching vessels over 24 m and included in the lists referred to in paragraph 51.a), shall be transmitted to the ICCAT Executive Secretariat at least 48 hours before the exercise of the activity corresponding to that modification.
13. The flag CPC may require the catching vessel to proceed immediately to a port designated by it when the individual quota is deemed to be exhausted.
14. No carry-over of any under-harvests shall be made under this Plan.
15. The transfer of quotas between CPCs shall be done only under authorization by the CPCs concerned and the Commission.
16. No chartering operation for the bluefin tuna fishery is permitted.
17. No JFOs between different CPCs shall be permitted. However, a CPC with less than 5 authorized purse seiners may authorize joint fishing operations with any other CPC. Each CPC conducting a JFO shall be responsible and accountable for the catches made under this JFO.

Any CPC joint fishing operation for bluefin tuna shall only be authorized with the consent of the CPC if the vessel is equipped to fish bluefin tuna and has an individual quota, and in accordance with the following requirements.

At the moment of the application for the authorization, following the format set in **Annex 5**, each CPC shall take the necessary measures to obtain from its purse seine vessel(s) participating in the joint fishing operation the following information:

- duration,
- identity of the operators involved,
- individual vessels' quotas,
- the allocation key between the vessels for the catches involved, and
- the information on the farms of destination.

Each CPC shall transmit all this information to the ICCAT Secretariat at least ten days before the start of the operation. In presence of force majeure, the notification of changes regarding the farm of destination is not required 10 days before the operation, but shall be provided as soon as possible and the farm State authorities shall provide the ICCAT Secretariat with the description of the events constituting a force majeure.

The Commission shall establish and maintain an ICCAT record of all joint fishing operations authorized by the CPCs in the eastern Atlantic and Mediterranean Sea.

Open fishing seasons

18. Bluefin tuna fishing shall be permitted in the eastern Atlantic and Mediterranean by large-scale pelagic longlines catching vessels over 24 m during the period from 1 January to 31 May with the exception of the area delimited by West of 10°W and North of 42°N, as well as in the Norwegian Economic Zone, where such fishing shall be permitted from 1 August to 31 January.
19. Purse seine fishing for bluefin tuna shall be permitted in the eastern Atlantic and Mediterranean during the period from 26 May to 24 June, with the exception of the Norwegian Economic Zone where such fishing shall be permitted from 25 June to 31 October.
20. Bluefin tuna fishing by baitboats and trolling boats shall be permitted in the eastern Atlantic and Mediterranean during the period from 1 July to 31 October. CPCs may specify a different starting date for the fishing seasons for these vessels operating in the eastern Atlantic, since it does not affect the protection of spawning grounds, while keeping at four months the total duration of the open season for these fisheries.
21. Bluefin tuna fishing by pelagic trawlers shall be permitted in the eastern Atlantic during the period from 16 June to 14 October.
22. Bluefin tuna recreational and sport fishing shall be permitted in the eastern Atlantic and Mediterranean from 16 June to 14 October.
23. Fishing for bluefin tuna by other gears not mentioned in paragraphs 18 to 22 shall be permitted throughout the entire year in accordance with the conservation and management measures included in this recommendation.

Spawning grounds

24. The SCRS shall continue working on the identification, as precisely as possible, of spawning grounds, in the Atlantic and Mediterranean. It shall advise the Commission on the creation of sanctuaries.

Use of aerial means

25. CPCs shall take necessary measures to prohibit the use of airplanes, helicopters or any types of unmanned aerial vehicles for searching for bluefin tuna in the Convention area.

Minimum size

26. CPCs shall take the necessary measures to prohibit catching, retaining on board, transshipping, transferring, landing, transporting, storing, selling, displaying or offering for sale bluefin tuna weighing less than 30 kg or with fork length less than 115 cm.
27. By derogation of paragraph 26, a minimum size for bluefin tuna of 8 kg or 75 cm fork length shall apply to the following situations in accordance with the procedures set out in **Annex 1**.
 - a) Bluefin tuna caught by baitboats and trolling boats in the eastern Atlantic.
 - b) Bluefin tuna caught in the Adriatic Sea for farming purposes.
 - c) Bluefin tuna caught in the Mediterranean Sea by the coastal artisanal fishery for fresh fish by baitboats, longliners and handliners.
28. For catching vessels and traps fishing actively for bluefin tuna, an incidental catch of maximum 5% of bluefin tuna weighing between 8 and 30 kg or with fork length between 75-115 cm may be authorized.

This percentage is calculated on the total catches in number of fish retained on board this vessel at any time after each fishing operation in the above mentioned weight or length categories.

By-catch

29. Vessels not fishing actively for bluefin tuna are not authorized to retain at any time, bluefin tuna exceeding more than 5% of the total catch by weight or number of pieces. Number of pieces shall only apply to tuna and tuna-like species managed by ICCAT as provided in the 2014 SCRS report.

This prohibition does not apply to CPCs whose domestic legislation requires that all dead fish be landed. All by-catches must be deducted from the quota of the flag State CPC.

If no quota has been allocated to the CPC of the fishing vessel or trap concerned or if it has already been consumed, the catching of bluefin tuna as by-catch is not permitted and CPCs shall take the necessary measures to ensure their release. If however such bluefin tuna dies it must be landed, whole and unprocessed, where it shall be subject to confiscation and the appropriate follow-up action. CPCs shall report information on such quantities on an annual basis to the ICCAT Secretariat who shall make it available to SCRS.

The procedures referred to in paragraphs 58, 59, 60, 61, 63, 64, 65 and 94 shall apply to by-catch.

Recreational fisheries and sport fisheries

30. Recreational and sport fisheries on bluefin tuna shall be subject to the authorization for each vessel issued by the flag State CPC.

31. CPCs shall take the necessary measures to prohibit the catch and retention on board, transshipment or landing of more than one bluefin tuna per vessel per day for recreational fisheries and sport fisheries.

This prohibition does not apply to CPCs whose domestic legislation requires that all dead fish be landed.

32. The marketing of bluefin tuna caught in recreational and sport fishing shall be prohibited.

33. Each CPC shall take measures to record catch data including weight and length overall of each bluefin tuna from recreational and sport fishing and transmit them to the SCRS. Dead catches of recreational and sport fisheries shall be counted against the quota allocated to the CPC in accordance with paragraph 11.

34. Each CPC shall take the necessary measures to ensure, to the greatest extent possible, the release of bluefin tuna caught alive, especially juveniles, in the framework of recreational and sport fishing. Any bluefin tuna however landed should be done so whole or gilled and/or gutted.

Part III

Capacity management measures

Adjustment of fishing capacity

35. Each CPC shall adjust its fishing capacity to ensure that it is commensurate with its allocated quota.

36. To that purpose each CPC shall establish an annual fishing management plan for discussion and approval by the Commission. Such plan shall include the information referred to in paragraphs 35 to 45a, as well as detailed information regarding the ways used by CPCs to eliminate overcapacity in addition to scrapping when capacity reduction is required.

37. CPCs shall limit the number, and the corresponding gross registered tonnage of their fishing vessels to the number and tonnage of their vessels that fished for, retained on board, transshipped, transported, or landed bluefin tuna during the period 1 January 2007 to 1 July 2008. This limit shall be applied by gear type for catching vessels.

38. Paragraph 37 shall not be interpreted to affect the measures contained in **Annex 1** paragraphs 1 and 2 of this Recommendation.

39. CPCs shall limit the number of their traps engaged in the eastern Atlantic and Mediterranean bluefin tuna fishery to the number authorized by each CPC by 1 July 2008.

40. This adjustment may not apply to certain CPCs, in particular developing States that demonstrate that they need to develop their fishing capacity so as to fully use their quota. Such CPCs shall indicate in their management plans the programming of the introduction of additional fishing capacity into the fishery.

41. Without prejudice to paragraph 40, each CPC shall manage its fishing capacity referred to in paragraphs 37, 38 and 39 so as to ensure there is no discrepancy between its fishing capacity and its fishing capacity commensurate with its allocated quota in accordance with the methodology approved at the 2009 annual meeting.
42. To calculate its fishing capacity reduction, each CPC shall take into account, *inter alia*, the estimated yearly catch rates per vessel and gear to be estimated by SCRS.
43. The SCRS shall update the Commission annually and prior to the Commission meeting, on any changes of the estimated catch rates.
44. This adjustment may not apply to certain CPCs that demonstrate that their fishing capacity is commensurate with their allocated quotas.
45. For 2018, 2019, and 2020, when submitting their fishing plan to ICCAT, CPCs shall limit the numbers of their purse seiners to the numbers of purse seiners authorised in 2013 or 2014. This shall not apply to PS operating in the context of the activities referred to in paragraph 27b or to certain CPCs, in particular developing States that demonstrate that they need to develop their fishing capacity so as to fully use their quota.
 - a) By derogation to the provisions of paragraphs 37 and 39, for 2018, 2019 and 2020, CPCs may decide to include in their annual fishing plans referred to in paragraphs 36 and 45, a higher number of traps and vessels to fully utilise their fishing opportunities. The calculations to establish such increase shall be made in accordance with the methodology approved at the 2009 annual meeting and with the conditions set in paragraph 42.

