



# Northwest Atlantic Fisheries Organization

## Conservation and Enforcement Measures

### TABLE OF CONTENTS

Article 1 – Scope .....	4
Article 2 – Definitions .....	4
<b>CHAPTER 1 CONSERVATION AND MANAGEMENT MEASURES .....</b>	<b>4</b>
Article 3 – Quotas .....	4
Article 4 – Cod in Divisions 2J3KL .....	5
Article 5 – Shrimp in Division 3M .....	5
Article 6 – Shrimp in Division 3L .....	5
Article 7 – Greenland Halibut in Subareas 2 and Divisions 3KLMNO .....	6
Article 8 – Quota Adjustments .....	7
Article 9 – By-Catch Requirements .....	7
Article 10 – Gear Requirements .....	8
Article 11 – Minimum Fish Size Requirements .....	8
Article 12 – Area and Time Restrictions .....	8
Article 13 – Conservation and Management of Sharks .....	10
<b>CHAPTER II CONTROL MEASURES .....</b>	<b>10</b>
Article 14 – Authorization to Fish .....	10
Article 15 – Chartering Arrangements .....	11
Article 16 – Vessel Register .....	12
Article 17 – Vessel Requirements .....	12
Article 18 – Marking of Gear .....	12
Article 19 – Product Labelling Requirements .....	12
<b>CHAPTER III MONITORING OF FISHERIES .....</b>	<b>13</b>
Article 20 – Recording of Catch and Stowage .....	13
Article 21 – Reporting of Catch and Fishing Effort .....	13
Article 22 – Vessel Monitoring System (VMS) .....	13
Article 23 – Communication of Catches .....	14
Article 24 – Observer Program .....	15
<b>CHAPTER IV JOINT INSPECTION AND SURVEILLANCE SCHEME .....</b>	<b>16</b>
Article 25 – General Provisions .....	16
Article 26 – Notification Requirements .....	17
Article 27 – Inspectors .....	17
Article 28 – Surveillance Procedure .....	17
Article 29 – Inspection Procedure .....	18
Article 30 – Obligations of Vessel Masters During Inspection .....	18
Article 31 – Inspection Reports .....	19
Article 32 – Procedures to Deal with Infringements .....	19
Article 33 – Serious Infringements .....	19
Article 34 – Enhanced Follow-up with regard to certain Serious Infringements .....	20
Article 35 – Follow Up to Infringements .....	21
Article 36 – Enforcement Measures .....	21
Article 37 – Treatment of Reports from Inspectors .....	21
Article 38 – Report on Infringements .....	21

Article 39 – Reports on Inspection and Surveillance Activities.....	22
Article 40 – Interpretation or Application.....	22
<b>CHAPTER V INSPECTIONS IN PORT .....</b>	<b>22</b>
Article 41 – Port Inspection Procedures.....	22
Article 42 – Transmission of Port Inspection Reports .....	23
<b>CHAPTER VI SCHEME TO PROMOTE COMPLIANCE BY NON-CONTRACTING PARTY VESSELS WITH RECOMMENDATIONS ESTABLISHED BY NAFO .....</b>	<b>23</b>
Article 43 – Scope and Objectives .....	23
Article 44 – Sightings and identifications of non-Contracting Party vessels / Presumption of NCP vessels undermining NAFO Conservation and Enforcement Measures.....	23
Article 45 – Inspections at Sea.....	23
Article 46 – Inspections in Port.....	24
Article 47 – Fishing Activities .....	24
Article 48 – Notification of presumed IUU activities and establishment of a Provisional List .....	24
Article 49 – Establishment of the IUU List.....	24
Article 50 – Follow-up Actions.....	25
Article 51 – Actions vis-à-vis Flag States .....	26
<b>CHAPTER VII ELECTRONIC REPORTING, SATELLITE TRACKING AND OBSERVERS.....</b>	<b>26</b>
Article 52 – Scope.....	26
Article 53 – Implementation.....	26
Article 54 – Daily Reports.....	27
Article 55 – Data Collection/Compilation/Analysis.....	27
Article 56 – Costs .....	27
Article 57 – Follow-up.....	27
<b>ANNEX I.A. ANNUAL QUOTA TABLE .....</b>	<b>28</b>
<b>ANNEX I.B EFFORT ALLOCATION SCHEME FOR SHRIMP FISHERY IN THE NAFO REGULATORY AREA DIVISION 3M, 2007 .....</b>	<b>31</b>
<b>ANNEX I.C REBUILDING PLAN FOR DIVISIONS 3LMNO GREENLAND HALIBUT .....</b>	<b>32</b>
<b>ANNEX II LIST OF SPECIES .....</b>	<b>33</b>
<b>ANNEX III MINIMUM FISH SIZE.....</b>	<b>36</b>
<b>ANNEX IV FORMATS FOR REGISTER OF VESSELS .....</b>	<b>37</b>
<b>ANNEX V FISHING VESSEL CODES .....</b>	<b>39</b>
<b>ANNEX VI GEAR CODES .....</b>	<b>40</b>
<b>ANNEX VII VESSEL DOCUMENTS.....</b>	<b>41</b>
<b>ANNEX VIII RECORDING OF CATCH (LOGBOOK ENTRIES).....</b>	<b>42</b>
<b>ANNEX IX VMS DATA FORMAT .....</b>	<b>43</b>
<b>ANNEX X FORMAT FOR THE COMMUNICATION OF CATCHES AND REPORTS BY FISHING VESSELS..</b>	<b>44</b>
<b>ANNEX XI REPORT OF INSPECTION .....</b>	<b>47</b>
<b>ANNEX XII SURVEILLANCE REPORT FORM .....</b>	<b>51</b>
<b>ANNEX XIII PORT INSPECTION REPORT.....</b>	<b>53</b>
<b>ANNEX XIV MESH MEASUREMENTS AND GAUGES .....</b>	<b>58</b>
<b>ANNEX XV AUTHORIZED TOPSIDE CHAFERS .....</b>	<b>60</b>
<b>ANNEX XVI DOCUMENT OF IDENTITY.....</b>	<b>63</b>
<b>ANNEX XVII INSPECTION PENNANTS.....</b>	<b>64</b>
<b>ANNEX XVIII NAFO INSPECTION SEAL.....</b>	<b>65</b>
<b>ANNEX XIX RULES ON CONFIDENTIALITY .....</b>	<b>66</b>
<b>ANNEX XX(A) DAILY CATCH REPORT/OBSERVER REPORT .....</b>	<b>68</b>
<b>ANNEX XX(B) WEEKLY REPORTS.....</b>	<b>70</b>
<b>ANNEX XX(C) PRODUCT FORM CODES.....</b>	<b>71</b>
<b>ANNEX XXI SHRIMP TOGGLE CHAINS.....</b>	<b>72</b>
<b>ANNEX XXII DATA EXCHANGE FORMAT AND PROTOCOLS .....</b>	<b>74</b>

### **Amendment Adopted at STACTIC Meeting, April 2005**

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Annex XX, Items 4.3-.4.4	FC Doc. 05/3

### **Amendments Adopted at Annual Meeting, September 2005**

<b>CEM Article/Annex (new numbers)</b>	<b>Source</b>
Article 2.6 – 2.9	GC Doc. 05/3
Article 4 (last sentence)	FC September Report (item 18.1)
Article 7.6c)	FC Doc. 05/10
Article 13	FC Doc. 05/8
Article 21.5 and 6	FC Doc. 05/7
Article 23.1c) and 23.2	FC Doc. 05/9
Article 33.7	FC Doc. 05/11
Articles 41 - 49	GC Doc. 05/3
Annex I.A	Annual Quota Table
Annex I.B	Effort Allocation Scheme for Shrimp Fishery in the NAFO Regulatory Area Division 3M, 2006
Annex X.2) and 4)	FC Doc. 05/9
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Article 6.4	FC Doc. 06/12
Article 9	FC Doc. 06/11
Article 10.1e)	FC Doc. 06/9
Article 12.1	FC Doc. 06/8
Articles 12.5-12.10	FC Doc. 06/5
Article 19.1	FC Doc. 06/12
Article 20.5	FC Doc. 06/11
Article 20.6	FC Doc. 06/12
Article 22.7	STACTIC Report, September 2006, item 6vi
Article 22.8	FC Doc. 06/6
Article 23.2 and Article 23.4	STACTIC Report, September 2006, item 6vi
Articles 34-38	FC Doc. 06/11
Article 44.2-44.3	GC Doc. 06/4
Article 48.3	GC Doc. 06/4
Article 49.5	GC Doc. 06/4
Article 49.6	GC Doc. 06/4
Article 49.8	GC Doc. 06/4
Article 50	GC Doc. 06/4
Articles 52-57	FC Doc. 06/13
Annex I.A	Annual Quota Table (2007)
Annex I.B	Effort Allocation Scheme for Shrimp Fishery in the NAFO RA Division 3M, 2007
Annex XX(a)1 (title only)	FC Doc. 06/13
Annex XXII	STACTIC Report, September 2006, item 6vi

## **Article 1 – Scope**

1. These Measures shall, unless otherwise provided, apply to all fishing vessels used or intended for use for the purposes of commercial fishing activities conducted on fisheries resources in the Regulatory Area as defined in Article I of the NAFO Convention.
2. Unless otherwise provided, research vessels shall not be restricted by conservation and management measures pertaining to the taking of fish, in particular, concerning mesh size, size limits, closed areas and seasons.

## **Article 2 - Definitions**

1. “fishing vessel” means any vessel which is or has been engaged in fishing activities, including fish processing vessels and vessels engaged in transshipment or any other activity in preparation for or related to fishing, including experimental or exploratory fishing;
2. “research vessel” means any permanent research vessel or vessel normally engaged in fishing activities or fisheries support activity employed or chartered for fishery research, which has been duly notified to the Executive Secretary;
3. “fishing activities” means fishing, fish processing operations, the transshipment of fish or fish products, and any other activity in preparation for or related to fishing in the Regulatory Area.
4. “inspector” means an inspector of the fishery control services of the Contracting Parties assigned to the Joint Inspection and Surveillance Scheme in Chapter IV.
5. “fishing trip” means the time beginning when the vessel enters the Regulatory Area and ending when the vessel leaves the Regulatory Area and all catch on board from the Regulatory Area is unloaded or transhipped.
6. "non-Contracting Party vessel" means any vessel not flagged to a Contracting Party, including vessels for which there are reasonable grounds for suspecting them to be without nationality.
7. "IUU fishing" means activities as defined in paragraph 3 of the FAO International Plan of Action to prevent, deter and eliminate illegal, unreported and unregulated fishing.
8. "IUU List" means the list, established pursuant to Articles 48.6 and 49 of Chapter VI, containing the particulars of vessels that have been found by the General Council to have engaged in IUU fishing.
9. "Provisional List" means the list, established pursuant to Article 48 of Chapter VI, containing the particulars of vessels that have been identified as having engaged in fishing activities, according to information received pursuant to Articles 44 to 47 or information received in reports pursuant to Article 49 of Chapter VI.

## **Chapter 1**

### **CONSERVATION AND MANAGEMENT MEASURES**

#### **Article 3 - Quotas**

1. Each Contracting Party shall limit its catches of the stocks listed in Annex I.A so that neither the quota allocated to a Contracting Party nor the quota allocated to "Others" is exceeded.
2. Each Contracting Party to which a quota has been allocated shall close its fishery in the Regulatory Area for the stocks listed in Annex I.A on the date on which the accumulated reported catch, the estimated unreported catch, the estimated quantity to be taken before the closure of the fishery and the likely by-catches during the period to which the quota applies, equal 100 percent of the quota allocated to that Contracting Party. Such Contracting Party shall promptly notify the Executive Secretary of the date on which that Party will close its fishery for the stocks concerned. The Executive Secretary shall promptly inform all other Contracting Parties of such notification.
3. Each Contracting Party which has not been allocated a quota of a particular stock listed in Annex I.A shall be allowed to fish on the quota allocated to “Others”. Those Contracting Parties shall notify the Executive Secretary, at least 48 hours in advance of each entry after a minimum of 48 hours of absence from the Regulatory Area, of their vessels intended to fish on such a quota. This notification shall, if possible, be accompanied with an estimate of the projected catch.
4. The Executive Secretary shall notify without delay and by the most rapid electronic means available all Contracting Parties of the date on which the accumulated reported catch, the estimated unreported catch, the estimated quantity to be taken before the closure of the fishery and the likely by-catches during the period to which the quota applies, equal 100 percent of the quota allocated to "Others" in Annex I.A for a particular stock. A vessel is not allowed to start a fishery after the date a notification of closure has been issued by the Secretariat.

5. Each Contracting Party which has not been allocated a quota for a particular stock shall, within 7 days of the date of issue of such electronic notification by the Executive Secretary, close its fishery in the Regulatory Area for that stock, except for by-catches in directed fisheries for other stocks.

#### **Article 4<sup>1</sup> - Cod in Divisions 2J3KL**

1. The Fisheries Commission shall obtain annually the decision of Canada on the limit it has established for catches by Canadian fishers. This decision shall take into account the assessment of this stock by the Scientific Council. This limit shall be 95% of the TAC for this stock.
2. The Fisheries Commission shall establish a catch limit in the Regulatory Area that shall apply to the other Contracting Parties. This limit shall be 5% of the TAC for this stock.
3. The total of the catch limits set in accordance with paragraphs 1 and 2 shall constitute the TAC for 2J3KL cod.
4. The distribution key that shall apply for the 5% figure when the fishery in the Regulatory Area is resumed shall be 65.4% for the EU and 34.6% for the other Contracting Parties.

The measures in this article shall apply when a decision is taken to allow the resumption of fishing for cod in the Regulatory Area.

#### **Article 5 - Shrimp in Division 3M**

1. Each Contracting Party shall limit its shrimp fishing activities in Division 3M in accordance with Annex I B. With regard to shrimp, Division 3M shall be understood to mean Division 3M as well as that portion of Division 3L defined below (see also map in Fig. 1(1) in Article 12).

<b>Point No.</b>	<b>Latitude</b>	<b>Longitude</b>
1	47°20'0	46°40'0
2	47°20'0	46°30'0
3	46°00'0	46°30'0
4	46°00'0	46°40'0

2. Each Contracting Party with a track record in the period from 1 January 1993 to 31 August 1995 is permitted a minimum level of 400 fishing days per year. Each Contracting Party with no track record in this fishery in this period may fish for shrimp with one vessel for 100 fishing days per year.
3. Each Contracting Party shall closely monitor its vessels fishing shrimp in Division 3M and shall close its fishery when the number of fishing days available to that Party is exhausted. The number of fishing days shall be counted from vessel monitoring system (hereinafter "VMS") reports and shall include the days of entry into and exit from Division 3M. If a vessel is fishing for shrimp and other species on the same trip, the change of fishery shall be signalled and the number of fishing days counted accordingly.
4. Fishing days referred to in this Article are not transferable between Contracting Parties. Fishing days of one Contracting Party may only be utilized by a vessel flying the flag of another Contracting Party under the conditions laid down in Article 15.

#### **Article 6 - Shrimp in Division 3L**

1. With regard to shrimp, Division 3L shall be understood to mean Division 3L except that portion of 3L adjacent to Division 3M defined by footnote in Article 5 and Figure 1 in Article 12.
2. The quota allocated to Canada shall be fished within the Canadian zone. The remaining quota shall be allocated within the Regulatory Area between all other Contracting Parties.
3. Contracting Parties shall not conduct exploratory or research fisheries which take catch beyond the quota allocated to the Contracting Party.