Adjustment of farming capacity

46. Each farming CPC shall establish an annual farming management plan in case of modification of the plan approved in 2009 for discussion and approval by the Commission. Such plan shall include the information referred in paragraphs 47 to 49. Modifications of the farming management plan shall be submitted to the ICCAT Secretariat by the 1 May each year.
47. Each CPC shall limit its tuna farming capacity to the total farming capacity of the farms that were registered in the ICCAT list or authorized and declared to ICCAT as of 1 July 2008.
48. Each CPC shall establish an annual maximum input of wild caught bluefin tuna into its farms at the level of the input quantities registered with ICCAT by its farms in 2005, 2006, 2007 or 2008.
49. Within the maximum input quantity of wild caught bluefin tuna referred to in paragraph 48, each CPC shall allocate maximum annual inputs to its farms.
50. The plans referred to in paragraphs 35 to 49 shall be submitted according to the procedures laid down in paragraph 8 of this recommendation.

Part IV

Control measures

ICCAT Record of vessels authorized to fish bluefin tuna

51. a) The Commission shall establish and maintain an ICCAT record of all catching vessels authorized to fish actively for bluefin tuna in the eastern Atlantic and Mediterranean Sea.
- b) The Commission shall establish and maintain an ICCAT record of all other fishing vessels (i.e. catching vessels excluded) authorized to operate for bluefin tuna in the eastern Atlantic and Mediterranean Sea.

During a calendar year, a fishing vessel may be registered in any of the ICCAT records referred to paragraphs a) and b) as long as such registration is not in both lists at the same time. Without prejudice to paragraph 29, for the purposes of this Recommendation, fishing vessels not entered into one of the ICCAT records referred to in paragraphs a) and b) are deemed not to be authorized to fish for, retain on board, tranship, transport, transfer, process or land bluefin tuna in the eastern Atlantic and Mediterranean Sea.

52. Each flag CPC shall submit electronically each year to the ICCAT Executive Secretary, at the latest 15 days before the beginning of the fishing seasons referred to in paragraphs 18 to 23, when applicable, the list of its catching vessels authorized to fish actively for bluefin tuna in the eastern Atlantic and Mediterranean Sea referred to in paragraph 51.a). For those catching vessels authorized to fish actively for bluefin tuna and not affected by a fishing season, record on the list shall be permitted at the latest 15 days before such authorization enters into force.

The list of other fishing vessels authorized to operate in the eastern Atlantic and Mediterranean Sea referred to in paragraph 51.b) shall be submitted 15 days before the start of their period of authorisation.

Submissions shall be undertaken in accordance with the format set in the Guidelines for Submitting Data and Information Required by ICCAT.

No retroactive submissions shall be accepted. Any subsequent changes shall not be accepted unless a notified fishing vessel is prevented from participation due to legitimate operational reasons or force majeure. In such circumstances, the CPC concerned shall immediately inform the ICCAT Executive Secretary, providing:

- a) full details of the intended replacement fishing vessel(s) referred to in paragraph 51;
- b) a comprehensive account of the reasons justifying the replacement and any relevant supporting evidence or references.

The ICCAT Secretariat will forward cases to the Compliance Committee not sufficiently justified or incomplete as per the conditions in this paragraph. The Contracting Party concerned shall be notified when such cases are forwarded to the Compliance Committee within 5 days of their original change request.

53. Conditions and procedures referred to in the *Recommendation by ICCAT Concerning the Establishment of an ICCAT Record of Vessels 20 Meters in Length Overall or Greater Authorized to Operate in the Convention Area* [Rec. 13-13] (except paragraph 3) shall apply *mutatis mutandis*.

ICCAT record of tuna traps authorized to fish for bluefin tuna

54. The Commission shall establish and maintain an ICCAT Record of all tuna traps authorized to fish for bluefin tuna in the eastern Atlantic and Mediterranean Sea. For the purposes of this recommendation, tuna traps not entered into the record are deemed not to be authorized to be used to fish for, retain, transfer or land bluefin tuna.

55. Each CPC shall submit electronically to the ICCAT Executive Secretary, by 1 April each year, the list (including the name of the traps, register number) of its authorized tuna traps referred to in paragraph 54.

Conditions and procedures referred in Recommendation Rec. 13-13 (except paragraph 3) shall apply *mutatis mutandis*.

Information on fishing activities

56. By 1 April each year, each CPC shall notify the ICCAT Secretariat detailed information on bluefin tuna catches in the eastern Atlantic and Mediterranean in the preceding fishing year. This information should include:

- a) the name and ICCAT number of each catching vessel;

- b) the period of authorisation(s) for each catching vessel;
- c) the total catches of each catching vessel including nil returns throughout the period of authorisation(s);
- d) the total number of days each catching vessel fished in the eastern Atlantic and Mediterranean throughout the period of authorisation(s); and
- e) the total catch outside their period of authorisation (by-catch) including nil returns.

For all vessels which were not authorised to fish actively for bluefin tuna in the eastern Atlantic and Mediterranean but which caught bluefin tuna as by-catch:

- a) the name and ICCAT number or national registry number of the vessel, if not registered with ICCAT;
- b) the total catches of bluefin tuna.

57. Each CPC shall notify the ICCAT Secretariat of any information concerning vessels not covered in paragraph 56 but known or presumed to have fished for bluefin tuna in the eastern Atlantic and Mediterranean. The ICCAT Secretariat shall forward such information to the flag State for action as appropriate, with a copy to other CPCs for information.

Transshipment

58. Transshipment at sea operations of bluefin tuna in the eastern Atlantic and Mediterranean Sea shall be prohibited.

59. Fishing vessels shall only tranship bluefin tuna catches in designated ports of CPCs. To this end, each CPC shall designate ports in which transshipping of bluefin tuna is authorized and communicate a list of these ports to the ICCAT Secretariat by 1 March each year.

For a port to be determined as designated port, the port State shall specify permitted transshipping times and places.

The port State shall ensure full inspection coverage during all transshipping times and at all transshipping places.

On the basis of this information the ICCAT Secretariat shall maintain a list of designated ports on the ICCAT website.

The masters of the transshipping fishing vessels shall complete the ICCAT transshipment declaration in accordance with the format set out in **Annex 3**.

60. Prior to entry into any port, the receiving fishing vessel, or its representative, shall provide the relevant authorities of the port State at least 48 h before the estimated time of arrival, with the following:

- a) estimated time of arrival;
- b) estimated quantity of bluefin tuna retained on board, and information on the geographic area where it was taken;
- c) the name of the transshipping fishing vessel and its number in the ICCAT record of catching vessels authorized to fish actively for bluefin tuna or in the ICCAT record of other fishing vessels authorized to operate in the eastern Atlantic and Mediterranean Sea;
- d) the name of the receiving fishing vessel, its number in the ICCAT record of catching vessels authorized to fish actively for bluefin tuna or in the ICCAT record of other fishing vessels authorized to operate in the eastern Atlantic and Mediterranean Sea;
- e) the tonnage and the geographic area of the catch of bluefin tuna to be transhipped.

Any transshipment requires the prior authorization from the flag State of the transshipping fishing vessel concerned.

The master of the transshipping fishing vessel shall, at the time of the transshipment, inform its flag State of the following:

- a) the quantities of bluefin tuna involved;
- b) the date and port of the transshipment;
- c) the name, registration number and flag of the receiving fishing vessel and its number in the ICCAT record of catching vessels authorized to fish actively for bluefin tuna or in the ICCAT record of other fishing vessels authorized to operate in the eastern Atlantic and Mediterranean Sea;
- d) the geographical area of the catch of bluefin tuna.

The relevant authority of the port State shall inspect the receiving vessel on arrival and check the cargo and documentation related to the transshipment operation.

The relevant authority of the port State shall send a record of the transshipment to the flag State authority of the transshipping fishing vessel, within 5 days after the transshipment has ended.

Recording requirements

61. The masters of catching vessels shall maintain a bound or electronic fishing logbook of their operations in accordance with the requirements set out in **Annex 2**.
62. The masters of towing vessels, auxiliary vessels and processing vessels shall record their activities in accordance with the requirements set out in **Annex 2**.
63. Fishing vessels shall only land bluefin tuna catches in designated ports of CPCs. To this end, each CPC shall designate ports in which landing of bluefin tuna is authorized and communicate a list of these ports to the ICCAT Secretariat by 1 March each year. For a port to be determined as designated port, the port State shall specify permitted landing times and places. On the basis of this information the ICCAT Secretariat shall maintain a list of designated ports on the ICCAT website.
64. Prior to entry into any port, the fishing vessels or their representative, shall provide the relevant authorities of the port, at least 4 hours before the estimated time of arrival, with the following:
 - a) estimated time of arrival;
 - b) estimate of quantity of bluefin tuna retained on board;
 - c) the information on the geographic area where the catch was taken.

If the fishing grounds are less than four hours from the port, the estimated quantities of bluefin tuna retained on board may be modified at any time prior to arrival.

Port State authorities shall keep a record of all prior notices for the current year.

All landings shall be controlled by the relevant control authorities and a percentage shall be inspected based on a risk assessment system involving quota, fleet size and fishing effort. Full details of this control system adopted by each CPC shall be detailed in their annual inspection plan referred to in paragraph 8 of this recommendation. This shall also apply for harvest operations.

All caging operations and transshipments shall be inspected by the relevant authorities of the farming and designated port CPC authorities.

The relevant authority shall send a record of the landing to the flag State authority of the fishing vessel, within 48 hours after the landing has ended.

After each trip and within 48 hours of landing, the masters of catching vessels shall submit a landing declaration to the competent authorities of the CPC where the landing takes place and to its flag State. The master of the authorized catching vessel shall be responsible for the accuracy of the declaration, which shall indicate, as a minimum, the quantities of bluefin tuna landed and the area where they were caught. All landed catches shall be weighed and not only estimated.

65. The masters of fishing vessels shall complete and transmit to their flag State the ICCAT transshipment declaration no later than 48 hours after the date of transshipment in port.

Communication of catches

66. a) Each CPC shall ensure that its catching vessels fishing actively for bluefin tuna communicate during the whole period in which they are authorised to fish bluefin tuna, by electronic or other means to their competent authorities, daily information from logbooks, including the date, time, location (latitude and longitude) and the weight and number of bluefin tuna taken in the plan area.

For purse seiners such daily report shall be on a fishing operation by fishing operation basis including those where the catch was zero.

Such reports shall be transmitted on a daily basis for purse seiners and vessels over 24 meters, and for other catching vessels by the latest Tuesday noon for the preceding week ending Sunday.

b) Each CPC shall ensure that its traps fishing actively for bluefin tuna communicate a daily catch report (weight and number of fish), within 48 hours by electronic or other means to their competent authorities including zero catches during the whole period they are authorised to fish bluefin tuna.

c) On the basis of the information referred to in (a) and (b), each CPC shall transmit without delay weekly catch reports for all vessels and traps to the ICCAT Secretariat. Submissions shall be undertaken in accordance with the format set in the Guidelines for Submitting Data and Information Required by ICCAT.

Reporting of catches

67. Each CPC shall report its provisional monthly catches by gear type of bluefin tuna including by-catch and from sport and recreational fisheries and nil returns to the ICCAT Secretariat within 30 days of the end of the calendar month in which the catches were made.

68. The ICCAT Secretariat shall within 10 days following the monthly deadlines for receipt of the provisional catch statistics collect the information received and circulate it to CPCs together with aggregated catch statistics.

69. CPCs shall report to the ICCAT Secretariat the dates when they have closed the fisheries referred to in paragraphs 18 to 23 as well as when their entire quota of bluefin tuna has been utilized. The ICCAT Secretariat shall promptly circulate this information to all CPCs.

Cross check

70. CPCs shall verify, including by using inspection reports and observer reports, VMS data, the submission of logbooks and relevant information recorded in the logbooks of their fishing vessels, in the transfer/transshipment document and in the catch documents.

The competent authorities shall carry out cross checks on all landings, all transshipment, transfers or caging between the quantities by species recorded in the fishing vessel logbook or quantities by species recorded in the transshipment declaration and the quantities recorded in the landing declaration or caging declaration, and any other relevant document, such as invoice and/or sales notes.

Transfer operations

71. Before any transfer operation, as defined in paragraph 2.h), the master of the catching or towing vessel or its representatives or the representative of the farm or trap, where the transfer in question originates, as appropriate, shall send to its flag State or farm State CPC authorities before the transfer, a prior transfer notification indicating:

- name of the catching vessel or farm or trap and ICCAT number record,
- estimated time of transfer,
- estimate of quantity of bluefin tuna to be transferred,
- information on the position (latitude/longitude) where the transfer will take place and identifiable cage numbers,
- name of the towing vessel, number of cages towed and ICCAT number record where appropriate,
- port, farm, cage destination of the bluefin tuna.

For this purpose, CPCs shall assign a unique number to all cages. Numbers shall be issued with a unique numbering system that includes at least the three letter CPC code followed by three numbers.

72. The flag State shall assign and communicate to the master of the fishing vessel, or trap or farm as appropriate, an authorization number for each transfer operation. The transfer operation shall not begin without the prior authorization issued in accordance with a unique numbering system that includes the 3 letter CPC code, 4 numbers showing the year and 3 letters that indicate either positive authorization (AUT) or negative authorization (NEG) followed by sequential numbers, by the CPC flag State authorities of the catching vessel, the towing vessel, farm or trap. Information regarding dead fish shall be recorded in accordance with the procedures set out in **Annex 11**.

If the flag State of the catching vessel, the towing vessel or the authorities of the CPC where the farm or trap is located considers on receipt of the prior transfer notification that:

- a) the catching vessel or the trap declared to have caught the fish does not have sufficient quota,
- b) the quantity of fish has not been duly reported by the catching vessel or a trap or had not been authorized to be caged and not taken into account for the consumption of the quota that may be applicable,
- c) the catching vessel declared to have caught the fish is not authorized to fish for bluefin tuna, or
- d) the tug vessel declared to receive the transfer of fish is not registered in the ICCAT record of all other fishing vessels referred to in paragraph 51.b) or is not equipped with a Vessel Monitoring System,

it shall not authorize the transfer.

In case the transfer is not authorized the catching CPC shall issue a release order to the master of the catching vessel or trap or farm as appropriate inform them that the transfer is not authorized and to proceed to the release of the fish into the sea according to the procedures described in the paragraph below.

The transfer shall be authorized or not authorized by the flag State of the catching vessel farm or trap as appropriate within 48 hours following the submission of the prior transfer notification. In case that the transfer is not authorized the captain of the catching vessel, the owner of the farm or trap as appropriate has to release the fish into the sea according to the procedures described in **Annex 10** and this paragraph.

The release of bluefin tuna into the sea shall be performed in accordance with **Annex 10** of this Recommendation.

73. The masters of catching or towing vessels or the representative of the farm or trap shall complete and transmit to their flag State the ICCAT transfer declaration at the end of the transfer operation in accordance with the format set out in **Annex 4**.
- a) The transfer declaration forms shall be numbered by the flag authorities of the vessel, farm or trap from where this transfer originates. The numbering system shall include the 3 letters CPC code, followed by 4 numbers showing the year and 3 sequential numbers followed by the 3 letters ITD (CPC- 20**/xxx/ITD).
 - b) The original transfer declaration shall accompany the transfer of fish. A copy of the declaration must be kept by the catching vessel or trap and towing vessel.
 - c) Masters of vessels carrying out transfer operations shall report their activities in accordance with the requirements set out in **Annex 2**.
74. The authorization for transfer by the flag State does not prejudice the confirmation of the caging operation.

75. For transfers of live bluefin tuna as defined in paragraph 2.h), the master of the catching vessel or the representative of the farm or trap, where appropriate, shall ensure that the transfer activities shall be monitored by video camera in the water with a view to verify the number of fish being transferred. The minimum standards and procedures for the video recording shall be in accordance with **Annex 8**.

The CPCs shall provide copies of video records to the SCRS upon request. SCRS shall keep confidentiality of commercial activities.

76. The ICCAT Regional Observer on board the catching vessel and trap, as referred to in the ICCAT Regional Observer Programme (**Annex 6**) and paragraphs 89 and 90, shall record and report upon the transfer activities carried out, observe and estimate catches transferred and verify entries made in the prior transfer authorization as referred to in paragraph 72 and in the ICCAT transfer declaration as referred to in paragraph 73.

In cases where there is more than a 10% difference by number between the estimates made by either the regional observer, relevant control authorities and/or the master of the catching vessel, or representative of the trap, or when the video record is of insufficient quality or clarity to make such estimations, an investigation shall be initiated by the flag State of the catching vessel, farm or trap and concluded prior to the time of caging at the farm or in any case within 96 hours of it being initiated. Pending the results of this investigation, caging shall not be authorized and the relevant section of the BCD shall not be validated. However, in cases when the video record is of insufficient quality or clarity to make such estimations, the operator may request to the flag authorities of the vessel to conduct a new transfer operation and to provide the corresponding video record to the Regional Observer.

77. Without prejudice to the verifications conducted by inspectors, the ICCAT Regional Observer shall sign with clearly written name and ICCAT number the ICCAT transfer declaration only when his/her observations are in accordance with ICCAT conservation and management measures and that the information contained within it is consistent with his/her observations including a compliant video record as per the requirements in paragraphs 75 and 76. He/she shall also verify that the ICCAT transfer declaration is transmitted to the master of the tug vessel or farm/trap representative where applicable.

Operators shall complete and transmit to its CPC the ICCAT transfer declaration at the end of the transfer operation to their respective competent authorities, in accordance with the format set out in **Annex 4**.

Caging operations

78. Prior to the start of caging operations for each transport cage, the anchoring of transport cages within 0.5 nautical mile of farming facilities, shall be prohibited.
79. Before any caging operation into a farm, the flag CPC of the catching vessel or trap shall be informed by the competent authority of the farm State of the caging of quantities caught by catching vessels or traps flying its flag.