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<sup>1</sup> The measures in this article shall not serve as a precedent in future years for the fixation of catch limits or the criteria for quota distribution of stocks of other species.

4. Prior to entry into any port, vessels or their representatives shall provide the competent port authority at least 24 hours before the estimated time of arrival with the following:
  - i) Estimated time of arrival;
  - ii) Estimate of quantities of shrimp retained onboard;
  - iii) Information on the Division or Divisions where the catches were taken.

## **Article 7 - Greenland halibut in Subarea 2 and Divisions 3KLMNO**

1. Contracting Parties shall implement a fifteen-year rebuilding programme for the Greenland halibut stock in Subarea 2 and Divisions 3KLMNO.
2. The objective of this programme shall be to attain a level of exploitable biomass 5+ of 140,000 tonnes on average, allowing a stable yield over the long term in the Greenland halibut fishery.
3. For this purpose, a total allowable catch for the following years is established as follows:
  - 2004: 20,000 tonnes
  - 2005: 19,000 tonnes
  - 2006: 18,500 tonnes
  - 2007: 16,000 tonnes

The total allowable catch for subsequent years shall be established taking into account the progress made in the rebuilding of the stock.

4. The Scientific Council shall monitor and review the progress of the programme and submit each year an assessment thereon to the Fisheries Commission.
5. The total allowable catch from 2008 onwards may be adjusted by the Scientific Council advice. However, the total allowable catch shall not be set at levels beyond 15% less or greater than the total allowable catch of the preceding year.
6. The following specific measures shall be applicable with regard to the Greenland halibut fishery in Subarea 2 and Divisions 3KLMNO in respect of vessels 24 meters in length or greater:
  - a) Contracting Parties shall issue specific authorizations to vessels fishing for Greenland halibut (hereafter referred to as 'authorized vessels') and shall transmit the list of such vessels to the NAFO Secretariat.
  - b) Each Contracting Party shall allocate its quota for Greenland halibut among its authorized vessels.
  - c) Authorized vessels may only land Greenland halibut catches in designated ports.

To this end each Contracting Party shall designate ports of that Contracting Party in which landings of Greenland halibut are authorized and communicate a list of these ports to the Executive Secretary by 1 January 2006. Each Contracting Party shall transmit to the Executive Secretary any subsequent changes in the list at least 15 days before they enter into force. On the basis of this information the Executive Secretary shall establish a list of designated ports and transmit it as well as any subsequent changes to all Contracting Parties.

Prior to entry into any designated port authorized vessels or their representatives shall provide the competent port authority at least 48 hours before the estimated time of arrival with the following:

- i) Estimated time of arrival;
- ii) Estimate of quantities of Greenland halibut retained onboard;
- iii) Information on the zone or zones where the catches were taken.

Each landing shall be subjected to an inspection in port. The corresponding port inspection report shall be transmitted to the NAFO Secretariat within 14 working days from the date on which the inspection was completed. The NAFO Secretariat shall make these reports available to other Contracting Parties upon request.

- d) Contracting Parties shall implement a catch reporting regime that ensures effective monitoring of the utilization of each vessel's quota.
7. Each Contracting Party shall adjust fishing effort commensurate with the available fishing opportunities.
8. In reviewing the implementation of this rebuilding plan, the Fisheries Commission may decide on additional measures to ensure the effective attainment of its objective.
9. Contracting Parties shall prohibit landings from non-Contracting Party vessels that have engaged in fishing activities in the Regulatory Area.

10. Contracting Parties fishing on the Others quota shall be subject to the notification and reporting requirements pursuant to Article 3, paragraph 3 and Article 21, paragraph 3 of the Conservation and Enforcement Measures.

## **Article 8 - Quota Adjustments**

1. When information satisfactory to the Executive Secretary indicates that there are reasonable grounds for believing that a quota of a Contracting Party has been taken, he shall within one working day inform that Contracting Party. Should that Contracting Party fail within 15 days either to cease fishing or to demonstrate that the quota has not been taken, the Executive Secretary shall so report without delay to the Fisheries Commission.
2. When the Fisheries Commission finds that vessels of a Contracting Party have taken more than the quota allocated to that Contracting Party, the Commission may adjust the corresponding quota for that Contracting Party in a succeeding quota period.
3. When the Fisheries Commission finds that a Contracting Party, contrary to the provisions of Article 3, has fished on a quota allocated to "Others" without reporting its intention to fish on that quota, failed to report its catches taken under such a quota, or continued a directed fishery under such quota after this fishery had been closed, the Commission may propose measures to compensate for damage caused to the stock. Such measures may include adjustments to quotas or the establishment of new quotas for that Contracting Party as appropriate.
4. Quota adjustments shall be made during the determination by the Fisheries Commission of relevant quotas for the following quota period, and shall not result in an increase in any other quota for the Contracting Party to which the quota adjustment applies. Any quota adjustment shall not result in an increase in the relevant quota for any other Contracting Party, unless the Commission determines that the increase will not cause further harm to the stock.

## **Article 9 - By-catch Requirements**

1. By-catch retained on board
  - a) Vessels of a Contracting Party shall limit their by-catch to a maximum of 2500 kg or 10%, whichever is the greater, for each species listed in Annex I for which no quota has been allocated in that Division to that Contracting Party.
  - b) In cases where a ban on fishing is in force or an "Others" quota has been fully utilized, the by-catch of the species concerned may not exceed 1250 kg or 5%, whichever is the greater.
  - c) The percentages in a) and b) are calculated as the percentage, by weight, for each species of the total catch retained on board. Catches of shrimp shall not be included in the calculation of by-catch levels of ground fish species.
2. By-catch in any one haul
  - a) If the percentages of by-catches in any one haul have exceeded the percentages laid down in paragraph 1 a) and b) the vessel must immediately move a minimum of 10 nautical miles from any position of the previous tow and throughout the next tow keep a minimum distance of 10 nautical miles from any position of the previous tow. If after moving, the next haul exceeds these by-catch limits the vessel must leave the Division and not return for at least 60 hours.
  - b) In the event that total by-catches of all ground fish species subject to quota in any haul in the shrimp fishery exceed 5% by weight in Division 3M or 2.5% by weight in Division 3L, the vessel must move a minimum of 10 nautical miles from any position of the previous tow and throughout the next tow keep a minimum distance of 10 nautical miles from any position of the previous tow. If after moving, the next haul exceeds these by-catch limits the vessel must leave the Division and not return for at least 60 hours.
  - c) The percentage of by-catch authorized in any one haul is calculated as the percentage, by weight, for each species of the total catch in that haul.
3. Directed fishery and by-catch
  - a) Masters shall not conduct directed fisheries for species for which by-catch limits apply. A directed fishery for a species shall be deemed to have been conducted when that species comprises the largest percentage by weight of the total catch in any one haul.
  - b) However, when a vessel is conducting a directed fishery for skate with a legal mesh size appropriate for that fishery, the first time that, in a haul, catches of species for which by-catch limits comprise the largest percentage, by weight of the total catch, they shall be considered as incidental. In this event the vessel shall immediately change position in accordance with the provisions of paragraph 2a) and b).
  - c) Following an absence from a Division of at least 60 hours in accordance with the provisions of paragraphs 2a) and b) masters shall undertake a trial tow the duration of which shall not exceed 3 hours. By way of derogation from paragraph a), if in a haul from such a trial tow catches of species for which by-catch limits comprise the largest percentage, by weight of the total catch, it shall not be considered as a directed fishery. In this event the vessel shall immediately change position in accordance with the provisions of paragraph 2a) and b).

## Article 10 - Gear Requirements

1. Minimum authorized mesh sizes shall be as follows:
  - a) 40 mm for shrimps and prawns;
  - b) 60 mm for short finned squid (*Illex*);
  - c) 280 mm in the codend and 220 mm in all other parts of the trawl for skate;
  - d) 130 mm for groundfish; and
  - e) 100 mm for pelagic *Sebastes mentella* (oceanic redfish) in Subarea 2 and Divisions 1F and 3K.
2. Meshes shall be measured in accordance with Annex XIV.
3. Vessels conducting a directed fishery for species other than those identified in paragraph 1 are however permitted to take regulated species with nets having a mesh size less than specified in paragraph 1, provided that the by-catch requirements in Article 9, paragraph 1a) are complied with.
4. Vessels which fish in areas outside the Regulatory Area may retain on board nets with a mesh size smaller than that prescribed in paragraph 1, provided that these nets are securely lashed and stowed and are not available for immediate use.
5. Strengthening ropes, splitting straps and codend floats may be used on trawls, as long as these attachments do not in any way restrict the authorized mesh or obstruct the mesh opening.
6. Vessels shall not use any means or device which would obstruct the meshes or diminish the size of the meshes. However, vessels may attach devices described in Annex XV to the upperside of the codend in such a manner that they will not obstruct the meshes of the codend inclusive of any lengthener(s). In addition, canvas, netting or other material may be attached to the underside of the codend of a net to reduce and prevent damage.
7. Vessels fishing for shrimp in Divisions 3L or 3M shall use sorting grids or grates with a maximum bar spacing of 22 mm. Vessels fishing for shrimp in Division 3L shall also be equipped with toggle chains of a minimum 72 cm in length, as described in Annex XXI.

## Article 11 - Minimum Fish Size Requirements

1. Vessels shall not retain on board any fish of a species for which minimum fish size requirements apply in accordance with Annex III. If the amount of undersized fish in any one haul exceeds 10% by number, the vessel shall immediately move a minimum 5 nautical miles from any position of the previous haul.
2. Undersized fish shall not be processed, transhipped, landed, transported, stored, displayed or offered for sale, but shall be returned immediately to the sea. Any processed fish for which minimum fish size requirements apply which is below a length equivalent in Annex III shall be deemed to originate from fish that is below the minimum fish size.
3. Notwithstanding paragraphs 1 and 2, Canadian vessels shall abide by their equivalent national regulations, which require landing of all catches.

## Article 12 - Area and Time Restrictions

1. Fishing for shrimp is prohibited between 00.01GMT on the first date and 24.00 GMT on the last date of the following periods:

Area	Fishing is prohibited
3M*	1 June – 31 December
3L*	1 April – 30 June

\*as defined by Article 12.2 and 12.3

2. All fishing for shrimp in Division 3L shall take place in depths greater than 200 meters and shall be limited at any one time to one vessel per each flag state Contracting Party's allocation. The fishery in the Regulatory Area shall be restricted to an area east of a line bound by the following co-ordinates: 46°00'N/47°53'W, 46°40'N/47°20'W, 47°19'N/47°43'W.
3. The closed area in Division 3M is defined by figure 1(2):

(1) Point No.	Latitude	Longitude	(2) Point No.	Latitude	Longitude
1	47°20'0	46°40'0	1 (same as no.7)	47°55'0	45°00'0
2	47°20'0	46°30'0	2	47°30'0	44°15'0



3	46°00'0	46°30'0	3	46°55'0	44°15'0
4	46°00'0	46°40'0	4	46°35'0	44°30'0
			5	46°35'0	45°40'0
			6	47°30'0	45°40'0
			7 (same as no. 1)	47°55'0	45°00'0

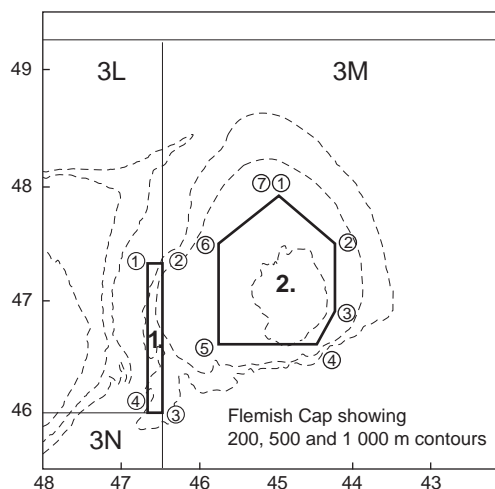


Figure 1. Geographic coordinates of areas in 3L (1) and 3M (2) referred to in Articles 5, 6, and 12.

4. Fishing for squid is prohibited between 00.01GMT on the first date and 24.00 GMT on the last date of the following periods:

Area	Fishing is prohibited
3 + 4	1. January – 30. June

5. As of January 1, 2007, and until December 31, 2010, the following areas shall be closed to all fishing activities involving demersal fishing gears. The closed areas are defined by connecting the following coordinates (in numerical order and back to coordinate 1).

Area	Coordinate 1	Coordinate 2	Coordinate 3	Coordinate 4
Orphan Knoll	50°00'30"N 45°00'30"W	51°00'30"N 45°00'30"W	51°00'30"N 47°00'30"W	50°00'30"N 47°00'30"W
Corner Seamounts	35°00'00"N 48°00'00"W	36°00'00"N 48°00'00"W	36°00'00"N 52°00'00"W	35°00'00"N 52°00'00"W
Newfoundland Seamounts	43°29'00"N 43°20'00"W	44°00'00"N 43°20'00"W	44°00'00"N 46°40'00"W	43°29'00"N 46°40'00"W
New England Seamounts	35°00'00"N 57°00'00"W	39°00'00"N 57°00'00"W	39°00'00"N 64°00'00"W	35°00'00"N 64°00'00"W

6. At the 2007 Annual Meeting, the Fisheries Commission shall consider providing access to a small scale and restricted exploratory fishery, effective January 1, 2008, not to exceed 20% of the fishable area of each seamount. These representative areas that may be fished on each seamount will be recommended by the Scientific Council based on existing survey and commercial data from these seamount areas. Scientific Council is requested to provide the Fisheries Commission, at the 2007 Annual Meeting, recommendations on: 1) areas that could be fished on each seamount and, 2) a protocol for the collection of the data required to assess these seamounts, with a view to future recommendations on management measures for these areas.
7. Contracting Parties shall provide the Executive Secretary, in advance of the June 2007 Scientific Council meeting, with all existing data from survey and commercial fisheries that have taken place in these seamount areas. The Executive Secretary will forward this information to the Scientific Council for its review in making the above noted recommendations to the Fisheries Commission.
8. Vessels may only fish in the defined areas in accordance with the protocol established by the Scientific Council and adopted by the Fisheries Commission. In addition to the protocol, vessels fishing in the areas defined in paragraph 5, shall have a scientific observer onboard.
9. If vessels fishing in the areas defined in paragraph 5 encounter hard corals, notification of the location of the coral area is to be provided to the Executive Secretary which will implement an immediate temporary closure of that area to all Contracting Parties pending a Fisheries Commission decision at the next Annual Meeting.

10. The measures referred to in paragraphs 5-9 shall be reviewed in 2010 by the Fisheries Commission, based on the advice from the Scientific Council, and a decision shall be taken on future management measures which may include extending the application of these measures for an additional period or making the closure(s) permanent.

### **Article 13 – Conservation and Management of Sharks**

1. Contracting Parties shall report data for all catches of sharks, in accordance with the data reporting procedures laid down in Chapter III, including available historical data.
2. Contracting Parties shall ensure that fishing vessels fully utilize their entire catches of sharks. Full utilization is defined as retention by the fishing vessel of all parts of the shark excepting head, guts and skins, to the point of first landing.
3. Contracting Parties shall require their vessels not to have onboard shark fins that total more than 5% of the weight of sharks onboard, up to the first point of landing.