If the flag CPC of the catching vessel or trap considers on receipt of this information that:

- a) the catching vessel or trap declared to have caught the fish had not sufficient quota for bluefin tuna put into the cage,
- b) the quantity of fish has not been duly reported by the catching vessel or trap and not taken into account for the calculation of any quota that may be applicable,
- c) the catching vessel or trap declared to have caught the fish is not authorized to fish for bluefin tuna,

it shall inform the competent authority of the farm State to proceed to the seizure of the catches and the release of the fish into the sea according to the procedures described in paragraph 72 and **Annex 10**.

The caging shall not begin without the prior confirmation, within 24 hours / 1 working day of the request, of the catching vessel's or trap flag State, or of the CPC authorities of the farm if agreed with the CPC authorities of the catching vessel/trap. If no response is received within 24 hours / 1 working day from the CPC authorities of the catching vessel/trap, the CPC authorities of the farm may authorize the caging operation. This does not prejudice the sovereign rights of the farm CPC.

Fish shall be caged before the 15 August unless the farm CPC receiving the fish provides valid reasons including force majeure, which shall accompany the caging report when submitted.

80. The CPC under whose jurisdiction the farm for bluefin tuna is located shall prohibit placing bluefin tuna in cages for farming bluefin tuna that are not accompanied by the documents required by ICCAT as confirmed and validated by the catching vessel or trap CPC authorities.

81. The CPC under whose jurisdiction the farm is located shall ensure that transfer activities from cages to the farm shall be monitored by video camera in the water.

One video record shall be produced for each caging operation in accordance with the procedures in **Annex 8**.

In cases where there is more than a 10% difference by number between the estimates made by either the regional observer, relevant control authorities and/or the farm operator, an investigation shall be initiated by the farm CPC in cooperation with the flag State of the catching vessel and or trap where appropriate. The catching and farm flags undertaking the investigations may use other information at their disposal including the results of the caging programmes referred to under paragraph 83 which use stereoscopic cameras systems or alternative techniques.

82. CPCs shall take the necessary measures and actions to better estimate both the number and weight of bluefin tuna at the point of capture and caging and report the results to the SCRS.

SCRS shall continue to explore operationally viable technologies and methodologies for determining the size and biomass at the points of capture and caging and report to the Commission at the Annual meetings.

83. A programme using stereoscopic cameras systems or alternative techniques that provide the equivalent precision shall cover 100% of all caging operations, in order to refine the number and weight of the fish. This program shall be conducted in accordance with the procedures set out in **Annex 9**.

The results of this programme shall be communicated to the catching CPC, and by the flag State of the farm CPC, to the Regional Observer. When these results indicate that the quantities of bluefin tuna being caged differ from the quantities reported caught and transferred, an investigation shall be launched. If the investigation is not concluded within 10 working days from the communication of the assessment of the video from the stereoscopic camera or alternative techniques conducted in accordance with the procedures laid down in **Annex 9**, for a single caging operation or complete assessment of all cagings from a JFO, or if the outcome of the investigation indicates that the number and/or average weight of bluefin tuna is in excess of that declared caught and transferred, the flag CPCs authorities of the catching vessel and or trap shall issue a release order for the excess which must be released in accordance with the procedures laid down in paragraph 72 and **Annex 10**.

The quantities derived in the programme shall be used to decide if releases are required and the caging declarations and relevant sections of the BCD shall be completed accordingly. When a release order has been issued, the farm operator shall request the deployment of a Regional Observer.

The results of this programme shall be submitted by 15 September annually to SCRS by all farming CPCs. The SCRS should evaluate such procedures and results and report to the Commission by the Annual meeting in accordance with **Annex 9**.

84. The transfer of live bluefin tuna from one farming cage to another farming cage shall not take place without the authorization and the presence of the farm State control authorities.

85. A difference superior or equal to 10% between the quantities of bluefin tuna reported caught by the vessel/trap and the quantities established by the control camera shall constitute a Potential Non-Compliance of the vessel/trap concerned.

86. The CPC under whose jurisdiction the farm for bluefin tuna is located shall submit within one week of the completion of the caging operation (a caging operation is not complete until a potential investigation and release are also completed) a caging report to the CPC whose flag vessels has fished the tuna and to the ICCAT Secretariat. This report shall contain the information referred to in the caging declaration as set out in the *Recommendation of ICCAT on Bluefin Tuna Farming* [Rec. 06-07].

When the farming facilities authorized to operate for farming of bluefin tuna caught in the Convention area (hereafter referred to as FFBS) are located beyond waters under jurisdiction of CPCs, the provisions of the previous paragraph shall apply, *mutatis mutandis*, to CPCs where the natural or legal persons responsible for FFBS are located.

VMS

87. Without prejudice to paragraph 1.d) of Recommendation 06-07, CPCs shall implement a vessel monitoring system for their fishing vessels over 24 m, in accordance with the *Recommendation by ICCAT Amending Recommendation 03-14 by ICCAT Concerning Minimum Standards for the Establishment of a Vessel Monitoring System in the ICCAT Convention Area* [Rec. 14-09].

Without prejudice to paragraph 1.d) of Recommendation 06-07, with effect from 1 January 2010 this measure shall be applied for their fishing vessels over 15 m.

The ICCAT Executive Secretary shall make available without delay the information received under this paragraph to CPCs with an active inspection presence in the Plan Area and to SCRS, at its request.

On request from CPCs engaged in inspection at sea operations in the Convention area in accordance with the ICCAT Scheme of Joint International Inspection referred to in paragraphs 97 and 99 of this Recommendation, the ICCAT Secretariat shall make available the messages received under paragraph 3 of *Recommendation by ICCAT Concerning Data Exchange Format and Protocol in Relation to the Vessel Monitoring System (VMS) for the Bluefin Tuna Fishery in the ICCAT Convention Area* [Rec. 07-08] to all fishing vessels.

The transmission of VMS data by fishing vessels over 15 m in length included in the ICCAT bluefin tuna record of 'catching' and 'other' vessels to ICCAT shall start at least 15 days before their period of authorisation and shall continue at least 15 days after their period of authorisation unless the vessel is removed by the flag State authorities.

For control purposes, the transmission of VMS bluefin tuna authorised fishing vessels shall not be interrupted when vessels are in port unless there is a system of hailing in and out of port.

The ICCAT Secretariat shall immediately inform CPCs in term of delays or non-receipt of VMS transmissions and distribute monthly reports to all CPCs with specific information on the nature and the scope of these delays. Such reports shall be weekly during the period 1 May to 30 July.

CPC Observer Programme

88. Each CPC shall ensure coverage by observers, issued with an official identification document, on vessels and traps active in the bluefin tuna fishery on at least:

- 20% of its active pelagic trawlers (over 15 m),
- 20% of its active longline vessels (over 15 m),
- 20% of its active baitboats (over 15 m),
- 100% of towing vessels,
- 100% of harvesting operations from traps.

The observer tasks shall be, in particular, to:

- a) monitor fishing vessel and trap compliance with the present Recommendation,

- b) record and report upon the fishing activity, which shall include, inter alia, the following:
 - amount of catch (including by-catch), that also includes species disposition, such as retained on board or discarded dead or alive,
 - area of catch by latitude and longitude,
 - measure of effort (e.g., number of sets, number of hooks, etc.), as defined in the ICCAT Manual for different gears,
 - date of catch.
- c) observe and estimate catches and verify entries made in the logbook,
- d) sight and record vessels that may be fishing contrary to ICCAT conservation measures.

In addition, the observer shall carry out scientific work, such as collecting Task II data, when required by the Commission, based on the instructions from the SCRS.

In implementing this observer requirement, CPCs shall:

- a) ensure representative temporal and spatial coverage to ensure that the Commission receives adequate and appropriate data and information on catch, effort, and other scientific and management aspects, taking into account characteristics of the fleets and fisheries;
- b) ensure robust data collection protocols;
- c) ensure observers are properly trained and approved before deployment;
- d) ensure, to the extent practicable, minimal disruption to the operations of vessels and traps fishing in the Convention area.

Data and information collected under each CPCs observer programme shall be provided to the SCRS and the Commission, as appropriate, in accordance with requirements and procedures to be developed by the Commission by 2009 taking into account CPC confidentiality requirements.

For the scientific aspects of the programme, the SCRS shall report on the coverage level achieved by each CPC and provide a summary of the data collected and any relevant findings associated with that data. SCRS shall also provide any recommendations to improve the effectiveness of CPC observer programmes.

ICCAT Regional Observer Programme

89. An ICCAT Regional Observer Programme shall be implemented to ensure observer coverage of 100%:

- on all purse seiners authorised to fish bluefin tuna;
- during all transfers of bluefin tuna from purse seiners;
- during all transfers of bluefin tuna from traps to transport cages;
- during all transfers from one farm to another;
- during all cagings of bluefin tuna in farms;
- during all harvesting of bluefin tuna from farms.

Purse seine vessels without an ICCAT regional observer shall not be authorized to fish or to operate in the bluefin tuna fishery.

90. The observer tasks shall be, in particular, to:

- observe and monitor fishing and farming operations in compliance with the relevant ICCAT conservation and management measures,
- sign the ICCAT transfer declarations and BCDs when he/she is in agreement that the information contained within them is consistent with his/her observations,
- carry out such scientific work, for example collecting samples, as required by the Commission based on the directions from the SCRS.

Enforcement

91. CPCs shall take enforcement measures with respect to a fishing vessel, where it has been established, in accordance with its law that the fishing vessel flying its flag does not comply with the provisions of paragraphs 18 to 23, 26 to 28 and 61 to 65 (fishing seasons, minimum size and recording requirements).

The measures may include in particular depending on the gravity of the offence and in accordance with the pertinent provisions of national law:

- fines,
- seizure of illegal fishing gear and catches,
- sequestration of the vessel,
- suspension or withdrawal of authorization to fish,
- reduction or withdrawal of the fishing quota, if applicable.

92. The CPC under whose jurisdiction the farm for bluefin tuna is located shall take enforcement measures with respect to a farm, where it has been established, in accordance with its law that this farm does not comply with the provisions of paragraphs 78 to 86 and 93 (caging operations and observers) and with Recommendation 06-07.

The measures may include in particular depending on the gravity of the offence and in accordance with the pertinent provisions of national law:

- fines,
- suspension or withdrawal of the record of FFBs,
- prohibition to put into cages or market quantities of bluefin tuna.

Access to and requirements for video records

93. Each CPC shall take the necessary measures to ensure that the video records as referred to in paragraph 81 are made available to the ICCAT inspectors and ICCAT and CPC observers.

Each CPC shall establish the necessary measures to avoid any replacement, edition or manipulation of the original video record.

Market measures

94. Consistent with their rights and obligations under international law, exporting and importing CPCs shall take the necessary measures:

- to prohibit domestic trade, landing, imports, exports, placing in cages for farming, re-exports and transshipments of eastern Atlantic and Mediterranean bluefin tuna species that are not accompanied by accurate, complete, and validated documentation required by this Recommendation and the *Recommendation by ICCAT Amending the Recommendation 09-11 on an ICCAT Bluefin Tuna Catch Documentation Program* [Rec. 11-20] on a Bluefin Tuna Catch Documentation Programme.
- to prohibit domestic trade, imports, landings, placing in cages for farming, processing, exports, re-exports and the transshipment within their jurisdiction, of eastern and Mediterranean bluefin tuna species caught by fishing vessels or traps whose flag State either does not have a quota, catch limit or allocation of fishing effort for that species, under the terms of ICCAT management and conservation measures, or when the flag State fishing possibilities are exhausted, or when the individual quotas of catching vessels referred to in paragraph 10 are exhausted;
- to prohibit domestic trade, imports, landings, processing, and exports from farms that do not comply with Recommendation 06-07.

Conversion factors

95. The conversion factors adopted by SCRS shall apply to calculate the equivalent round weight of the processed bluefin tuna.

Growth factors

96. The SCRS shall review information from BCDs and other submitted data and further study growth rates so as to provide updated growth tables to the Commission by the 2016 Annual meeting.

Part V ICCAT Scheme of Joint International Inspection

97. In the framework of the Multi-annual Management Plan for Bluefin Tuna, each CPC agrees, in accordance with Article IX, paragraph 3, of the ICCAT Convention, to apply the ICCAT Scheme of Joint International Inspection adopted during its Fourth Regular Meeting, held in November 1975 in Madrid, as modified in **Annex 7**.
98. The Scheme referred to in paragraph 97 shall apply until ICCAT adopts a monitoring, control and surveillance scheme which will include an ICCAT scheme for joint international inspection, based on the results of the Integrated Monitoring Measures Working Group, established by the *Resolution by ICCAT for Integrated Monitoring Measures* [Res. 00-20].
99. When at any time, more than 15 fishing vessels of anyone CPC are engaged in bluefin tuna fishing activities in the Convention area, the CPC shall, during that time have an inspection vessel in the Convention area, or shall cooperate with another CPC to jointly operate an inspection vessel.

Part VI

Final provisions

100. Availability of data to the SCRS

The ICCAT Secretariat shall make available to the SCRS all data received in accordance with the present recommendation.

All data shall be treated in a confidential manner.

101. Evaluation

All the CPCs shall submit each year to the Secretariat regulations and other related documents adopted by them to implement this Recommendation. In order to have greater transparency in implementing this Recommendation, all the CPCs involved in the bluefin tuna chain shall submit each year, no later than 15 October, a detailed report on their implementation of this Recommendation.

102. Cooperation

All the CPCs involved in the bluefin tuna chain are encouraged to enter into bilateral arrangements in order to improve the compliance with the provisions of this recommendation. These arrangements could notably cover exchanges of inspectors, joint inspections and data sharing.

103. Repeals

This Recommendation replaces the *Recommendation by ICCAT Amending the Recommendation 13-07 by ICCAT to Establish a Multi-Annual Recovery Plan for Bluefin Tuna in the Eastern Atlantic and Mediterranean* [Rec. 14-04].

ANNEXES

Annex 1

Specific Conditions Applying to the Catching Vessels Referred to in Paragraph 27

1. CPCs shall limit:

- The maximum number of its baitboats and trolling boats authorized to fish actively bluefin tuna to the number of the vessels participating in directed fishery for bluefin tuna in 2006.
- The maximum number of its artisanal fleet authorized to fish actively bluefin tuna in the Mediterranean to the number of the vessel participating in the fishery for bluefin tuna in 2008.
- The maximum number of its catching vessel authorized to fish actively bluefin tuna in the Adriatic to the number of the vessel participating in the fishery for bluefin tuna in 2008. Each CPC shall allocate individual quotas to the concerned vessels.

CPCs shall issue specific authorizations to the vessels referred to in paragraph 1 of this Annex. Such vessels shall be indicated in the list of catching vessels referred to in paragraph 52 of this recommendation, where the conditions for changes shall also apply.

2. Each CPC shall allocate no more than 7% of its quota for bluefin tuna among its baitboats and trolling boats, with up to a maximum of 100 t of bluefin tuna weighing no less than 6.4 kg or 70 cm fork length caught by baitboat vessels of an overall length of less than 17 m by derogation to paragraph 27 of this recommendation.
3. Each CPC may allocate no more than 2% of its quota for bluefin tuna among its coastal artisanal fishery for fresh fish in the Mediterranean.

Each CPC may allocate no more than 90% of its quota for bluefin tuna among its catching vessel in the Adriatic for farming purposes.

4. CPCs whose baitboats, longliners, handliners and trolling boats are authorized to fish for bluefin tuna in the eastern Atlantic and Mediterranean under the conditions of this Annex shall institute tail tag requirements as follows:
 - a) Tail tags must be affixed on each bluefin tuna immediately upon offloading.
 - b) Each tail tag shall have a unique identification number and be included on bluefin tuna catch documents and written on the outside of any package containing tuna.

Logbook requirements

A – Catching Vessels

Minimum specification for fishing logbooks:

1. The logbook must be numbered by sheets.
2. The logbook must be filled in every day (midnight) or before port arrival.
3. The logbook must be completed in case of at sea inspections.
4. One copy of the sheets must remain attached to the logbook.
5. Logbooks must be kept on board to cover a period of one-year operation.

Minimum standard information for fishing logbooks:

1. Master name and address.
2. Dates and ports of departure, Dates and ports of arrival.
3. Vessel name, register number, ICCAT number international radio call sign and IMO number (if available).
4. Fishing gear:
 - a) Type by FAO code
 - b) Dimension (length, number of hooks...)
5. Operations at sea with one line (minimum) per day of trip, providing:
 - a) Activity (fishing, steaming...)
 - b) Position: Exact daily positions (in degree and minutes), recorded for each fishing operation or at noon when no fishing has been conducted during this day
 - c) Record of catches including:
 - i) FAO code
 - ii) round (RWT) weight in kg per day
 - iii) number of pieces per day

For purse seiners this should be recorded by fishing operation including nil returns.

6. Master signature.
7. Means of weight measure: estimation, weighing on board and counting.
8. The logbook is kept in equivalent live weight of fish and mentions the conversion factors used in the evaluation.

Minimum information for fishing logbooks in case of landing or transhipment:

1. Dates and port of landing /transhipment
2. Products
 - a) species and presentation by FAO code
 - b) number of fish or boxes and quantity in kg
3. Signature of the Master or Vessel Agent
4. In case of transhipment: receiving vessel name, its flag and ICCAT number

Minimum information for fishing logbooks in case of transfer into cages:

1. Date, time and position (latitude / longitude) of transfer
2. Products:
 - a) Species identification by FAO code
 - b) Number of fish and quantity in kg transferred into cages
3. Name of towing vessel, its flag and ICCAT number
4. Name of the farm of destination and its ICCAT number
5. In case of joint fishing operation, in complement of information laid down in points 1 to 4, the masters shall record in their log book:
 - a) as regards the catching vessel transferring the fish into cages:
 - amount of catches taken on board,
 - amount of catches counted against its individual quota,

- the names of the other vessels involved in the JFO.
- b) as regards the other catching vessels not involved in the transfer of the fish:
- the name of the other vessels involved in the JFO, their international radio call signs and ICCAT numbers,
 - that no catches have been taken on board or transferred into cages,
 - amount of catches counted against their individual quotas,
 - the name and the ICCAT number of the catching vessel referred to in (a).