Contracting Parties that currently do not require fins and carcasses to be offloaded together at the point of first landing shall take the necessary measures to ensure compliance with the 5% ratio through certification, monitoring by an observer, or other appropriate measures.

4. The ratio of fin-to-body weight of sharks described in paragraph 3 shall be reviewed by the Scientific Council and reported back to the Commission in 2006 for revision, if necessary.
5. Fishing vessels are prohibited from retaining on board, transshipping or landing any fins harvested in contravention of these provisions.
6. In fisheries that are not directed at sharks, Contracting Parties shall encourage the release of live sharks, especially juveniles, to the extent possible, that are caught as by-catches and are not used for food and/or subsistence.
7. Contracting Parties shall, where possible, undertake research to identify ways to make fishing gears more selective.
8. Contracting Parties shall when possible conduct research to identify shark nursery areas.

## **Chapter II**

### **CONTROL MEASURES**

#### **Article 14 - Authorization to Fish**

Each Contracting Party shall:

1. authorize the use of fishing vessels flying its flag for fishing activities under Article 1 only where it is able to exercise effectively its responsibilities in respect of such vessels;
2. ensure that only authorized fishing vessels flying its flag conduct fishing activities under Article 1;
3. ensure that fishing vessels flying its flag comply with applicable measures adopted under the NAFO Convention.
4. undertake to manage the number of authorized fishing vessels and their fishing effort commensurate to the fishing opportunities available to that Contracting Party in the Regulatory Area.

#### **Article 15 - Chartering Arrangements**

1. A Contracting Party may utilize partly or wholly quota and fishing days allocated to that Party under Annex I by way of a chartering arrangement with a fishing vessel flying the flag of another Contracting Party and notified in accordance with Article 16. Such chartering arrangement must be subject to the consent of the flag State Contracting Party.
2. The chartering Contracting Party shall limit such chartering arrangements to one fishing vessel per flag state of the chartering Contracting Party per year and for a limited duration not exceeding 6 months.
3. For the purpose of this Article the chartering Contracting Party means the Contracting Party to which the quota and fishing days have been allocated pursuant to Annex 1. The flag state Contracting Party means the Contracting Party in which the chartered vessel is registered.
4. Chartering arrangements involving vessels identified as having been involved in IUU fishing activities pursuant to Chapter VI shall not be permitted.

5. The relevant flag State Contracting Party is responsible for ensuring that the vessel complies with the requirements of these Conservation and Enforcement Measures. This does not nullify the obligations under Chapter I of the chartering Contracting Party to which the quota and fishing days have been allocated originally.
6. When operating under chartering arrangements, the chartered vessels shall not be authorized at the same time to utilize the quota or fishing days of the flag State Contracting Party. The vessel shall not be authorized to fish under more than one chartering arrangement at the same time. Any transshipment at sea shall be previously authorized by the chartering flag state Contracting Party and shall be carried out under the supervision of an observer on board.
7. Chartering Contracting Parties intending to have recourse to such chartering arrangements shall notify prior to commencement of the chartering arrangement the following information to the Executive Secretary:
  - a) the name and registration of the chartered vessel and the relevant flag Contracting Party;
  - b) previous name(s) and flag state(s) of the vessel, if any;
  - c) the name and address of the owner(s) and operators of the vessel;
  - d) a copy of the chartering and the fishing licence issued by the chartering Contracting Party;
  - e) the fishing possibilities concerned;
  - f) the date as from which the vessel is authorized to commence fishing on these fishing possibilities; and
  - g) the duration of the chartering arrangement.
8. The relevant flag State Contracting Party shall notify in writing its consent to the Executive Secretary.
9. The Executive Secretary shall verify upon receipt of all required documentation that the chartering arrangements fulfill the conditions referred to in paragraphs 2 and 4. The Executive Secretary shall then circulate this documentation without delay to Contracting Parties, indicating the date at which the chartering arrangement becomes effective.
10. Both the chartering Contracting Party and the flag State Contracting Party shall inform the Executive Secretary of the termination of the chartering arrangement and the beginning and ending of fishing operations under it.
11. All catches and by-catches from notified chartering arrangements shall be recorded by the relevant chartering and flag State Contracting Party separate from other national catch data recorded pursuant to Article 20. They shall be reported to the Contracting Party to which the fishing possibilities have been allocated and to the Executive Secretary, separately from other national catch data pursuant to Article 21. The Executive Secretary shall add these catches to the catch statistics of the Contracting Party to which the fishing possibilities were originally allocated.
12. The chartering Contracting Party shall report to the Executive Secretary by 1 July each year, and for the previous calendar year, all relevant information concerning the implementation of chartering arrangements notified under this Article, including information on catches taken and fishing effort deployed by the chartered vessel.
13. The Executive Secretary shall by 15 August each year submit a report to the Fisheries Commission providing an overview of chartering arrangements and their compliance with the provisions of this Article. The Fisheries Commission shall, on the basis of this report, review compliance with the provisions of this Article at each Annual Meeting.

## **Article 16 - Vessel Register**

1. The Executive Secretary shall establish and maintain a register of all fishing vessels of more than 50 gross tons authorized to fish in the Regulatory Area. Fishing vessels not entered into this register are deemed not to be authorized to fish in the Regulatory Area. Contracting Parties shall by 1 January 2004 notify the list vessels which are authorized to operate in the Regulatory Area. The notification shall be made in a electronic form and in accordance with the format prescribed in Annex IV, Section A.
2. Vessels subject to bare boat chartering shall be notified to the Executive Secretary by the flag Contracting Party at the latest one month prior to the departure of the vessel from its home port. The notification shall be made in a electronic form and in accordance with the format prescribed in Annex IV, Section A. Each Contracting Party shall notify the Executive Secretary of any modification to this information within 30 days of the modification.
3. Contracting Parties shall notify the Executive Secretary prior to the commencement of a fishery research period of all research vessels authorized to conduct research activities in the Regulatory Area. The notification shall be made in an electronic form and in accordance with the format prescribed in Annex IV, Section B.
4. For vessels which are temporarily employed in research only, Contracting Parties shall immediately inform the Executive Secretary when the research activities are concluded. The information transmitted to the Executive Secretary shall be available in the English language aboard the vessel, either in the form of a plan of research or as a copy of the communication to the Executive Secretary.

5. If any changes are made to the plan or period for such vessels referred to in paragraph 4, the revised information shall be given to the Executive Secretary not less than seven days before the effective date of the changes. A record of any changes shall be kept aboard the vessel.
6. Contracting Parties shall promptly notify, after the establishment of the initial register, the Executive Secretary of any addition to, any deletion from and/or any modification of the register at any time such changes occur.
7. The Executive Secretary shall promptly make the register available to all Contracting Parties in a systematic fashion and in accordance with applicable confidentiality requirements. The Executive Secretary shall delete vessels in the register which have not been active in the Regulatory Area for two consecutive years.

### **Article 17 - Vessel Requirements**

1. Fishing vessels shall be marked in such a way that they can be readily identified in accordance with internationally accepted standards, such as the FAO Standard Specifications for the Marking and Identification of Fishing Vessels.
2. Fishing vessels over 10 metres in length shall carry on board documents issued by the competent authority of the State in which it is registered showing at least the elements referred to in Annex VII.
3. Fishing vessels over 17 metres in length which freeze or salt fish shall keep on board up-to-date drawings or descriptions of their fish rooms, including an indication of their storage capacity in cubic metres.
4. Any modification to the documents referred to in paragraphs 2 and 3 shall be certified by the competent authority of the State in which the vessel is registered and clearly explained.

### **Article 18 - Marking of Gear**

1. Gear used by fishing vessels shall be marked in accordance with international standards, in particular the Convention on conduct of Fishing operations in the North Atlantic signed in London on 1 June 1967.
2. Marker buoys and similar objects floating on the surface and intended to indicate the location of fixed fishing gear shall display the registration number of the fishing vessels to which they belong.

### **Article 19 - Product Labelling Requirements**

1. When processed all fish harvested in the Regulatory Area shall be labelled in such a way that each species, product category and date of capture is identifiable. It shall also be clearly marked as having been caught in the Regulatory Area. Furthermore, all shrimp harvested in Division 3L and 3M and all Greenland halibut harvested in Subarea 2 and Divisions 3KLMNO shall be marked accordingly with the stock area.

## **Chapter III**

### **MONITORING OF FISHERIES**

#### **Article 20 - Recording of Catch and Stowage**

1. Fishing vessels shall, on entering the Regulatory Area, have a record in its fishing logbook of the amount of each species of fish retained on board.
2. Fishing vessels shall record their catches on a daily basis. All logbook entries listed in Annex VIII shall be completed in accordance with its instructions using the codes specified therein.
3. The records referred to in paragraphs 1 and 2 shall correspond to the smallest geographical area for which a quota has been allocated, show the disposition of the catch and include any fish off-loaded while the vessel is operating in the Regulatory Area. The records shall be retained aboard the vessel for a period of at least twelve months.
4. Fishing vessels shall record their cumulative production by species in a production logbook. It shall be updated every day for the preceding day reckoned from 0000 hrs (UTC) until 2400 hrs (UTC). The production logbook shall be kept on board until the vessel has been unloaded completely.
5. Taking into account consideration for the legitimate safety and navigational responsibilities of the master of the vessel, the following shall apply:

- a) All catches taken inside the NAFO Convention Area shall be stowed separately from all catches taken outside the area. They shall be kept clearly separate, for example with plastic, plywood or netting.
  - b) Catches of the same species may be stowed in more than one part of the hold but the location where it is stowed shall be clearly represented in the stowage plan referred to in paragraph 6.
6. Fishing vessels shall keep a stowage plan that shows the location of the different species in the holds as well as the quantities of such species on board in product weight stated in kilograms. In the case of shrimp, vessels shall keep a stowage plan that specifies the location of shrimp taken in Division 3L and specifies the location of shrimp taken in Division 3M as well as the quantities of shrimp, by Division, on board in product weight stated in kilograms. The stowage plan shall be updated every day for the preceding day reckoned from 0000 hrs (UTC) until 2400 hrs (UTC). The stowage plan shall be kept on board until the vessel has been unloaded completely.

## **Article 21 - Reporting of Catch and Fishing Effort**

1. Each Contracting Party shall report its provisional monthly catches by species and stock area, as well as provisional monthly fishing days in the shrimp fishery, whether or not that Party has quota allocations for the stocks from which catches were obtained. These reports shall be sent to the Executive Secretary within 30 days of the end of the calendar month in which the catches were made.
2. The Executive Secretary shall, within 10 days following the monthly deadlines for receipt of the provisional catch statistics, collate the information received and circulate it together with aggregate catch statistics by stock area to Contracting Parties.
3. Contracting Parties whose vessels are fishing on an "Others" quota in accordance with Article 3 paragraph 3 shall report to the Executive Secretary, at 48-hour intervals, the catches taken by their vessels on such quotas.
4. Contracting Parties shall daily notify the Executive Secretary of shrimp catches taken by its vessels in Division 3L. The Executive Secretary shall forward this information to Contracting Parties with an inspection presence.

## **Article 22 - Vessel Monitoring System (VMS)**

1. In order to improve and maintain compliance with the Conservation and Enforcement Measures for their vessels fishing in the Regulatory Area, fishing vessels operating in the Regulatory Area shall be equipped with a satellite monitoring device allowing the continuous reporting of their position by the Contracting Party. The satellite monitoring device shall ensure the automatic communication at least once every two hours to a land-based fisheries monitoring centre of the flag state (hereafter referred to as FMC) of data relating to:
  - a) the vessel identification;
  - b) the most recent geographical position of the vessel (longitude, latitude) with a position error which shall be less than 500 metres, with a confidence interval of 99%; and
  - c) the date and time of the fixing of the said position of the vessel.

The first transmitted position report in the Regulatory Area detected by the FMC of the Contracting Party shall be identified as "ENT". All subsequent position reports shall be identified as "POS" except the first position report detected outside the Regulatory Area which shall be identified as "EXT".

If a Contracting Party so requests, the Secretariat shall confirm receipt of all electronic reports using a return message identified as "RET".

2. Each Contracting Party shall take the necessary measures to ensure that its FMC receives these data. The FMC of each Contracting Party shall be equipped with computer hardware and software enabling automatic data processing and electronic data transmission. Each Contracting Party shall provide for back-up and recovery procedures in case of system failures and shall take the necessary measures to ensure that the data received from its fishing vessels are recorded in computer readable form for a period of three years.
3. The masters of fishing vessels shall ensure that the satellite monitoring devices are at all times fully operational and that the information in paragraph 1 is transmitted to the FMC. In the event of a technical failure or non-operation of the satellite monitoring device fitted on board a fishing vessel, the device shall be repaired or replaced within one month. After this period, the master of a fishing vessel shall not be authorized to commence a fishing trip with a defective satellite monitoring device. Where a device stops functioning and a fishing trip lasts more than one month, the repair or the replacement has to take place as soon as the vessel enters a port and the fishing vessel shall not be authorized to continue or commence a fishing trip without the satellite monitoring device having been repaired or replaced.
4. Contracting Parties shall take the necessary measures to ensure that the master or the owner of the vessel or their representative is informed when the satellite tracking device fitted on board a vessel flying their flag appears to be defective or non-functioning.

5. Fishing vessels with a defective satellite monitoring device shall communicate, at least every 6 hours, reports containing the information in paragraph 1 to the FMC, by other means of communication (email, radio, facsimile or telex).
6. Contracting Parties shall communicate reports and messages pursuant to paragraphs 1 and 5 to the Executive Secretary as soon as possible, but not later than 24 hours after receipt of those reports and messages. If the Contracting Party so desires, its fishing vessels shall communicate reports (by satellite, email, radio, facsimile or telex) to the Executive Secretary. When the Executive Secretary has not received two consecutive position reports in accordance with paragraphs 1 and 5 and the vessel concerned has not reported that it has left the Regulatory Area the Executive Secretary shall automatically notify the FMC of the flag Contracting Party.
7. Contracting Parties shall ensure that the reports and messages transmitted between the Contracting Party and the Executive Secretary or between its fishing vessels and the Executive Secretary, shall be in accordance with the data exchange format set out in Annex IX and further described in Annex XXII.
8. The Executive Secretary shall make available as soon as possible the information received under paragraph 6 to other Contracting Parties with an inspection presence in the Regulatory Area. All reports and messages shall be treated in a confidential manner.  
  
The Executive Secretary shall make VMS data available in a summary form to the Scientific Council following specific requests from the Fisheries Commission to the Scientific Council to determine fishing effort on and around vulnerable habitats and for any other purpose.
9. When an inspector observes a fishing vessel in the Regulatory Area and has not received data in accordance with paragraphs 1 or 5 he/she shall inform the master of the vessel and the Executive Secretary, who shall immediately inform the flag Contracting Party of the vessel.
10. Contracting Parties shall notify any changes of the name, address, telephone, telex, email and facsimile numbers of their competent authorities to the Executive Secretary without delay.
11. Subject to any other arrangements between Contracting Parties, each Contracting Party shall pay all costs associated with this system.
12. The elements of the VMS program are subject to review and revision, as appropriate, for application in 2004 and subsequent years.