B – Towing Vessels

1. Masters of towing vessels shall record on their daily logbook, the date, time and position of transfer, the quantities transferred (number of fish and quantity in kg), the cage number, as well as the catching vessel name, flag and ICCAT number, the name of the other vessel(s) involved and their ICCAT number, the farm of destination and its ICCAT number, and the ICCAT transfer declaration number.
2. Further transfers to auxiliary vessels or to other towing vessel shall be reported including the same information as in point 1 as well as the auxiliary or towing vessel name, flag and ICCAT number and the ICCAT transfer declaration number.
3. The daily logbook shall contain the details of all transfers carried out during the fishing season. The daily logbook shall be kept on board and be accessible at any time for control purposes.

C – Auxiliary Vessels

1. Masters of auxiliary vessels shall record their activities daily in their logbook including the date, time and positions, the quantities of bluefin tuna taken onboard, and the fishing vessel, farm or trap name they are operating in association with.
2. The daily logbook shall contain the details of all activities carried out during the fishing season. The daily logbook shall be kept on board and be accessible at any time for control purposes.

D – Processing Vessels

1. Masters of processing vessels shall report on their daily logbook, the date, time and position of the activities and the quantities transshipped and the number and weight of bluefin tuna received from farms, traps or catching vessel where applicable. They should also report the names and ICCAT numbers of those farms, traps or catching vessel.
2. Masters of processing vessels shall maintain a daily processing logbook specifying the round weight and number of fish transferred or transshipped, the conversion factor used, the weights and quantities by product presentation.
3. Masters of processing vessels shall maintain a stowage plan that shows the location and the quantities of each species and presentation.
4. The daily logbook shall contain the details of all transshipments carried out during the fishing season. The daily logbook, processing logbook, stowage plan, original of ICCAT transshipment declarations shall be kept on board and be accessible at any time for control purposes.

No. of document

ICCAT Transshipment Declaration

<p>Carrier vessel</p> <p>Name of vessel and radio call sign: Flag: Flag State authorization No. National Register No. ICCAT Register No. IMO No.</p>	<p>Fishing Vessel</p> <p>Name of the vessel and radio call sign: Flag: Flag State authorization No. National register No. ICCAT Register No. External identification: Fishing logbook sheet No.</p>	<p>Final destination: Port: Country: State:</p>
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	Day	Month	Hour	Year	2_ 0_ _ _	F.V Master's name:	Carrier vessel Master's name:
Departure	_ _	_ _	_ _	From:	_ _ _		
Return	_ _	_ _	_ _	To:	_ _ _	Signature:	Signature:
Tranship.	_ _	_ _	_ _		_ _ _		

For transshipment, indicate the weight in kilograms or the unit used (e.g. box, basket) and the landed weight in kilograms of this unit: |_|_| kilograms.

LOCATION OF TRANSHIPMENT

Port	Sea <i>Lat. Long.</i>	Species	Number of unit of fishes	Type of product live	Type of product whole	Type of product guttled	Type of product head off	Type of product filleted	Type of product	Further transhipments
										Date: _____ Place/Position: _____ Authorization CP No. _____ Transfer vessel Master's signature: _____
										Name of receiver vessel: _____ Flag _____ ICCAT Register No. _____ IMO No. _____ Master's signature _____
										Date: _____ Place/Position: _____ Authorization CP No. _____ Transfer vessel Master's signature: _____
										Name of receiver vessel: _____ Flag _____ ICCAT Register No. _____ IMO No. _____ Master's signature _____

Obligations in case of transshipment:

1. The original of the transshipment declaration must be provided to the recipient vessel (processing/transport).
2. The copy of the transshipment declaration must be kept by the correspondent catching vessel or trap.
3. Further transshipping operations shall be authorized by the relevant CPC which authorized the vessel to operate.
4. The original of the transshipment declaration has to be kept by the recipient vessel which holds the fish, up to the landing place.
5. The transshipping operation shall be recorded in the logbook of any vessel involved in the operation.

Annex 4

Document No.	ICCAT Transfer Declaration		
1 - TRANSFER OF LIVE BFT DESTINATED FOR FARMING			
Fishing vessel name: Call sign: Flag: Flag State transfer authorisation no. ICCAT Register no. External identification: Fishing logbook no. JFO no. eBCD nbr.	Trap name: ICCAT Register no.	Tug vessel name: Call sign: Flag: ICCAT Register no. External identification:	Name of destination farm: ICCAT Register no:
			Cage Number:
2 - TRANSFER INFORMATION			
Date: __/__/____	Place or position: Port:	Lat:	Long:
Number of individuals:	Species:		
Type of product: Live <input type="checkbox"/> Whole <input type="checkbox"/> Gutted <input type="checkbox"/> Other (Specify):			
Master of fishing vessel / trap operator / farm operator name and signature:	Master of receiver vessel (tug, processing, carrier) name and signature:	Observer Names, ICCAT No. and signature:	
3 - FURTHER TRANSFERS			
Date: __/__/____	Place or position: Port: Lat: Long:		
Tug vessel name:	Call sign:	Flag:	ICCAT Register no.
Farm State transfer authorisation no:	External identification:	Cage no.	Master of receiver vessel name and signature:
Date: __/__/____	Place or position: Port: Lat: Long:		
Tug vessel name:	Call sign:	Flag:	ICCAT Register no.
Farm State transfer authorisation no:	External identification:	Cage no.	Master of receiver vessel name and signature:
Date: __/__/____	Place or position: Port: Lat: Long:		
Tug vessel name:	Call sign:	Flag:	ICCAT Register no.
Farm State transfer authorisation no:	External identification:	Cage no.	Master of receiver vessel name and signature:

ICCAT Regional Observer Programme

1. Each CPC shall require its farms, traps and purse seine vessels as referred to in paragraph 89 to deploy an ICCAT regional observer.
2. The Secretariat of the Commission shall appoint the observers before 1 April each year, and shall place them on farms, traps and on board the purse seine vessels flying the flag of Contracting Parties and of non-Contracting Cooperating Parties, Entities or Fishing Entities that implement the ICCAT observer programme. An ICCAT observer card shall be issued for each observer.
3. The Secretariat shall issue a contract listing the rights and duties of the observer and the master of the vessel or farm or trap operator. This contract shall be signed by both parties involved.
4. The Secretariat shall establish an ICCAT Observer Programme Manual.

Designation of the observers

5. The designated observers shall have the following qualifications to accomplish their tasks:
 - sufficient experience to identify species and fishing gear;
 - satisfactory knowledge of the ICCAT conservation and management measures and based on ICCAT training guidelines;
 - the ability to observe and record accurately;
 - a satisfactory knowledge of the language of the flag of the vessel or farm or trap observed.

Obligations of the observer

6. Observers shall:
 - a) have completed the technical training required by the guidelines established by ICCAT;
 - b) be nationals of one of the CPCs and, to the extent possible, not of the farm State, trap State or flag State of the purse seine vessel;
 - c) be capable of performing the duties set forth in point 7 below;
 - d) be included in the list of observers maintained by the Secretariat of the Commission;
 - e) not have current financial or beneficial interests in the bluefin tuna fishery.
7. The observer tasks shall be, in particular:
 - a) As regards observers on purse-seine vessels, to monitor the purse seine vessels' compliance with the relevant conservation and management measures adopted by the Commission. In particular the observers shall:
 - i) In cases where the observer observes what may constitute non-compliance with ICCAT recommendation he/she shall submit this information without delay to the observer implementing company who shall forward it without delay to the flag State authorities of the catching vessel. For this purpose the observer implementing company shall set up a system through which this information can be securely communicated;
 - ii) record and report upon the fishing activities carried out;
 - iii) observe and estimate catches and verify entries made in the logbook;
 - iv) issue a daily report of the purse seiner vessels' transfer activities;
 - v) sight and record vessels which may be fishing in contravention to ICCAT conservation and management measures;

- vi) record and report upon the transfer activities carried out;
 - vii) verify the position of the vessel when engaged in transfer;
 - viii) observe and estimate products transferred, including through the review of video recordings;
 - ix) verify and record the name of the fishing vessel concerned and its ICCAT number;
 - x) carry out scientific work such as collecting Task II data when required by the Commission, based on the directives from the SCRS.
- b) As regards observers in the farms and traps to monitor their compliance with the relevant conservation and management measures adopted by the Commission. In particular the observers shall:
- i) verify the data contained in the transfer declaration, caging declaration and BCDs, including through the review of video records;
 - ii) certify the data contained in the transfer declaration, caging declaration and BCDs;
 - iii) issue a daily report of the farms' and traps transfer activities;
 - iv) countersign the transfer declaration and caging declarations and BCDs only when he/she agrees that the information contained within them are consistent with his/her observations including a compliant video record as per the requirements in paragraphs 75 and 76;
 - v) carry out such scientific work, for example collecting samples, as required by the Commission, based on the directives from the SCRS;
 - vi) register and verify the presence of any type of tag, including natural marks, and notify any sign of recent tag removals.
- c) Establish general reports compiling the information collected in accordance with this paragraph and provide the master and farm operator the opportunity to include therein any relevant information.
- d) Submit to the Secretariat the aforementioned general report within 20 days from the end of the period of observation.
- e) Exercise any other functions as defined by the Commission.
8. Observers shall treat as confidential all information with respect to the fishing and transfer operations of the purse seiners and of the farms and traps and accept this requirement in writing as a condition of appointment as an observer.
9. Observers shall comply with requirements established in the laws and regulations of the flag or farm State which exercises jurisdiction over the vessel, farm or trap to which the observer is assigned.
10. Observers shall respect the hierarchy and general rules of behaviour which apply to all vessel, farm and trap personnel, provided such rules do not interfere with the duties of the observer under this program, and with the obligations of vessel and farm personnel set forth in paragraph 11 of this Programme.

Obligations of the flag States of purse seine vessels and farm and trap States

11. The responsibilities regarding observers of the flag States of the purse seine vessels and their masters shall include the following, notably:
- a) Observers shall be allowed to access to the vessel, farm and trap personnel and to the gear, cages and equipment;
 - b) Upon request, observers shall also be allowed access to the following equipment, if present on the vessels to which they are assigned, in order to facilitate the carrying out of their duties set forth in paragraph 7 of this Programme.
 - i) satellite navigation equipment;

- ii) radar display viewing screens when in use;
- iii) electronic means of communication;
- c) Observers shall be provided accommodations, including lodging, food and adequate sanitary facilities, equal to those of officers;
- d) Observers shall be provided with adequate space on the bridge or pilot house for clerical work, as well as space on deck adequate for carrying out observer duties; and
- e) The flag States shall ensure that masters, crew, farm, trap and vessel owners do not obstruct, intimidate, interfere with, influence, bribe or attempt to bribe an observer in the performance of his/her duties.

The Secretariat, in a manner consistent with any applicable confidentiality requirements, is requested to provide to the farm State, trap State or flag State of the purse seine vessel, copies of all raw data, summaries, and reports pertaining to the trip. The Secretariat shall submit the observer reports to the Compliance Committee and to the SCRS.

Observer fees and organization

- 12.a) The costs of implementing this program shall be financed by the farm and trap operators and purse seiner's owners. The fee shall be calculated on the basis of the total costs of the program. This fee shall be paid into a special account of the ICCAT Secretariat and the ICCAT Secretariat shall manage the account for implementing the program;
- b) No observer shall be assigned to a vessel, trap and farm for which the fees, as required under subparagraph a), have not been paid.

ICCAT Scheme of Joint International Inspection

Pursuant to paragraph 3 of Article IX of the Convention, the ICCAT Commission recommends the establishment of the following arrangements for international control outside the waters under national jurisdiction for the purpose of ensuring the application of the Convention and the measures in force thereunder:

I. Serious violations

1. For the purposes of these procedures, a serious violation means the following violations of the provisions of the ICCAT conservation and management measures adopted by the Commission:
 - a) fishing without a license, permit or authorization issued by the flag CPC;
 - b) failure to maintain sufficient records of catch and catch-related data in accordance with the Commission's reporting requirements or significant misreporting of such catch and/or catch-related data;
 - c) fishing in a closed area;
 - d) fishing during a closed season;
 - e) intentional taking or retention of species in contravention of any applicable conservation and management measure adopted by the ICCAT;
 - f) significant violation of catch limits or quotas in force pursuant to the ICCAT rules;
 - g) using prohibited fishing gear;
 - h) falsifying or intentionally concealing the markings, identity or registration of a fishing vessel;
 - i) concealing, tampering with or disposing of evidence relating to investigation of a violation;
 - j) multiple violations which taken together constitute a serious disregard of measures in force pursuant to the ICCAT;
 - k) assault, resist, intimidate, sexually harass, interfere with, or unduly obstruct or delay an authorized inspector or observer;
 - l) intentionally tampering with or disabling the vessel monitoring system;
 - m) such other violations as may be determined by the ICCAT, once these are included and circulated in a revised version of these procedures;
 - n) fishing with assistance of spotter planes;
 - o) interference with the satellite monitoring system and/or operation of a vessel without a VMS system;
 - p) transfer activity without transfer declaration;
 - q) transshipment at sea.

2. In the case of any boarding and inspection of a fishing vessel during which the authorized inspectors observe an activity or condition that would constitute a serious violation, as defined in paragraph 1, the authorities of the flag State of the inspection vessel shall immediately notify the flag State of the fishing vessel, directly as well as through the ICCAT Secretariat. In such situations, the inspector should, also inform any inspection ship of the flag State of the fishing vessel known to be in the vicinity.

3. ICCAT inspectors should register the inspections undertaken and the infringements detected (if any) in the fishing vessel logbook.

4. The flag State CPC shall ensure that, following the inspection referred to in paragraph 2 of this Annex, the fishing vessel concerned ceases all fishing activities. The flag State CPC shall require the fishing vessel to proceed within 72 hours to a port designated by it, where an investigation shall be initiated.

5. In the case where an inspection has detected an activity or condition that would constitute a serious violation, the vessel should be reviewed under the procedures described in the *Recommendation by ICCAT Further Amending Recommendation 09-10 Establishing a List of Vessels Presumed to Have Carried Out Illegal, Unreported and Unregulated Fishing Activities in the ICCAT Convention Area* [Rec. 11-18], taking into account any response actions and other follow up.

II. Conduct of inspections

6. Inspections shall be carried out by inspectors designated by the Contracting Governments. The names of the authorized government agencies and individual inspectors designated for that purpose by their respective governments shall be notified to the ICCAT Commission.
7. Ships carrying out international boarding and inspection duties in accordance with this Annex shall fly a special flag or pennant approved by the ICCAT Commission and issued by the ICCAT Secretariat. The names of the ships so used shall be notified to the ICCAT Secretariat as soon as practical in advance of the commencement of inspection activities. The ICCAT Secretariat shall make information regarding designated inspection vessels available to all CPCs, including by posting on its password-protected website.
8. Inspectors shall carry appropriate identity documentation issued by the authorities of the flag State, which shall be in the form shown in paragraph 21 of this Annex.
9. Subject to the arrangements agreed under paragraph 16 of this Annex, a vessel flagged to a Contracting Government and fishing for tuna or tuna-like fishes in the Convention area outside waters under national jurisdiction shall stop when given the appropriate signal in the International Code of Signals by a ship flying the ICCAT pennant described in paragraph 7 and carrying an inspector unless the vessel is actually carrying out fishing operations, in which case it shall stop immediately once it has finished such operations. The master* of the vessel shall permit the inspection party, as specified in paragraph 10 of this Annex, to board it and must provide a boarding ladder. The master shall enable the inspection party to make such examination of equipment, catch or gear and any relevant documents as an inspector deems necessary to verify compliance with the ICCAT Commission's recommendations in force in relation to the flag State of the vessel being inspected. Further, an inspector may ask for any explanations that he or she deems necessary.
10. The size of the inspection party shall be determined by the commanding officer of the inspection vessel taking into account relevant circumstances. The inspection party should be as small as possible to accomplish the duties set out in this Annex safely and securely.
11. Upon boarding the vessel, inspectors shall produce the identity documentation described in paragraph 8 of this Annex. Inspectors shall observe generally accepted international regulations, procedures and practices relating to the safety of the vessel being inspected and its crew, and shall minimize interference with fishing activities or stowage of product and, to the extent practicable, avoid action which would adversely affect the quality of the catch on board; Inspectors shall limit their enquiries to the ascertainment of the observance of the ICCAT Commission's recommendations in force in relation to the flag State of the vessel concerned. In making the inspection, inspectors may ask the master of the fishing vessel for any assistance he may require. Inspectors shall draw up a report of the inspection in a form approved by the ICCAT Commission. Inspectors shall sign the report in the presence of the master of the vessel who shall be entitled to add or have added to the report any observations which he or she may think suitable and must sign such observations.
12. Copies of the report shall be given to the master of the vessel and to the government of the inspection party, which shall transmit copies to the appropriate authorities of the flag State of the inspected vessel and to the ICCAT Commission. Where any infringement of ICCAT recommendations is discovered, the inspector should, where possible, also inform any inspection ship of the flag State of the fishing vessel known to be in the vicinity.
13. Resistance to inspectors or failure to comply with their directions shall be treated by the flag State of the inspected vessel in a manner similar to such conduct committed with respect to a national inspector.
14. Inspectors shall carry out their duties under these arrangements in accordance with the rules set out in this recommendation, but they shall remain under the operational control of their national authorities and shall be responsible to them.

* Master refers to the individual in charge of the vessel.