## **Article 23 - Communication of Catches**

1. Fishing vessels shall communicate electronically via the FMC to the Secretariat the following reports:
  - a) catch on entry into the Regulatory Area. This report shall be made at least six (6) hours in advance of the vessel's entry and shall include the date, time, geographical position of the vessel, total round weight by species (3 alpha codes) on board in kilograms (rounded to the nearest 100 kilograms) and directed species. This report shall be identified as COE;
  - b) catch on exit from the Regulatory Area. This report shall be at least six (6) hours in advance of the vessel's exit and shall include the date, time, geographical position of the vessel and catch in round weight taken and retained in the Regulatory Area by species (3 alpha codes) in kg (rounded to nearest 100 kilograms). This report shall be identified as COX;
  - c) each transshipment in the Regulatory Area. Concerning donor vessels this report shall be made at least twenty-four (24) hours in advance and concerning receiving vessels this report shall be made not later than one (1) hour after and shall include the date, time, geographical position of the transshipment and total round weight by species (3 alpha codes) to be off-loaded or which have been on-loaded in kilograms (rounded to the nearest 100 kilograms) and the call sign of vessels transhipped to or from respectively. This report shall be identified as TRA;  
  
The receiving vessel shall report the total catch onboard and the total weight to be landed, the name of port and the time of landing at least twenty-four (24) hours in advance of any landing. This report shall be identified as POR;
  - d) The total quantity of species reported under a), b) and c) for which the total round weight by species is less than one ton may be reported under the 3 alpha code "MZZ" (marine fish not specified).
2. Competent authorities of each Contracting Party shall automatically transmit the information referred to in paragraph 1 to the Executive Secretary. The Executive Secretary shall transmit the information to other Contracting Parties with an inspection presence in the Regulatory Area as soon as possible and shall ensure that all such transmissions are numbered sequentially for each Contracting Party. The port of landing report shall in addition be made available without delay to the Flag state of the vessel sending the report and to all Contracting Parties. These reports are to be treated in accordance with Annex XIX.  
  
If a Contracting Party so requests, the Secretariat shall confirm receipt of all electronic reports using a return message identified as "RET" according to the data exchange format in Annex XXII D.2.
3. For vessels that fish shrimp in Division 3L, each entry and exit from Division 3L shall require 24-hour prior notification to the Executive Secretary. All shrimp on board shall be reported to the Executive Secretary on entry and exit.

4. Contracting Parties shall ensure that the reports and messages transmitted between the Contracting Party and the Executive Secretary or between its fishing vessels and the Executive Secretary, shall be in accordance with the data exchange format set out in Annex X and further described in Annex XXII.

The sequence of messages under Article 22 and this article shall be as follows:

<b>Report:</b>	<b>Code:</b>	<b>Remarks:</b>
Catch on Entry	COE	6 hours in advance of the vessels entry into the Regulatory Area.
Entry	ENT	The first position report from a vessel detected to be inside the Regulatory Area.
Position	POS	Position report every 2 hours
Transshipment	TRA	As relevant
Port of Landing	POR	Report on catch onboard and weight to be landed
Catch on Exit	COX	6 hours in advance of the vessels departure from the Regulatory Area
Exit	EXI	The first position report from a vessel detected to be outside the Regulatory Area

## **Article 24 - Observer Program**

1. In order to improve and maintain compliance with the Conservation and Enforcement Measures for their vessels fishing in the Regulatory Area, all fishing vessels shall carry at least one observer at all times while fishing in the Regulatory Area. Contracting Parties shall have the primary responsibility to obtain independent and impartial observers and shall take all necessary measures to ensure that observers are able to carry out their duties. Observers are not to perform duties, other than those described in paragraphs 4, 5 and 6 below. Subject to any other arrangements between the relevant Contracting Parties, the salary of an observer shall be covered by the sending Contracting Party.
2. In cases where a Contracting Party has not placed an observer on a vessel, any other Contracting Party may, subject to the consent of the Contracting Party of the vessel, place an observer on board until that Contracting Party provides a replacement in accordance with paragraph 1.
3. Contracting Parties shall provide to the Executive Secretary a list of the observers they will be placing on their vessels.
4. Observers shall:
  - a) monitor a vessel's compliance with the relevant Conservation and Enforcement Measures. In particular they shall:
    - (i.) record and report upon the fishing activities of the vessel and verify the position of the vessel when engaged in fishing;
    - (ii.) observe and estimate catches with a view to identifying catch composition and monitoring discards, by-catches and the taking of undersized fish;
    - (iii.) record the gear type, mesh size and attachments employed by the master; and
    - (iv.) verify entries made to the logbooks (species composition and quantities, live and processed weight, hail and VMS reports).
  - b) collect catch and effort data for each haul. This data shall include location (latitude/longitude), depth, time of net on the bottom, catch composition and discards; in particular the observer shall collect the data on discards and retained undersized fish as outlined in the protocol developed by the Scientific Council;
  - c) carry out such scientific work (for example, collecting samples) as requested by the Fisheries Commission based on the advice of the Scientific Council; and
  - d) monitor the functioning of and report upon any interference with the satellite tracking system. In order to better distinguish fishing operations from steaming and to contribute to an a posteriori calibration of the signals registered by the receiving station, the observer shall maintain detailed reports on the daily activity of the vessel.
5. When an infringement of the Conservation and Enforcement Measures is identified by an observer, the observer shall, within 24 hours, report it to an inspection vessel using an established code, which shall report it to the Executive Secretary.
6. The observer shall within 30 days following completion of an assignment provide a report to the Contracting Party of the vessel and to the Executive Secretary, who shall make the report available to any Contracting Party that so requests. Copies of reports made available to other Contracting Parties shall not include location of catch in latitude and longitude as required under paragraph 4 b), but shall include daily totals of catch by species and division.

7. The vessel on which an observer is placed shall provide suitable food and lodging during the observer's deployment. Vessel masters shall ensure that all necessary co-operation is extended to observers in order for them to carry out their duties including providing access, as required, to the retained catch, and catch which is intended to be discarded.
8. The elements of the Observer Program are subject to review and revision, as appropriate, for application in 2005 and subsequent years.

## **Chapter IV**

### **JOINT INSPECTION AND SURVEILLANCE SCHEME**

#### **Article 25 - General Provisions**

1. Inspection and surveillance shall be carried out by inspectors of the fishery control services of Contracting Parties following their assignment to the Joint Inspection and Surveillance Scheme (hereinafter "Scheme").
2. The competent authorities of Contracting Parties with an inspection/surveillance presence in the Regulatory Area shall provide inspection vessels entering this Area with a list of sightings and boardings, including dates and positions, which have been conducted in the previous ten-day period and other relevant information, as appropriate.
3. Inspection vessels operating in the Regulatory Area shall maintain contact, as far as possible on a daily basis, and with due regard to radio security, in order to exchange information on boarding's/sightings or other relevant information and to co-ordinate their activities.
4. An inspector visiting a vessel engaged in research shall note the status of the vessel, and shall limit any inspection procedures to those procedures necessary to ascertain that the vessel is not conducting a commercial fishing operation.
5. Following notification to the Executive Secretary, and in the case of mutual agreement between the respective Contracting Parties, inspectors assigned by one Party may be placed on board inspection vessels or aircraft of another Party assigned to the scheme.
6. Contracting Parties shall aim at ensuring equal treatment between all Contracting Parties with vessels operating in the Regulatory Area through an equitable distribution of inspections. The number of inspections carried out by a Contracting Party on vessels of any other Contracting Party shall, as far as possible, reflect the ratio of the inspected Party's fishing activity to the total fishing activity in the Regulatory Area per quarter. This ratio shall be measured on the basis of, inter alia, the level of catches and vessel days on ground and shall also take into account compliance records. The Executive Secretary shall draw up an annual report on the objectivity in the realisation and distribution of inspections between the Contracting Parties.
7. For the purposes of receiving and responding to, without delay, notice of infringements, a Contracting Party with more than 15 fishing vessels operating at any one time in the Regulatory Area shall, during that time:
  - a) have an inspector or other competent authority present in the Regulatory Area; or
  - b) have a competent authority present in a country of a Contracting Party adjacent to the Convention Area.
8. The use of arms in relation to the inspection is prohibited and, in particular, the inspectors shall not carry arms. However, the prohibition on carrying or using arms shall not apply to inspections by a Contracting Party of vessels flying its own flag.
9. Without compromising their ability to conduct inspections, inspectors shall minimize the interference and inconvenience to the vessel, its activities and catch. Inspectors shall take all appropriate precautions to avoid causing damage to packaging, wrapping, cartons or other containers and to the contents of same in order to ensure, to the extent practicable, that the quality of the catch on board is maintained. Cartons and other containers shall be opened in such a way that will facilitate their prompt resealing, repacking and eventual re-storage.

#### **Article 26 - Notification Requirements**

1. Contracting Parties shall notify the Executive Secretary by 1 November each year of the names of the inspectors, inspector trainees and inspection vessels, type of helicopters or other aircraft which they are assigning to this Scheme in accordance with this Article. This notification shall include the name, the radio call sign and communication capacity for the inspection vessels and the call sign for helicopter and aircraft. Modifications to such notifications shall be communicated to the Executive Secretary with two months notice whenever possible.
2. Inspection vessels and aircraft shall immediately notify the Executive Secretary, by the most rapid electronic means available, of the date and time of commencing and terminating their duties under the scheme. In each case, these times shall be entered in the aircraft's or ship's log or its equivalent. In cases where notification is not possible or practicable, these entries shall constitute fulfilment of this requirement.



3. Contracting Parties shall inform the Executive Secretary by 1 November each year of the provisional plans for participation by its inspectors, vessels, helicopters and other aircraft in inspection and surveillance activities for the following calendar year. The Executive Secretary may make suggestions to Contracting Parties for the co-ordination of their operations, including the number of inspectors and the number of vessels, helicopters and other aircraft carrying inspectors.
4. The Executive Secretary shall circulate the substance of the notifications received from any Contracting Party to all Contracting Parties within 15 days of receipt.
5. Contracting Parties shall notify the Executive Secretary of the names of the authorities competent to receive immediate notice of infringements and the means by which they may receive and respond to communications.

## **Article 27 - Inspectors**

1. Each inspector or inspector trainee shall carry a document of identity issued by the Executive Secretary in accordance with Annex XVI and produce this document upon boarding a vessel.
2. When carrying out their duties under this Scheme, inspectors may not, with respect to vessels under the jurisdiction of other Contracting Parties, enforce laws and regulations related to the zone of the Contracting Party which has assigned them. Inspectors shall carry out their duties in accordance with the rules set out in this Scheme, but they shall remain under the operational control of the authorities of their Contracting Parties and shall be responsible to them.

## **Article 28 - Surveillance Procedure**

1. Surveillance reports shall be based on sightings made by an inspector from an inspection vessel or aircraft assigned to this Scheme.
2. When an inspector observes a vessel of a Contracting Party, and where such observation does not correspond with the latest information available to the inspector in accordance with Articles 22 and 23, the inspector shall complete the Surveillance Report Form in Annex XII. The inspector shall take photographs of the vessel which should record the position, date and time the photograph was taken.
3. The original of each Surveillance Report and any photographs shall without delay be forwarded by electronic transmission to the Contracting Party of the vessel concerned. A copy of every Surveillance Report and photographs shall also be forwarded to the Executive Secretary.
4. Contracting Parties shall, on receipt of a Surveillance Report concerning its vessels, take prompt action to consider the Report and shall, whenever possible, board the vessel concerned and conduct any further investigation necessary to allow it to determine appropriate follow-up action.
5. Each Contracting Party shall report the action taken with regard to Surveillance Reports involving its vessels to the Executive Secretary by 1 March each year for the previous calendar year. The Surveillance Reports shall be listed annually until follow-up action is concluded by the Flag State of the vessel concerned. In cases where the follow-up action results in penal action, any penalties imposed shall be described in specific terms.

## **Article 29 - Inspection Procedure**

1. No boarding shall be conducted without prior notice being sent to the vessel, including the identity of the inspection platform, whether or not such notice is acknowledged as received. The inspection shall be carried out using the inspection report prescribed in Annex XI.
2. When conducting an inspection during daylight hours in conditions of normal visibility, an inspection vessel shall display the pennants depicted in Annex XVII. Boarding vessels shall display one pennant, which may be half-scale.
3. The fishing vessel to be boarded shall not be required to stop or manoeuvre when fishing, shooting or hauling. Where an inspection vessel has signalled that an inspection party is about to commence boarding a fishing vessel which has begun or is about to begin hauling its nets, the master of that fishing vessel shall ensure that the net is not retrieved for a period of 30 minutes after receiving the signal from the inspection vessel.
4. An inspection party shall consist of at maximum two inspectors. Vessel conditions permitting, an inspection trainee may accompany the inspection party for training purposes only. In such circumstances, the inspection party shall, upon arrival on board, identify the trainee to the master of the fishing vessel. This trainee shall simply observe the inspection operation conducted by the authorized inspectors and shall in no way interfere with the activities of the fishing vessel.
5. Inspectors have the authority to examine all relevant areas, decks and rooms of the fishing vessels, processed and unprocessed catches, nets or other gear, equipment, and any relevant documents which inspectors deem necessary to verify compliance with the Conservation and Enforcement Measures.

6. Inspectors shall summarise from logbook records, for the current fishing trip, the vessel's catch in the Regulatory Area by species and by division and shall record this summary in section 14 of the inspection form. The current fishing trip shall not be considered to have ended as long as the vessel has catch on board from the Regulatory Area.
7. Contracting Parties may exercise, by letter to the Executive Secretary, the option to have inspectors summarise from logbook records for a twelve month period, instead of the current fishing trip, their vessel's catch in the Regulatory Area by species and by division and record this summary in section 14 of the inspection form.
8. Inspectors shall convert production weight recordings in the production logbooks into live weight so that the latter can be verified against the logbook entries which are made in live weight. Inspectors shall be guided by conversion factors established by the master of the vessel.
9. The duration of an inspection shall not exceed three hours, or until the net is hauled in and the net and catch are inspected, whichever is longer. This time limitation shall not apply in the case of an infringement.
10. In the case of a difference between the recorded catches and the estimates of the inspector of the catch on board the vessel, the inspector may re-check calculations, procedures, the relevant documentation used to determine the catch summaries from the Regulatory Area and the catch on board the vessel. Any such differences shall be duly noted in section 17 of the inspection report. The inspector shall leave the vessel within one hour following the completion of the original inspection.
11. The inspection report may be commented upon and shall be signed by all the persons that the form requires. A copy of the report shall be given to the master of the vessel.
12. Each Contracting Party shall ensure that its inspection platforms are kept at a safe distance from fishing vessels and that its inspectors respect the provisions of this Scheme as well as any other applicable rules of international law.

### **Article 30 - Obligations of Vessel Masters During Inspection**

1. The master of a fishing vessel shall:
  - a) facilitate boarding as soon as possible in accordance with good seamanship when given the appropriate signal in the International Code of Signals by a vessel or helicopter carrying an inspector;
  - b) facilitate the work of the inspector, in particular give access to registration documents, drawings or descriptions of their fish rooms, production logbooks or stowage plans and give such assistance as is possible and reasonable and necessary to ascertain that the stowage conforms to the stowage plan, no interference being allowed in the stowage of product or in the technological process on the vessel;
  - c) provide a boarding ladder which is in conformity with recommendations concerning pilot ladders adopted by the International Maritime Organization.

### **Article 31 - Inspection Reports**

1. The original of the inspection reports shall be transmitted within 30 days, whenever possible, to the Contracting Party for the inspected vessel.
2. In case of an infringement or a difference between recorded catches and the inspector's estimates of the catches on board, a copy of the inspection report with supporting documents, including second photographs taken, shall be transmitted to the Contracting Party for the inspected vessel. This documentation shall be transmitted within 10 days after the inspection vessel returns to port.
3. The inspectors shall also within 24 hours transmit to the Contracting Party of the inspected vessel a written statement which shall constitute advance notification of the infringement. This statement shall quote the information entered under points 16, 18 and 20 of the inspection report, cite the relevant measures and describe in detail the basis for issuing the citation for an infringement and the evidence in support of the citation.
4. A copy of all documents referred to in paragraphs 1-3 shall be transmitted to the Executive Secretary by the inspecting Contracting Party. The Executive Secretary and the Contracting Parties shall treat this information with the confidentiality required for the protection of individual data.
5. Contracting Parties inspecting vessels shall provide notification of a list of vessels inspected on a calendar monthly basis to the Contracting Parties of the vessels inspected. This list shall be transmitted via the Executive Secretary.

### **Article 32 - Procedures to deal with Infringements**

1. If an inspector observes an infringement of the Conservation and Enforcement Measures, the inspector shall:
  - a) note the infringement in the inspection report, sign the entry and obtain the countersignature of the master;

- b) enter and sign a notation in the fishing logbook or other relevant document stating the date, location, and type of infringement found. The inspector may make a copy of any relevant entry in such a document and require the master of the vessel to certify in writing on each page of the copy that it is a true copy of such entry;
  - c) if necessary, document the infringement with photographs of the gear or catch. The inspectors shall in such case give one photograph to the master of the vessel and attach a second photograph to the report sent to the Contracting Party for the inspected vessel.
2. The inspector may request that the master remove any part of the fishing gear which appears to the inspector to be contrary to the Conservation and Enforcement Measures. The inspection seal depicted in Annex XVIII shall be affixed securely to any part of the fishing gear which appears to the inspector to have been in contravention, and the inspector shall record the fact in the report. The gear shall be preserved with the seal attached until examined by an inspector or competent authority of the Contracting Party for the inspected vessel who shall determine the subsequent disposition of the gear.

### **Article 33 - Serious Infringements**

1. The following infringements shall be considered serious:
- a) fishing on an "Others" quota without prior notification to the Executive Secretary, or more than seven working days after the notification by the Executive Secretary that fishing under an "Others" quota for that stock or species was closed (Article 3).
  - b) directed fishing for a stock which is subject to a moratorium or for which fishing is prohibited (Article 9);
  - c) directed fishing for stocks or species after the date on which the Contracting Party for the inspected vessel has notified the Executive Secretary that vessels of that party will cease a directed fishery for those stocks or species (Article 3);
  - d) fishing in a closed area or with gear prohibited in a specific area (Article 12);
  - e) mesh size violations (Article 10);
  - f) fishing without a valid authorization issued by the flag Contracting Party (Article 14);
  - g) mis-recording of catches (Article 20);
  - h) interference with the satellite monitoring system (Article 22);
  - i) catch communication violations (Article 23);
  - j) preventing inspectors or observers from carrying out their duties (Articles 24 and 30);
2. If an inspector cites a vessel for having committed a serious infringement as listed in paragraph 1, he shall attempt to notify an inspector of the Contracting Party for the inspected vessel or the authority designated in accordance with Article 25, paragraph 7. The master of the inspected vessel shall if needed provide the use of the vessel's communication equipment and operator for messages to be sent out and received for this purpose.
3. The Contracting Party of the vessel shall respond without delay and shall ensure that the vessel concerned is inspected within 72 hours by an inspector authorized by that Contracting Party.
4. The inspector shall take all necessary measures to ensure security and continuity of the evidence, including, as appropriate, sealing the vessel's hold for eventual port inspection. At the request of the inspector, a master shall cease all fishing which appears to the inspector to contravene the measures referred to in paragraph 1.
5. The inspector is entitled to remain on board the vessel for the period necessary to provide information to the authorized inspector concerning the infringement. During this time, the inspector shall complete the inspection and, within a reasonable period of time, communicate with an inspector or competent authority of the Contracting Party of the inspected vessel. Following the arrival of the Contracting Party inspector, the inspector may remain aboard the inspected vessel while the Contracting Party inspector conducts an inspection, provided that the competent authority of the Contracting Party of the inspected vessel does not require the inspector to leave the vessel.
6. As long as the inspector remains aboard, the master may not resume fishing until the inspector is reasonably satisfied, as a result of either the action taken by the vessel's master or the inspector's communication with an inspector or competent authority of the Contracting Party of the inspected vessel, that the infringement will not be repeated. However, in cases where the inspector is unable to communicate with the authority of the Contracting Party of the inspected vessel, the master may resume fishing as soon as the inspector has completed the inspection and secured evidence according to paragraph 4.
7. Where justified, the authorities of the Flag State Contracting Party of the vessel concerned shall, where authorized to do so, require the vessel to proceed immediately to a port for a thorough inspection under the authority of the Flag State and in the presence of an inspector from any other Contracting Party which wishes to participate. The master should direct the vessel either to St. John's or Halifax, Canada, Saint-Pierre, France, or its home port, unless another port is designated by the Flag State. If the vessel is not called to

port, the Contracting Party must provide due justification in a timely manner to the Executive Secretary who shall make it available on request to any Contracting Party.

8. When a vessel is required to proceed to port pursuant to paragraph 7, an inspector from another Contracting Party may board and/or remain on board the vessel as it is proceeding to port, provided that the competent authority of the Contracting Party for the inspected vessel does not require the inspector to leave the vessel.
9. When an inspector cites a vessel for having committed a serious infringement as listed in paragraph 1, the inspector shall immediately report this to the Executive Secretary, who shall in turn immediately inform other Contracting Parties with an inspection vessel in the Convention Area.

### **Article 34 – Enhanced Follow-up with regard to certain Serious Infringements**

1. In addition to the provisions of Article 33 the flag state Contracting Party shall take action under this article where a vessel flying its flag has committed one of the following serious infringements:
  - a) Directed fishing for a stock which is subject to a moratorium or for which fishing is prohibited (Article 9);
  - b) Mis recording of catches (Article 20);

To be considered for follow-up action under this Article the difference between the inspector's estimates of processed catch on board, by species or in total, and the figures recorded in the production logbook shall be 10 tons or 20%, whichever is the greatest, calculated as a percentage of the production logbook figures. In order to calculate the estimate of the catch on board a stowage factor agreed between the inspectors of the inspecting Contracting Party and the Contracting Party of the inspected vessel shall be used.
  - c) The repetition of the same serious infringement mentioned in the Article 33 (1) that has been confirmed in accordance with Article 33 paragraph 5 during a 100 day period or within the fishing trip, whichever is shorter.
2. The flag state Contracting Party shall ensure that following the inspection referred to in Article 33 (3) the vessel concerned ceases all fishing activities and an investigation into the serious infringement is initiated.
3. If no inspector or other person designated by the flag state Contracting Party of the vessel to carry out the investigation as outlined in paragraph 2 is present in the Regulatory Area the flag state Contracting Party shall require the vessel to proceed immediately to a port where the investigation can be initiated.
4. When completing the investigation for any serious infringement of mis-recording of catch referred to in paragraph 1 b) the flag state Contracting Party shall ensure that the physical inspection and enumeration of total catch on board, takes place under its authority in port. Such inspection may take place in the presence of an inspector from any another Contracting Party that wishes to participate, subject to the consent of the flag state Contracting Party.
5. When a vessel is required to proceed to port pursuant to paragraph 2, 3 or 4, an inspector from another Contracting Party may board and/or remain on board the vessel as it is proceeding to port, provided that the competent authority of the Contracting Party of the inspected vessel does not require the inspector to leave the vessel.

### **Article 35 - Follow up to Infringements**

1. The competent authorities of a Contracting Party notified of an infringement committed by one of its vessels shall investigate immediately and fully this infringement to obtain the evidence required which shall include, where appropriate, the physical inspection of the vessel concerned.
2. The competent authorities of the flag state Contracting Party shall take immediate judicial or administrative action in conformity with their national legislation against the nationals responsible for the vessel flying its flag where the measures adopted by NAFO have not been respected.
3. The competent authorities of the flag state Contracting Party shall ensure that the proceeding initiated pursuant to paragraph 2 shall be capable, in accordance with the relevant provisions of national law, of providing effective measures that are adequate in severity, secure compliance, and deprive those responsible of the economic benefit of the infringement, and effectively discourage future infringements.
4. The competent authorities of the Contracting Party for the vessel concerned shall co-operate fully with those of the Contracting Party which carried out an inspection to ensure that all evidence of the infringement is prepared and preserved in a form which facilitates judicial action.
5. The provisions in this Chapter shall not impose any obligation on the competent authorities of a Contracting Party to give the report from a foreign inspector a higher evidentiary value than it would possess in the inspector's own country.

6. Resistance to an inspector or failure to comply with his directions shall be treated by the Flag State of the vessel as if the inspector were an inspector of that State.

### **Article 36 – Enforcement Measures**

1. Each flag State Contracting Party shall take enforcement measures with respect to a vessel, where it has been established, in accordance with its laws that this fishing vessel flying its flag committed a serious infringement listed in Article 34.
2. The measures referred to in paragraph 1 may include, in particular depending on the gravity of the offence and in accordance with the pertinent provisions of national law :
  - a) Fines
  - b) Seizure of illegal fishing gear and catches
  - c) Sequestration of the vessel
  - d) Suspension or withdrawal of authorization to fish
  - e) Reduction or withdrawal of the fishing quota
3. The flag State Contracting Party of the vessel concerned shall notify to the Executive Secretary, without delay, the appropriate measures taken in accordance with this Article.

### **Article 37 - Treatment of Reports from Inspectors**

1. Inspection and surveillance reports drawn up by NAFO inspectors shall constitute admissible evidence for administrative or judicial proceedings of any Contracting Parties. For establishing facts they shall be treated equally to inspection and surveillance reports of its own inspectors.
2. Contracting Parties shall collaborate in order to facilitate judicial or other proceedings arising from a report submitted by an inspector under the scheme, subject to the rules governing the admissibility of evidence in domestic judicial and other systems.

### **Article 38 - Report on Infringements**

1. Contracting Parties shall report to the Executive Secretary by 1 February (for the period 1 July – 31 December of the previous year) and 1 September (for the period 1 January – 30 June of the current year) each year:
  - a) action taken concerning infringements notified to it by a Contracting Party. The infringements shall continue to be listed on each subsequent report until the action is concluded under the laws of the Flag State; and
  - b) differences that they consider significant between records of catches in the logbooks of vessels of the Contracting Party and inspectors' estimates of catches on board the vessels.
2. The report referred to in paragraph 1 shall indicate the current status of the case (e.g. case pending, under appeal, still under investigation) and describe in specific terms any penalties imposed (e.g. level of fines, value of forfeited fish and/or gear, written warning given). The report shall include an explanation if no action has been taken.
3. In case of serious infringement referred to in Article 34, the Contracting Party concerned shall provide the Executive Secretary with a report on the progress of the investigation, including details of any action taken or proposed to be taken in relation to the serious infringement as soon as practicable and in any case within four months following the notification of the infringement and a report on the outcome of the investigation when the investigation is completed.

### **Article 39 - Reports on Inspection and Surveillance Activities**

1. Contracting Parties shall report to the Executive Secretary by 1 March each year for the previous calendar year:
  - a) the number of inspections conducted by it under this Scheme. The report shall specify the number of inspections on the vessels of each Contracting Party and, in the case of infringement, the date and position of the inspection of the named vessel and the nature of the infringement; and
  - b) the number of air hours flown on patrol, the number of sightings and the number of surveillance reports established with the date, time and position of the sightings in respect of these surveillance reports.

## **Article 40 - Interpretation or Application**

1. In the event of a disagreement concerning the interpretation or application of the provisions of this Scheme, the concerned Contracting Parties shall consult in an attempt to resolve the disagreement.
2. If the disagreement remains unresolved following the consultations, the Executive Secretary shall at the request of a Contracting Party refer the disagreement to a special meeting of the Standing Committee on International Control (STACTIC).
3. A report on the disagreement shall be drawn up by STACTIC and forwarded to the Fisheries Commission within two months of the STACTIC meeting.
4. Upon receipt of the STACTIC report, a Contracting Party may within a further period of two months request a special meeting of the Fisheries Commission to consider the report and to take appropriate action.

## **Chapter V**

### **INSPECTIONS IN PORT**

#### **Article 41 - Port Inspection Procedures**

1. When, in the port of a Contracting Party, a port call is made by a vessel which has been engaged in fishing for stocks subject to the Conservation and Enforcement Measures, that Contracting Party shall ensure that its inspector is present and that, on each occasion when catch is offloaded, an inspection takes place to verify the species and quantities caught. The port inspection report in Annex XIII shall be used. The Contracting Party shall ensure that the interference in the offloading activity is minimized and that the quality of the catch is not adversely affected.
2. The quantities landed by species and the quantities retained on board, if any, shall be cross-checked with the quantities recorded in logbooks, catch reports on exit from the Regulatory Area, and reports of any inspections carried out under the Scheme.
3. Any information from inspections under Chapter IV shall be verified.
4. Inspections shall include verification of mesh size of nets on board and size of fish retained on board.
5. Results of port inspections shall include at least the information listed in Annex XIII, Section B.
6. The competent authorities of Contracting Parties shall, every two years, check each of their vessels, notified in accordance with Article 16, to certify the correctness of the vessel's plans for fish rooms and other fish storage places. The master shall ensure that a copy of such certification remains on board to be shown to a NAFO inspector if requested.

#### **Article 42 - Transmission of Port Inspection Reports**

1. The competent authorities of the Port State shall, on request, transmit the results of the port inspection to the Flag State of the vessel within 14 working days of the date on which the port inspection was completed.
2. A copy of the results of the port inspection shall be transmitted to the Executive Secretary within 30 days as from the date on which the landing was completed and shall be provided to other Contracting Parties on request.
3. Where possible, Contracting Parties should transmit the results of the port inspection in accordance with this paragraph in the format defined in Annex XIII, Section A.

## **Chapter VI**

### **SCHEME TO PROMOTE COMPLIANCE BY NON-CONTRACTING PARTY VESSELS WITH RECOMMENDATIONS ESTABLISHED BY NAFO**

#### **Article 43 – Scope and Objectives**

1. The purpose of this Scheme is to promote compliance by non-Contracting Party vessels with recommendations established by NAFO and to prevent, deter and eliminate fishing activities by non-Contracting Party vessels that undermine the effectiveness of the Conservation and Enforcement Measures established by the Organization.
2. Nothing in this Scheme shall affect the sovereign rights of Contracting Parties to impose additional measures to promote compliance by NCP vessels, in accordance with international law.

3. This Scheme shall be interpreted in a manner consistent with international law, including the rights of port access in case of force majeure or distress in accordance with the United Nations Law of the Sea, and the principles, rights and obligations in WTO agreements, and be implemented in a fair and transparent manner.