Minimum standards for video recording procedures**Transfers**

- i) The electronic storage device containing the original video record shall be provided to the observer as soon as possible after the end of the transfer operation who shall immediately initialize it to avoid any further manipulation.
- ii) The original recording shall be kept on board the catching vessel or by the farm or trap operator where appropriate, during their entire period of authorisation.
- iii) Two identical copies of the video record shall be produced. One copy shall be transmitted to the regional observer on board of the purse seine vessel and one to the CPC observer on board the towing vessel, the latter of which shall accompany the transfer declaration and the associated catches to which it relates. This procedure should only apply to CPC observers in the case of transfers between towing vessels.
- iv) At the beginning and/or the end of each video, the ICCAT transfer authorisation number shall be displayed.
- v) The time and the date of the video shall be continuously displayed throughout each video record.
- vi) Before the start of the transfer, the video shall include the opening and closing of the net/door and whether the receiving and donor cages already contain bluefin tuna.
- vii) The video recording must be continuous without any interruptions and cuts and cover the entire transfer operation.
- viii) The video record should be of sufficient quality to estimate the number of bluefin tuna being transferred.
- ix) If the video record is of insufficient quality to estimate the number of bluefin tuna being transferred, then a new transfer shall be requested by the control authorities. The new transfer must include all the bluefin tuna in the receiving cage into another cage which must be empty.

Caging operations

- i) The electronic storage device containing the original video record shall be provided to the regional observer as soon as possible after the end of the caging operation who shall immediately initialize it to avoid any further manipulation.
- ii) The original recording shall be kept by the farm where applicable, during their entire period of authorisation.
- iii) Two identical copies of the video record shall be produced. One copy shall be transmitted to the regional observer deployed on the farm.
- iv) At the beginning and/or the end of each video, the ICCAT caging authorisation number shall be displayed.
- v) The time and the date of the video shall be continuously displayed throughout each video record.
- vi) Before the start of the caging, the video shall include the opening and closing of the net/door and whether the receiving and donor cages already contain bluefin tuna.
- vii) The video recording must be continuous without any interruptions and cuts and cover the entire caging operation.
- viii) The video record should be of sufficient quality to estimate the number of bluefin tuna being transferred.

- ix) If the video record is of insufficient quality to estimate the number of bluefin tuna being transferred, then a new caging operation shall be requested by the control authorities. The new caging operation must include all the bluefin tuna in the receiving farm cage into another farm cage which must be empty.

Standards and procedures for stereoscopic cameras systems in the context of caging operations

Use of stereoscopic cameras systems

The use of stereoscopic cameras systems in the context of caging operations, as required by article 83 of this Recommendation, shall be conducted in accordance with the following:

- i. The sampling intensity of live fish shall not be below 20% of the amount of fish being caged. When technically possible, the sampling of live fish shall be sequential, by measuring one in every five specimens. Such a sample shall be made up of fish measured at a distance between 2 and 8 meters from the camera.
- ii. The dimensions of the transfer gate connecting the donor cage and the receiving cage shall be set at maximum width of 10 meters and maximum height of 10 meters.
- iii. When the length measurements of the fish present a multi-modal distribution (two or more cohorts of distinct sizes), it shall be possible to use more than one conversion algorithm for the same caging operation. The most up to date algorithm(s) established by SCRS shall be used to convert fork lengths into total weights, according to the size category of the fish measured during the caging operation.
- iv. Validation of the stereoscopic length measurements shall be undertaken prior to each caging operation using a scale bar at a distance of 2 and 8 m.
- v. When the results of the stereoscopic program are communicated, the information shall indicate the margin of error inherent to the technical specifications of the stereoscopic camera system, which shall not exceed a range of +/- 5 percent.
- vi. The report on the results of the stereoscopic program should include details on all the technical specifications above, including the sampling intensity, the way of sampling methodology, the distance from the camera, the dimensions of the transfer gate, and the algorithms (length-weight relationship). SCRS shall review these specifications, and if necessary provide recommendations to modify them.
- vii. In cases where the stereoscopic camera footage is of insufficient quality to estimate the weight of bluefin tuna being caged, a new caging operation shall be ordered by the flag CPC authorities of the catching vessel/trap, or the flag CPC authorities of the farm.

Presentation and use of stereoscopic cameras systems outcome

- i. Decisions regarding differences between the catch report and the results from the stereoscopic system programme shall be taken at the level of the Joint Fishing Operation (JFO) or total trap catches, for JFOs and trap catches destined to a farm facility involving a single CPC and/or EU Member State. The decision regarding differences between the catch report and the results from the stereoscopic system programme shall be taken at the level of the caging operations for JFO's involving more than one CPC and/or EU Member State, unless otherwise agreed by all the flag CPC/State authorities of the catching vessels involved in the JFO.
- ii. The farm CPC/State authorities shall provide a report to the flag CPC/State authorities of the catching vessel, including the following documents:
 - ii.1 Technical stereoscopic system report including:
 - general information: species, site, cage, date, algorithm;
 - sizing statistical information: average weight and length, minimum weight and length, maximum weight and length, number of fish sampled, weight distribution, size distribution.
 - ii.2 Detailed results of the programme, with the size and weight of every fish that was sampled.
 - ii.3 Caging report including:

- general information on the operation: number of the caging operation, name of the farm, cage number, BCD number, ITD number, name and flag of the catching vessel, name and flag of the towing vessel, date of the stereoscopic system operation and footage file name;
 - algorithm used to convert length into weight;
 - comparison between the amounts declared in the BCD and the amounts found with the stereoscopic system, in number of fish, average weight and total weight (the formula used to calculate the difference shall be: $(\text{Stereoscopic System}-\text{BCD}) / \text{Stereoscopic System} * 100$);
 - margin of error of the system;
 - for those caging reports relating to JFOs/traps, the last caging report shall also include a summary of all information in previous caging reports.
- iii. When receiving the caging report, the flag CPC/State authorities of the catching vessel shall take all the necessary measures according to the following situations.
- iii.1 The total weight declared by the catching vessel in the BCD is within the range of the stereoscopic system results:
- no release shall be ordered;
 - the BCD shall be modified both in number (using the number of fish resulting from the use of the control cameras or alternative techniques) and average weight, while the total weight shall not be modified.
- iii.2 The total weight declared by the catching vessel in the BCD is below the lowest figure of the range of the stereoscopic system results:
- a release shall be ordered using the lowest figure in the range of the stereoscopic system results;
 - the release operations must be carried out in accordance with the procedure laid down in paragraph 72 and **Annex 10**;
 - after the release operations took place, the BCD shall be modified both in number (using the number of fish resulting from the use of the control cameras, minus the number of fish released) and average weight, while the total weight shall not be modified.
- iii.3 The total weight declared by the catching vessel in the BCD exceeds the highest figure of the range of the stereoscopic system results:
- no release shall be ordered;
 - the BCD shall be modified for the total weight (using the highest figure in the range of the stereoscopic system results), for the number of fish (using the results from the control cameras) and average weight accordingly.
- iv. For any relevant modification of the BCD, the values (number and weight) entered in Section 2 shall be consistent with those in Section 6 and the values in Sections 3, 4 and 6, shall be not higher those in Section 2.
- v. In case of compensation of differences found in individual caging reports across all cagings from a JFO/trap, whether or not a release operation is required, all relevant BCDs shall be modified on the basis of the lowest range of the stereoscopic system results. The BCDs related to the quantities of bluefin tuna released shall also be modified to reflect the weight/number released. The BCDs related to bluefin tuna not released but for which the results from the stereoscopic systems or alternative techniques differ from those reported caught and transferred shall also be amended to reflect these differences.

The BCDs relating to the catches from where the release operation took place shall also be modified to reflect the weight/number released.

Release Protocol

The release of bluefin tuna from farming cages into the sea shall be recorded by video camera and observed by an ICCAT Regional Observer, who shall draft and submit a report together with the video records to the ICCAT Secretariat.

The release of bluefin tuna from transport cages or traps into the sea shall be observed by a national observer of the traps CPC, who shall draft and submit a report to its CPC control authorities.

Before a release operation takes place, CPC control authorities might order a control transfer using standard and/or stereoscopic cameras to estimate the number and weight of the fish that need to be released.

CPC control authorities might implement any additional measures they feel necessary to guarantee that the release operations take place at the most appropriate time and place in order to increase the probability of the fish going back to the stock. The operator shall be responsible for the fish survival until the release operation has taken place. These release operations shall take place within 3 weeks of the completion of the caging operations.

Following completion of harvesting operations, fish remaining in a farm and not covered by an ICCAT bluefin catch document shall be released in accordance with the procedures described in paragraph 72.

Treatment of dead fish

During fishing operations by purse seiners, the quantities of fish found dead in the seine shall be recorded on the fishing vessel logbook and therefore deducted from the Flag CPCs quota.

Recording/treating of dead fish during 1st transfer

- a) The BCD shall be provided to the towing vessel with Section 2 (Total Catch), Section 3 (Live fish trade) and Section 4 (Transfer – including “dead” fish) completed.

The total quantities reported in Sections 3 and 4 shall be equal to the quantities reported in Section 2. The BCD shall be accompanied by the original ICCAT Transfer Declaration (ITD) in accordance with the provisions of this Recommendation. The quantities reported in the ITD (transferred live), must equal the quantities reported in Section 3 in the associated BCD.

- b) A split of the BCD with Section 8 (Trade information) shall be completed and given to the auxiliary vessel which will transport the dead BFT to shore (or retained on the catching vessel if landed directly to shore). This dead fish and split BCD must be accompanied with a copy of the ITD.
- c) With regards to BCDs, dead fish shall be allocated to the catching vessel which made the catch, or in the case of JFOs either to participating catching vessels or flags.