#### **Article 44 - Sightings and Identifications of non Contracting Party vessels / Presumption of NCP vessels undermining NAFO Conservation and Enforcement Measures**

1. A non-Contracting Party vessel that has been sighted or by other means identified by a Contracting Party as engaging in fishing activities in the Regulatory Area is presumed to be undermining the effectiveness of Conservation and Enforcement Measures. In the case of any transshipment activities involving a sighted non-Contracting Party vessel, inside or outside the Regulatory Area, the presumption of undermining Conservation and Enforcement Measures applies to any other non-Contracting Party vessel that has engaged in such activities with that vessel.
2. For the purposes of paragraph 1, recognizing the adjacent boundary of the NRA with the Convention Area of North East Atlantic Fisheries Commission (NEAFC); the existence of stocks that straddle the boundary between these areas; and the global nature of IUU vessel activities, a non-Contracting Party vessel that has been placed on the NEAFC IUU list is presumed to be engaging in fishing activities in the NRA and thereby undermining the effectiveness of Conservation and Enforcement Measures.
3. Information regarding sightings or identifications as specified in paragraph 1 shall be immediately transmitted to the Secretariat. For sightings, the Surveillance Report provided in Annex XII shall be used. The Secretariat shall then transmit this information to all Contracting Parties and other relevant Regional Fisheries Management Organizations within one business day of receiving this information, and to the flag State as soon as possible.
4. The Contracting Party shall attempt to inform the vessel that it has been sighted or identified engaging in fishing activities, and is accordingly presumed to be undermining the Conservation and Enforcement Measures, and that this information will be distributed to all Contracting Parties, other Regional Fisheries Management Organizations and to the flag State of the vessel.

#### **Article 45 - Inspections at Sea**

1. NAFO inspectors shall, if appropriate, request permission to board non-Contracting Party vessels that are sighted engaging in fishing activities in the Regulatory Area. If the vessel consents to be boarded the inspectors' findings shall be transmitted to the Secretariat without delay. The Secretariat shall transmit this information to all Contracting Parties and other relevant Regional Fisheries Management Organizations within one business day of receiving this information, and to the Flag State as soon as possible. The non-Contracting Party vessel that is boarded shall be provided with a copy of the findings of the NAFO inspectors.
2. Where evidence so warrants, a Contracting Party may take such action as may be appropriate in accordance with international law.

## **Article 46 - Inspections in Port**

1. When a non-Contracting Party vessel referred to in Article 44(1) enters a port of any Contracting Party, it shall be inspected by authorized Contracting Party officials knowledgeable of the Conservation and Enforcement Measures (and this Scheme), and shall not be allowed to land or tranship any fish until this inspection has taken place. Such inspections shall include the vessel's documents, log books, fishing gear, catch onboard and any other matter relating to the vessel's activities in the Regulatory Area.
2. Information on the results of all inspections of non-Contracting Party vessels conducted in the ports of Contracting Parties, and any subsequent action, shall immediately be transmitted to all Contracting Parties and other relevant Regional Fisheries Management Organizations through the NAFO Secretariat, and as soon as possible to the relevant flag State(s).

## **Article 47 - Fishing Activities**

1. Contracting Parties shall ensure that their vessels do not receive or deliver transshipments of fish to or from a non-Contracting Party vessel referred to in Article 44 or engage in joint fishing operations with such vessels.
2. Landings and transshipments of all fish from a non-Contracting Party vessel referred to in Article 44 shall be prohibited in all Contracting Party ports, unless:
  - a) The vessel establishes that the fish subject to the NAFO convention were caught outside the Regulatory Area; or
  - b) The vessel establishes that it has applied all relevant Conservation and Enforcement Measures.
3. Contracting Parties denying landings or transshipments shall inform the vessel, the flag State of the vessel and the NAFO Secretariat of this decision.

## **Article 48 - Notification of presumed IUU Activities and Establishment of a Provisional List**

1. Upon receipt of information from Contracting Parties pursuant to Articles 44 to 47, the Secretariat shall enter the flag State, vessel name and letters and numbers of registration, and other identifying features of the vessel as available, on a Provisional List. The Secretariat shall place the Provisional List on a secure section of the NAFO website.
2. In addition to information submitted from Contracting Parties pursuant to Articles 44 to 47, Contracting Parties may at any time submit to the Secretariat any further information, which might be relevant for the identification of non-Contracting Party vessels that might be carrying out IUU fishing in the Regulatory Area.
3. At the same time, the Executive Secretary shall, in consultation with the Chair of STACTIC where practicable, advise relevant non-Contracting Parties of the vessels flying their flag that have been included in the Provisional List and provide the following information to the non-Contracting Party:
  - a) the reasons for the inclusion on the Provisional List and all relevant evidence upon which inclusion of the vessel on the list is based;
  - b) a copy of the NAFO Conservation and Enforcement Measures, including this Scheme;
  - c) request that it take measures in accordance with its applicable legislation to ensure that the vessel or vessels in question desist from any activities that undermine the effectiveness of Conservation and Enforcement Measures;
  - d) a request to report back to NAFO within 30 days from the date the letter is sent on the results of enquiries and/or measures it has taken in respect of the vessel or vessels concerned; and,
  - e) the dates when STACTIC and the General Council will be considering recommendations with respect to the composition of the IUU List, and an invitation to the non-Contracting Party to attend the meeting of STACTIC and the General Council as an observer, with the opportunity to further respond to the request specified in sub-paragraph d).
4. The Secretariat shall promptly provide non-Contracting Parties concerned with any additional information received pursuant to Articles 44 to 47 in respect of vessels flying their flag that have already been included on the Provisional List.
5. The Secretariat shall promptly distribute any information received from non-Contracting Parties to all Contracting Parties.
6. If a non-Contracting Party that has received information regarding one of the vessels entitled to fly its flag pursuant to paragraph 2 agrees to a listing the vessel concerned shall be transferred from the Provisional List to the IUU List.

## **Article 49 - Establishment of the IUU list**

1. STACTIC shall consider the Provisional List and as appropriate recommend to the General Council that the vessels either:
  - a) be removed from the Provisional List;
  - b) be retained on the Provisional List pending the receipt of further information; or,
  - c) be transferred to the IUU List.



2. STACTIC shall only consider vessels for inclusion on the IUU list if the period referred to in Article 48.3.d) has elapsed.
3. STACTIC shall undertake a review of the current IUU List and as appropriate recommend to the General Council that vessels are maintained thereon or removed. STACTIC shall only recommend that the General Council remove a vessel from either the Provisional or IUU list if the flag State of the vessel concerned provides satisfactory information to establish that:
  - a) it has taken effective action in response to the IUU fishing in question, including prosecution and imposition of sanctions of adequate severity;
  - b) it has taken measures to ensure the granting of the right to the vessel to fly its flag will not result in IUU fishing;
  - c) the vessel has changed ownership and the new owner can establish the previous owner no longer has any legal, financial, or real interests in the vessel, or exercises control over it and that the new owner does not have any legal, financial or real interest in, or exercise control over, a vessel that is on the IUU list or any equivalent type of list established by other Regional Fisheries Management Organizations; or,
  - d) the vessel did not take part in IUU fishing.
4. The General Council shall review the recommendations made by STACTIC pursuant to this Article, and shall determine the composition of the IUU List.
5. The Executive Secretary shall place the IUU List on the NAFO website. This list shall include the name and flag state of the vessel and, where available, the IMO number, the previous name (s), the previous flag state (s), the radio call sign.
6. The Secretariat shall transmit the IUU List and any relevant information regarding the List, including the reasons for listing or de-listing each vessel, to the Secretariat of NEAFC with a request to circulate this to all NEAFC Contracting Parties. The Secretariat shall also circulate the IUU List to other Regional Fisheries Management Organizations.
7. The Secretariat shall provide to relevant flag States the names of vessels on the IUU List flagged to that state.
8. Upon receipt of NEAFC's IUU List and any relevant information regarding the list, the Secretariat shall circulate this information to the Contracting Parties. Notwithstanding paragraph 2, vessels that have been added to or deleted from the NEAFC IUU List that are flagged to non-Contracting Parties shall be incorporated into or deleted from the NAFO IUU List as appropriate, unless any Contracting Party objects within 30 days of the date of the transmittal by the Secretariat on the grounds that:
  - i. there is satisfactory information to establish that any of the requirements in paragraph 3 a)-d) have been met with regard to a vessel placed on the NEAFC IUU List, or
  - ii. there is satisfactory information to establish that none of the requirements in paragraph 3 a)-d) have been met with regard to a vessel taken off the NEAFC IUU List.

In the event of an objection to a NEAFC IUU-listed vessel being incorporated into or deleted from the NAFO IUU List, such vessel shall be placed on the Provisional List. Article 48 shall not apply to vessels placed on the Provisional List pursuant to this paragraph.

## **Article 50 - Follow-up Action**

Contracting Parties shall take all necessary measures to the extent possible in accordance with their applicable legislation with regard to vessels on the IUU List, including:

- a) prohibiting fishing vessels, support vessels, refueling vessels, the mother-ships and cargo vessels flying their flag to assist vessels on the IUU List in any way, engage in fish processing operations or participate in any transshipment or joint fishing operations with vessels on the IUU List;
- b) prohibiting the supply of provisions, fuel or other services to vessels on the IUU List.
- c) prohibiting the entry into their ports of such vessels, except in case of force majeure;
- d) prohibiting the change of crew, except as required in relation to force majeure;
- e) refusing authorization of such vessels to fish in waters under their national jurisdiction;
- f) prohibiting the chartering of such vessels;
- g) refusing to entitle such vessels to fly their flag;
- h) prohibiting where traceable the imports of fish coming from such vessels;
- i) prohibiting the landing of fish coming from such vessels;
- j) encouraging importers, transporters and other sectors concerned, to refrain from negotiating and from transshipping of fish caught by such vessels;

- k) collecting and exchanging any appropriate information regarding vessels appearing on the IUU List with other Contracting Parties, non-Contracting Parties and other Regional Fisheries Management Organizations with the aim of detecting, controlling and preventing false import/export certificates regarding fish from such vessels.

### **Article 51 - Actions vis-a-vis Flag States**

1. Contracting Parties shall jointly and/or individually request non-Contracting Parties whose vessels appear on the IUU List to co-operate fully with the Organization in order to avoid undermining the effectiveness of the Conservation and Enforcement Measures adopted pursuant to the Convention.
2. The General Council shall review, at subsequent annual meetings as appropriate, actions taken by such non-Contracting Parties and identify those that have not rectified their fishing activities.
3. Contracting Parties should - to the extent possible, consistent with their international obligations and in accordance with applicable legislation - restrict the export and transfer of their formerly licensed fishing vessels to non-Contracting Parties identified in paragraph 2.

## **Chapter VII**

### **ELECTRONIC REPORTING, SATELLITE TRACKING AND OBSERVERS**

#### **Article 52 - Scope**

1. Only vessels of Contracting Parties with functional VMS systems that have the necessary technical facilities in place to send electronic "observer reports" and "catch reports" are allowed to apply the provisions laid down in this chapter. VMS messages have one hour interval.
2. Contracting Parties shall notify the Executive Secretary of their intention to apply the provisions laid down in this chapter 30 days prior to the start of the fishing season.

#### **Article 53 - Implementation**

1. Participating Contracting Parties should notify the names of the vessels intending to apply the provisions of this chapter to the NAFO Secretariat. Such vessels shall have observers on board in accordance with Article 24 of the NAFO Conservation and Enforcement Measures.
2. However, by way of derogation from these measures a Contracting Party may withdraw observers from vessels applying the provisions of this chapter on the condition that the technical facilities on board the vessel necessary to send electronic "observer reports" and "catch reports" have been tested with the NAFO Secretariat and Contracting Parties with an inspection presence in the Regulatory Area.
3. The testing of this exchange shall be deemed successful once data exchanges have been completed with all recipients at a 100% reliability rate.
4. A Contracting Party with vessel or vessels applying the provisions of this chapter shall withdraw the observer for no more than 75% of the time that the vessel or vessels spend in the Regulatory Area during the year.
5. When withdrawing observers Contracting Parties shall ensure that there is a balance between vessels with observers and without observers, in terms of the type of fishery in which the vessels are engaged.
6. Participating Contracting Parties shall provide at all times to the NAFO Secretariat the names of vessels applying the provisions of this chapter as well as the period during which they have no observer onboard. The Executive Secretary shall forward this information to all Contracting Parties.
7. In the case where a vessel without an observer is found by an inspector to be engaged in any infringement, the Contracting Party shall apply the provisions of Article 33, paragraphs 2 to 9 of the Scheme, as appropriate, and, when the vessel is not re-routed, it shall embark an observer without delay.
8. In addition to their duties under the Conservation and Enforcement Measures observers on board vessels applying the provisions of this chapter shall report daily by electronic channels via the FMC to the NAFO Secretariat ("OBR report") of his duties described in Article 24.4. a) i) to iv) of the Conservation and Enforcement Measures.

## **Article 54 - Daily Reports**

1. Masters of vessels and observers applying the provisions of this chapter shall transmit daily reports by division.
2. The daily reports are to be received by the NAFO Secretariat by 1200 UTC daily. The report period will run from 0001 hours to 2400 hours of the previous day.
3. The catch reported in the daily report of the master will correspond with those recorded in the log.
4. The daily reports shall include as appropriate the amounts, by Division, of the following categories:
  - a) The daily catch by species retained on board
  - b) Discarding
  - c) Undersize fish
5. If the electronic means of transmitting daily reports (to and from FMC) is not functioning, the master and the observer will continue to report daily by other means keeping a written log of these transmissions on board and available to inspectors.
6. The templates for Daily Catch (CAX) and Observer Reports (OBR) are contained in Annex XX(a).

## **Article 55 - Data Collection/Compilation/Analysis**

1. The Executive Secretary shall collect and compile, on a weekly basis, the data provided by the daily catch reports to compare, among other items, catch rates of species caught by Division, by-catch percentage rate, discard rates for similar fisheries. The details of this data compilation are outlined in Annex XX (b).
2. The Executive Secretary shall forward this information to Contracting Parties with an inspection presence.
3. The NAFO Secretariat shall monitor the receipt of daily reports from each vessel applying the provisions of this chapter. When a report has not been received for 2 consecutive days, the NAFO Secretariat will notify the relevant Contracting Party as well as Contracting Parties with an Inspection Presence.
4. The Executive Secretary shall make available as soon as possible the information received under paragraphs 2 and 3 to other Contracting Parties with an active inspection presence in the Regulatory Area. All reports and messages shall be treated in a confidential manner.

## **Article 56 - Costs**

1. Subject to any other arrangements between Contracting Parties, each Contracting Party shall pay all its costs associated with this system.

## **Article 57 - Follow-up**

1. Each Contracting Party (including those with an inspection presence) shall submit an interim report at the first annual meeting of the Fisheries Commission following adoption of the pilot project and a detailed report on the execution of the pilot project containing all necessary information at the annual meeting of the Fisheries Commission following completion of the pilot project. STACTIC supported by the Executive Secretary should evaluate the results of the pilot project at its next meeting on the basis of the criteria set out below as well as the objectives identified, together with any recommendations or proposals:
  - a) Compliance overall and notably comparison between vessels with and without observers.
  - b) Assessment by the Executive Secretary on issues related to data compatibility, data collection/compilation, and data transmission.
  - c) Cost/savings; for the industry; for the authorities of the Contracting Party (including those with an inspection presence); for the NAFO Secretariat.
  - d) Interaction with traditional means of control.
  - e) Technical functioning of the Scheme and reliability.
2. The elements of this chapter are subject to review as appropriate, for application in 2010 and subsequent years.

## Annex I.A Annual Quota Table

REVISED QUOTA TABLE. Total allowable catches (TACs) and quotas (metric tons) for 2007 of particular stocks in Subareas 1-4 of the NAFO Convention Area. The values listed include quantities to be taken both inside and outside the 200-mile fishing zone, where applicable.

Species	Cod			Redfish				American plaice		Yellowtail	Witch	
	3L	3M	3NO	3LN	3M	3O	Sub-Area 2 and Div. 1F+3K	3LNO	3M	3LNO	3L	3NO
Canada		0	0	0	500	6000	385 <sup>2,4</sup>	0	0	15112 <sup>5</sup>		0
Cuba		0	-	0	1750		385 <sup>2,4</sup>	-	-	-		-
Denmark (Faroe Islands and Greenland)		0	-	-	69		9627 <sup>2,3</sup>	-	-	-		-
European Union		0 <sup>11</sup>	0 <sup>11</sup>	0 <sup>11</sup>	7813 <sup>12</sup>	7000	<u>9627<sup>2,3</sup></u> 3383 <sup>2,15</sup>	0	0 <sup>11</sup>	-		0 <sup>11</sup>
France (St. Pierre et Miquelon)		-	-	-	69		385 <sup>2,4</sup>	-	-	310 <sup>5</sup>		-
Iceland		-	-	-	-		9627 <sup>2,3</sup>	-	-	-		-
Japan		-	-	-	400	150	385 <sup>2,4</sup>	-	-	-		-
Korea		-	-	-	69	100	385 <sup>2,4</sup>	-	-	-		-
Norway		0	-	-	-		9627 <sup>2,3</sup>	-	-	-		-
Russia		0	0	0	9137	6500	9627 <sup>2,3</sup>	-	0	-		0
Ukraine						150	385 <sup>2,4</sup>					
United States of America		-	-	-	69		385 <sup>2,4</sup>	-	-	-		-
Others		0	0	0	124	100	-	0	0	78 <sup>5</sup>		0
TOTAL ALLOWABLE CATCH	*	* <sup>16</sup>	*	*	5000 <sup>8</sup>	20000	12516 <sup>10,17</sup>	*	* <sup>16</sup>	15500 <sup>9</sup>	*	* <sup>16</sup>

Species	White hake	Capelin	Skates	Greenland halibut	Squid (Illex) <sup>1</sup>	Shrimp	
						3L	3NO
Division/Contracting Party	3NO	3NO	3LNO	3LMNO	Sub-areas 3+4	3L	3NO
Canada	2500	0	2250	1778	N.S. <sup>6</sup>	18325	
Cuba		0		-	510	245	
Denmark (Faroe Islands and Greenland)		-		206	-	245	
European Union	5000	0 <sup>11</sup>	8500	6951 <sup>18</sup>	<u>N.S.</u> <sup>6</sup> 611 <sup>13</sup>	1225 <sup>14</sup>	
France (St. Pierre et Miquelon)		-		194	453	245	
Iceland		-		-	-	245	
Japan		0		1215	510	245	
Korea		-		-	453	245	
Norway		0		-	-	245	
Russia	500	0	2250	1512	749	245	
Ukraine				-		245	
United States of America		-		-	453	245	
Others	500	-	500	0 <sup>7</sup>	794	0	
TOTAL ALLOWABLE CATCH	8500	*	13500	11856	34000	22000	*

\* Ban on fishing in force – The provisions of Article 9, paragraph 1.b) shall apply.

1. Any quota listed for squid may be increased by a transfer from any “coastal state” as defined in Article 1, paragraph 3 of the NAFO Convention, provided that the TAC for squid is not exceeded. Transfers made to Contracting Parties conducting fisheries for squid in the Regulatory Area shall be reported to the Executive Secretary, and the report shall be made as promptly as possible.
2. The Contracting Parties shall notify the Executive Secretary every second week of catches taken by its vessels from this allocation until accumulated reported catch reaches 50%, after which time weekly notification shall apply. The Executive Secretary shall notify without delay all Contracting Parties the dates on which accumulated reported catch taken by vessels of Contracting Parties estimated equal to 50% and then 100% of that allocation.
3. Quota to be shared by vessels from Denmark (Greenland and Faroe Islands), European Union, Iceland, Norway and Russia. Catches in the NAFO Convention Area shall be deducted from the quotas allocated in the NEAFC Convention Area.
4. Quota to be shared by vessels from Canada, Cuba, France (St. Pierre et Miquelon), Japan, Korea, Ukraine and USA.
5. Contracting Parties shall inform the Executive Secretary before 01 December 2006 of the measures to be taken to ensure that total catches do not exceed the levels indicated.
6. The allocation to these Contracting Parties are as yet undetermined, although their sum shall not exceed the difference between the total of allocations to other Contracting Parties and the TAC (= 29.458 tons).

7. In 2005, the previous 935 t “Others” quota was assigned to three Contracting Parties. When the TAC exceeds 30,000 t the next 1,300 t beyond 30,000 will be allocated to an Others quota which can be accessed by those who do not hold Greenland halibut allocation. In deciding the relevant contributions of Contracting Parties to the 1,300 t Others quota, the Fisheries Commission will take into account the fact that some Contracting Parties received a benefit from the 935 t quota which was reassigned in 2005.
8. Each Contracting Party shall notify the Executive Secretary every second week of catches taken by its vessels from this stock until accumulated reported catch reaches 50%, after which time weekly notification shall apply. Not more than 2500 tons may be fished before 01 July 2007. The Executive Secretary shall notify without delay all Contracting Parties of the date on which, for this stock, accumulated reported catch taken by vessels of the Contracting Parties is estimated to equal 50% and then 100% of the TAC.
9. The provisions of Article 9, paragraph 1.b) of the Conservation and Enforcement Measures shall apply.
10. In the case of the NEAFC decision which modifies the level of TAC in 2007 as compared to 2006, these figures shall be accordingly adjusted by NAFO and formalized through a mail vote.
11. Including fishing entitlements of Estonia, Latvia, and Lithuania following their accession to the European Union and in accordance with sharing arrangements of the former USSR quota adopted by the Fisheries Commission at its Annual Meeting in 2003 (FC Working Paper 03/7).
12. Including allocations of 1571 tonnes each for Estonia, Latvia and Lithuania out of a sharing of 20,000 tonnes, following their accession to the European Union.
13. Allocations of 128 tonnes each for Estonia, Latvia and Lithuania as well as 227 tonnes for Poland out of a TAC of 34,000 tonnes, following their accession to the European Union.
14. Including allocations of 245 tonnes each for Estonia, Latvia, Lithuania and Poland out of a TAC of 22,000 tonnes, following their accession to the European Union
15. Allocation of 2,234 tonnes for Lithuania and 269 tonnes to Latvia following their accession to the European Union.
16. Applicable to 2007 and 2008.
17. The quota shares in footnotes 4 and 15 can only be fished in the NAFO Regulatory Area. If an increase in the overall TAC as defined in footnote 10 leads to an increase in these shares, the first 500 tonnes of that increase shall be added to the quota share referred to in footnote 4.
18. Including an allocation of 389 tonnes for Estonia, Latvia, and Lithuania following their accession to the European Union.

**Annex I.B**  
**Effort Allocation Scheme for Shrimp Fishery in the**  
**NAFO Regulatory Area Div. 3M, 2007**

CONTRACTING PARTY	NUMBER OF FISHING DAYS	NUMBER OF VESSELS
<b>Canada</b>	456	16
<b>Cuba</b>	100	1
<b>Denmark</b>		
– Faroe Islands	1606	8
– Greenland	515	14
<b>European Union</b>	3293 <sup>1</sup>	33 <sup>1</sup>
<b>France (in respect of St Pierre et Miquelon)</b>	100	1
<b>Iceland</b>	N/A	N/A
<b>Japan</b>	100	1
<b>Korea</b>	100	1
<b>Norway</b>	1985	32
<b>Russia</b>	2100	N/A
<b>Ukraine</b>	100	1
<b>USA</b>	100	1

<sup>1</sup> Including fishing entitlements transferred from Poland (100 fishing days with one vessel), Estonia (1667 fishing days with 8 vessels), Latvia (490 fishing days with 4 vessels) and Lithuania (579 fishing days with 7 vessels) following their accession to the European Union.

## Annex I.C

### Rebuilding Plan for 3LMNO Greenland Halibut

Species	Greenland halibut	Greenland halibut	Greenland halibut	Greenland halibut
Division/ Contracting Party	3LMNO 2004	3LMNO 2005	3LMNO 2006	3LMNO 2007
Canada	2223	2112	2056	1778
Cuba	-	-	-	-
Denmark (Faroe Islands and Greenland)	-	244	238	206
European Union	8203	8254 <sup>3</sup>	8038 <sup>4</sup>	6951 <sup>5</sup>
France (St Pierre et Miquelon)	-	230	224	194
Iceland	-	-	-	-
Japan	1519	1443	1405	1215
Korea	-	-	-	-
Norway	-	-	-	-
Russia	1890	1796	1748	1512
Ukraine	-	-	-	-
United States of America	-	-	-	-
Others	985 <sup>1</sup>	0 <sup>2</sup>	0 <sup>2</sup>	0 <sup>2</sup>
<b>TOTAL ALLOWABLE CATCH</b>	<b>14820</b>	<b>14079</b>	<b>13709</b>	<b>11856</b>

<sup>1</sup> Of which no more than 60% may be fished before 1 May in each year.

<sup>2</sup> In 2005, the previous 935 t "Others" quota was assigned to three Contracting Parties. When the TAC exceeds 30,000 t the next 1,300 t beyond 30,000 will be allocated to an Others quota which can be accessed by those who do not hold Greenland halibut allocation. In deciding the relevant contributions of Contracting Parties to the 1300 t Others quota, the Fisheries Commission will take into account the fact that some Contracting Parties received a benefit from the 935 t quota which was reassigned in 2005.

<sup>3</sup> Including an allocation of 461 tonnes for Estonia, Latvia and Lithuania following their accession to the European Union.

<sup>4</sup> Including an allocation of 450 tonnes for Estonia, Latvia and Lithuania following their accession to the European Union.

<sup>5</sup> Including an allocation of 389 tonnes for Estonia, Latvia and Lithuania following their accession to the European Union.



## Annex II List of species

Common English Name	Scientific Name	3-Alpha Code	Common English Name	Scientific Name	3-Alpha Code
<b>Groundfish</b>			<b>Groundfish (continued)</b>		
Atlantic Cod	<i>Gadus morhua</i>	COD	Polar cod	<i>Boreogadus saida</i>	POC
Haddock	<i>Melanogrammus aeglefinus</i>	HAD	Roundnose grenadier	<i>Coryphaenoides rupestris</i>	RNG
Atlantic redfishes	<i>Sebastes sp.</i>	RED	Roughhead grenadier	<i>Macrourus berglax</i>	RHG
Golden redfish	<i>Sebastes marinus</i>	REG	Sandeels (=Sand Lances)	<i>Ammodytes sp.</i>	SAN
Beaked redfish (deepwater)	<i>Sebastes mentella</i>	REB	Sculpins	<i>Myoxocephalus sp.</i>	SCU
Acadian redfish	<i>Sebastes fasciatus</i>	REN	Scup	<i>Stenotomus chrysops</i>	SCP
Silver hake	<i>Merluccius bilinearis</i>	HKS	Tautog	<i>Tautoga onitis</i>	TAU
Red hake*	<i>Urophycis chuss</i>	HKR	Tilefish	<i>Lopholatilus chamaeleonticeps</i>	TIL
Pollock (=Saithe)	<i>Pollachius virens</i>	POK	White hake*	<i>Urophycis tenuis</i>	HKW
American plaice	<i>Hippoglossoides platessoides</i>	PLA	Longfin hake	<i>Urophycis chesteri</i>	GPE
			Threebeard rockling	<i>Gaidropsarus ensis</i>	GDE
Witch flounder	<i>Glyptocephalus cynoglossus</i>	WIT	Wolffishes (NS)	<i>Anarhichas sp.</i>	CAT
			Atlantic wolffish	<i>Anarhichas lupus</i>	CAA
Yellowtail flounder	<i>Limanda ferruginea</i>	YEL	Spotted wolffish	<i>Anarhichas minor</i>	CAS
Greenland halibut	<i>Reinhardtius hippoglossoides</i>	GHL	Northern wolffish	<i>Anarhichas denticulatus</i>	CAB
			Groundfish (NS)		GRO
Atlantic halibut	<i>Hippoglossus hippoglossus</i>	HAL	<b>Pelagics</b>		
Winter flounder	<i>Pseudopleuronectes americanus</i>	FLW	Atlantic herring	<i>Clupea harengus</i>	HER
Summer flounder	<i>Paralichthys dentatus</i>	FLS	Atlantic mackerel	<i>Scomber scombrus</i>	MAC
Windowpane flounder	<i>Scophthalmus aquosus</i>	FLD	Atlantic butterfish	<i>Peprilus triacanthus</i>	BUT
Flatfishes (NS)	<i>Pleuronectiformes</i>	FLX	Atlantic menhaden	<i>Brevoortia tyrannus</i>	MHA
American angler (=Goosefish)	<i>Lophius americanus</i>	ANG	Atlantic saury	<i>Scomberesox saurus</i>	SAU
Atlantic searobins	<i>Prionotus sp.</i>	SRA	Bay anchovy	<i>Anchoa mitchilli</i>	ANB
Atlantic tomcod	<i>Microgadus tomcod</i>	TOM	Bluefish	<i>Pomatomus saltatrix</i>	BLU
Blue antimora	<i>Antimora rostrata</i>	ANT	Creville jack	<i>Caranx hippos</i>	CVJ
Blue whiting	<i>Micromesistius poutassou</i>	WHB	Frigate tuna	<i>Auxis thazard</i>	FRI
Cunner	<i>Tautoglabrus adspersus</i>	CUN	King mackerel	<i>Scomberomourus cavalla</i>	KGM
Cusk (=Tusk)	<i>Brosme brosme</i>	USK	Atlantic Spanish mackerel	<i>Scomberomourus maculatus</i>	SSM
Greenland cod	<i>Gadus ogac</i>	GRC	Saifish	<i>Istiophorus platypterus</i>	SAI
Blue ling	<i>Molva dypterygia</i>	BLI	White marlin	<i>Tetrapturus albidus</i>	WHM
Ling	<i>Molva molva</i>	LIN	Blue marlin	<i>Makaira nigricans</i>	BUM
Lumpfish (=Lumpsucker)	<i>Cyclopterus lumpus</i>	LUM	Swordfish	<i>Xiphias gladius</i>	SWO
Northern kingfish	<i>Menticirrhus saxatilis</i>	KGF	Albacore tuna	<i>Thunnus alalunga</i>	ALB
Northern puffer	<i>Sphoeroides maculatus</i>	PUF	Atlantic bonito	<i>Sarda sarda</i>	BON
Eelpouts (NS)	<i>Lycodes sp.</i>	ELZ	Little tunny	<i>Euthynnus alletteratus</i>	LTA
Ocean pout	<i>Macrozoarces americanus</i>	OPT	Bigeye tunny	<i>Thunnus obesus</i>	BET

Common English Name	Scientific Name	3-Alpha Code	Common English Name	Scientific Name	3-Alpha Code
<b>Pelagics (continued)</b>			<b>Other Fish (continued)</b>		
Northern bluefin tuna	<i>Thunnus thynnus</i>	BFT	Spotted weakfish	<i>Cynoscion nebulosus</i>	SWF
Skipjack tuna	<i>Katsuwonus pelamis</i>	SKJ	Squeteague (Gray Weakfish)	<i>Cynoscion regalis</i>	STG
Yellowfin tuna	<i>Thunnus albacares</i>	YFT	Striped bass	<i>Morone saxatilis</i>	STB
Tunas (NS)	Scombridae	TUN	Sturgeons (NS)	Acipenseridae	STU
Pelagic fish (NS)		PEL	Tarpon	<i>Tarpon (=megalops) atlanticus</i>	TAR
<b>Other Fish</b>			Trouts (NS)		
Alewife	<i>Alosa pseudoharengus</i>	ALE	White perch	<i>Morone americana</i>	PEW
Amberjacks	<i>Seriola sp.</i>	AMX	Alfonsinos (NS)	<i>Beryx sp.</i>	ALF
American conger	<i>Conger oceanicus</i>	COA	Spiny (=picketed) dogfish	<i>Squalus acantias</i>	DGS
American eel	<i>Anguilla rostrata</i>	ELA	Dogfishes (NS)	Squalidae	DGX
Atlantic hagfish	<i>Myxine glutinosa</i>	MYG	Sand Tiger shark	<i>Odontaspis taurus</i>	CCT
American shad	<i>Alosa sapidissima</i>	SHA	Porbeagle	<i>Lamna nasus</i>	POR
Argentines (NS)	<i>Argentina sp.</i>	ARG	Shortfin mako shark	<i>Isurus oxyrinchus</i>	SMA
Atlantic croaker	<i>Micropogonias undulatus</i>	CKA	Dusky shark	<i>Carcharhinus obscurus</i>	DUS
Atlantic needlefish	<i>Strongylura marina</i>	NFA	Great Blue shark	<i>Prionace glauca</i>	BSH
Atlantic salmon	<i>Salmo salar</i>	SAL	Large sharks (NS)	Squaliformes	SHX
Atlantic silverside	<i>Menidia menidia</i>	SSA	Atlantic Sharpnose shark	<i>Rhizoprionodon terraenovae</i>	RHT
Atlantic thread herring	<i>Opisthonema oglinum</i>	THA	Black Dogfish	<i>Centroscyllium fabricii</i>	CFB
Baird's slickhead	<i>Alepocephalus bairdii</i>	ALC	Boreal (Greenland) shark	<i>Sommnousus microcephalus</i>	GSK
Black drum	<i>Pogonias cromis</i>	BDM	Basking shark	<i>Cetorhinus maximus</i>	BSK
Black seabass	<i>Centropristis striata</i>	BSB	Skates (NS)	<i>Raja sp.</i>	SKA
Blueback herring	<i>Alosa aestivalis</i>	BBH	Little skate	<i>Leucoraja erinacea</i>	RJD
Capelin	<i>Mallotus villosus</i>	CAP	Arctic skate	<i>Amblyraja hyperborea</i>	RJG
Chars (NS)	<i>Salvelinus sp.</i>	CHR	Barndoor skate	<i>Dipturus laevis</i>	RJL
Cobia	<i>Rachycentron canadum</i>	CBA	Winter skate	<i>Leucoraja ocellata</i>	RJT
Common (Florida) pompano	<i>Trachinotus carolinus</i>	POM	Thorny skate (Starry Ray)	<i>Amblyraja radiata</i>	RJR
Gizzard shad	<i>Dorosoma cepedianum</i>	SHG	Smooth skate	<i>Malcoraja senta</i>	RJS
Grunts (NS)	Pomadasyidae	GRX	Spinytail skate (Spinetail Ray)	<i>Bathyraja spinicauda</i>	RJO
Hickory shad	<i>Alosa mediocris</i>	SHH	Finfishes (NS)		FIN
Lanternfish	<i>Notoscopelus sp.</i>	LAX	<b>Invertebrates</b>		
Mulletts (NS)	Mugilidae	MUL	Long-finned squid ( <i>Loligo</i> )	<i>Loligo pealei</i>	SQL
North atlantic harvestfish	<i>Peprilus alepidotus (=paru)</i>	HVF	Short-finned squid ( <i>Illex</i> )	<i>Illex illecebrosus</i>	SQI
Pigfish	<i>Orthopristis chrysoptera</i>	PIG	Squids (NS)	Loliginidae, Ommastrephidae	SQU
Rainbow smelt	<i>Osmerus mordax</i>	SMR	Atlantic razor clam	<i>Ensis directus</i>	CLR
Red drum	<i>Sciaenops ocellatus</i>	RDM	Hard clam	<i>Mercenaria mercenaria</i>	CLH
Red porgy	<i>Pagrus pagrus</i>	RPG	Ocean quahog	<i>Arctica islandica</i>	CLQ
Rough scad	<i>Trachurus lathami</i>	RSC	Soft clam	<i>Mya arenaria</i>	CLS
Sand perch	<i>Diplectrum formosum</i>	PES	Surf clam	<i>Spisula solidissima</i>	CLB
Sheepshead	<i>Archosargus probatocephalus</i>	SPH	Stimpson's surf clam	<i>Spisula polynyma</i>	CLT
Spot croaker	<i>Leiostomus xanthurus</i>	SPT	Clams (NS)	Prionodesmacea, Teleodesmacea	CLX

<b>Common English Name</b>	<b>Scientific Name</b>	<b>3-Alpha Code</b>
<b>Invertebrates (continued)</b>		
Bay scallop	<i>Argopecten irradians</i>	SCB
Calico scallop	<i>Argopecten gibbus</i>	SCC
Iceland scallop	<i>Chylamys islandica</i>	ISC
Sea scallop	<i>Placopecten magellanicus</i>	SCA
Scallops (NS)	Pectinidae	SCX
American cupped oyster	<i>Crassostrea virginica</i>	OYA
Blue mussel	<i>Mytilus edulis</i>	MUS
Whelks (NS)	<i>Busycon sp.</i>	WHX
Periwinkles (NS)	<i>Littorina sp.</i>	PER
Marine molluscs (NS)	Mollusca	MOL
Atlantic rock crab	<i>Cancer irroratus</i>	CRK
Blue crab	<i>Callinectes sapidus</i>	CRB
Green crab	<i>Carcinus maenas</i>	CRG
Jonah crab	<i>Cancer borealis</i>	CRJ
Queen crab	<i>Chionoecetes opilio</i>	CRQ
Red crab	<i>Geryon quinqueedens</i>	CRR
Stone king crab	<i>Lithodes maia</i>	KCT
Marine crabs (NS)	Reptantia	CRA
American lobster	<i>Homarus americanus</i>	LBA
Northern prawn	<i>Pandalus borealis</i>	PRA
Aesop shrimp	<i>Pandalus montagui</i>	AES
Penaeus shrimps (NS)	<i>Penaeus sp.</i>	PEN
Pink (=Pandalid) shrimps	<i>Pandalus sp.</i>	PAN
Marine crustaceans (NS)	Crustacea	CRU
Sea-urchin	<i>Strongylocentrotus sp.</i>	URC
Marine worms (NS)	<i>Polycheata</i>	WOR
Horseshoe crab	<i>Limulus polyphemus</i>	HSC
Marine invertebrates (NS)	Invertebrata	INV

\*In accordance with a recommendation adopted by STACRES at the 1970 Annual Meeting (ICNAF Redbook 1970, Part I, Page 67), hakes of the Genus *Urophycis* are designated as follows for statistical reporting: (a) hake reported from Subareas 1, 2, and 3, and Divisions 4R, S, T and V be designated as white hake, *Urophycis tenuis*; (b) hake taken by line gears or any hake greater than 55 cm standard length, regardless of how caught, from Divisions 4W and X, Subarea 5 and Statistical Area 6 be designated as white hake, *Urophycis tenuis*; (c) Except as noted in (b), other hake of the Genus *Urophycis* taken in Divisions 4W and X, Subarea 5 and Statistical Area 6 be designated as red hake, *Urophycis chuss*

**Annex III**  
**Minimum Fish Size\***

Species	Gilled and gutted fish whether or not skinned; fresh or chilled, frozen, or salted.			
	Whole	Head Off	Head and Tail Off	Head Off and Split
Atlantic Cod	41 cm	27 cm	22 cm	27/25 cm**
Greenland halibut	30 cm	N/A	N/A	N/A
American plaice	25 cm	19 cm	15 cm	N/A
Yellowtail flounder	25 cm	19 cm	15 cm	N/A

\* Fish size refers to fork length for Atlantic cod; whole length for other species.

\*\*Lower size for green salted fish.

## Annex IV Formats for Register of Vessels

### A. Fishing vessels:

Data Element	Code	Mandatory /Optional	Remarks
Start record	SR	M	System detail; indicates start of record
Address	AD	M	Message detail; destination, "XNW" for NAFO Secretariat
From	FR	M	Message detail; ISO-3 code of the transmitting Contracting Party
Record Number	RN	M	Message detail; message serial number in current year
Record Date	RD	M	Message detail; date of transmission
Record Time	RT	M	Message detail; time of transmission
Type of Message	TM	M	Message detail; message type, "NOT" as Notification of authorized vessels
Vessel Name	NA	M	Vessel registration detail; name of the vessel
Radio Call Sign	RC	M	Vessel registration detail; international radio call sign of the vessel
Flag State	FS	M	Vessel registration detail; State where the vessel is registered
Internal Reference Number	IR	O <sup>1</sup>	Vessel registration detail; Unique Contracting Party vessel number as ISO-3 flag state code followed by number
External Registration Number	XR	M	Vessel registration detail; the side number of the vessel
Port Name	PO	O	Vessel registration detail; port of registration or home port
Vessel Owner	VO	M <sup>2</sup>	Vessel registration detail; responsible for using the vessel
Vessel Charterer	VC	M <sup>2</sup>	Vessel registration detail; responsible for using the vessel
Vessel Type	TP	O	Vessel characteristic, FAO vessel code (Annex V.A)
Vessel Gear	GE	O	Vessel characteristic, FAO statistical classification of fishing gear (Annex VI)
Vessel capacity measurement method	VT	M	Vessel characteristic; vessel capacity in pairs as needed "OC" "OSLO" convention 1947, "LC" "London" convention ICTM-69
tonnage		M	total capacity in tonnage
Vessel length measurement method	VL	M	Vessel characteristic; length in meters in pairs as needed "OA" overall; "PP" between perpendiculars
length		M	length in meters
Vessel Power measurement method	VP	M	Vessel characteristic; engine power in pairs as needed "KW" total installed engine power in vessel as kilowatts, "HP" total installed engine power as horsepower
Power		M	total installed engine power
Limited Authorization	LU	O	License detail; authorization subject to specific restrictions on operation in the R.A., "Yes" or "No"
End of record	ER	M	System detail; indicates end of the record

<sup>1</sup> Mandatory when used as a single identification in other messages.

<sup>2</sup> Whichever one is appropriate.

## **B. Research Vessels**

### Information on the vessel

- (a) name of vessel owner and address;
- (b) type and name of vessel;
- (c) length, beam and draft of vessel;
- (d) port of registration, registration number, and radio call sign;
- (e) a note whether the vessel is a permanent research vessel or the period for which the vessel will be employed as a research vessel;  
and
- (f) for vessels which are temporarily employed in research only, purpose and area of research and plan of research program.

## Annex V Fishing Vessel Codes

### A. Main Vessel Types

FAO Code	Type of vessel	FAO Code	Type of vessel
<b>BO</b>	Protection vessel	<b>NOX</b>	Lift netter NEI
<b>CO</b>	Fish training vessel	<b>PO</b>	Vessel using pumps
<b>DB</b>	Dredger non continuous	<b>SN</b>	Seine netter
<b>DM</b>	Dredger continuous	<b>SO</b>	Seiner
<b>DO</b>	Beamer	<b>SOX</b>	Seiner NEI
<b>DOX</b>	Dredger NEI	<b>SP</b>	Purse seiner
<b>FO</b>	Fish carrier	<b>SPE</b>	Purse seiner european
<b>FX</b>	Fishing vessel NEI	<b>SPT</b>	Tuna purse seiner
<b>GO</b>	Gill netter	<b>TO</b>	Trawler
<b>HOX</b>	Mother ship NEI	<b>TOX</b>	Trawlers NEI
<b>HSF</b>	Factory mother ship	<b>TS</b>	Side trawler
<b>KO</b>	Hospital ship	<b>TSF</b>	Side trawler freezer
<b>LH</b>	Hand liner	<b>TSW</b>	Side trawler wetfish
<b>LL</b>	Long liner	<b>TT</b>	Stern trawler
<b>LO</b>	Liner	<b>TTF</b>	Stern trawler freezer
<b>LP</b>	Pole and line vessel	<b>TTP</b>	Stern trawler factory
<b>LT</b>	Troller	<b>TU</b>	Outrigger trawlers
<b>MO</b>	Multipurpose vessels	<b>WO</b>	Trap setter
<b>MSN</b>	Seiner hand liner	<b>WOP</b>	Pot vessels
<b>MTG</b>	Trawler drifter	<b>WOX</b>	Trap setters NEI
<b>MTS</b>	Trawler purse seiner	<b>ZO</b>	Fish research vessel
<b>NB</b>	Lift netter tender	<b>DRN</b>	Drifnetter
<b>NO</b>	Lift netter		

NEI = Not Elsewhere Identified

### B. Main vessel activities

Alfa Code	Category
<b>ANC</b>	Anchoring
<b>DRI</b>	Drifting
<b>FIS</b>	Fishing
<b>HAU</b>	Hauling
<b>PRO</b>	Processing
<b>STE</b>	Steaming
<b>TRX</b>	Trans-shipping on or off loading
<b>OTH</b>	Others - to be Specified





## **Annex VII**

### **Vessel Documents**

Elements to be included in documents onboard vessels over 10 metres in length:

- its name, if any
- the letter(s) of the port or district in which it is registered, and the number(s) under which it is registered
- its international radio call sign, if any
- the names and addresses of the owner(s) and, where applicable, the charterers
- its length and engine power

## Annex VIII

### Recording of Catch (Logbook Entries)

#### FISHING LOGBOOK ENTRIES

<u>Item of Information</u>	<u>Standard Code</u>
Vessel name .....	01
Vessel nationality .....	02
Vessel registration number .....	03
Registration port .....	04
Types of gear used (separate record for different gear types) .....	10
Type of gear	
Date - day .....	20
- month .....	21
- year .....	22
Position - latitude .....	31
- longitude .....	32
- statistical area .....	33
* <sup>1</sup> No. of hauls during the 24-hour period .....	40
* <sup>2</sup> No. of hours gear fished during the 24-hour period .....	41
Species names      (Annex II)	
Daily catch of each species (metric tons round fresh weight) .....	50
Daily catch of each species for human consumption in the form of fish .....	61
Daily catch of each species for reduction .....	62
Daily discard of each species .....	63
Place(s) of transshipment .....	70
Date(s) of transshipment .....	71
Master's signature .....	80

#### Instructions:

\*<sup>1</sup> When two or more types of gear are used in the same 24-hour period, records should be separate for the different types.

\*<sup>2</sup> Please see Annex II for Species codes; Annex VI for applicable gear and attachment codes.

## Annex IX VMS Data Format

Data Element:	Field Code:	Mandatory / Optional	Remarks:
Start record	SR	M	System detail; indicates start of record
Address	AD	M	Message detail; destination; "XNW" for NAFO
Sequence Number	SQ	M <sup>1</sup>	Message detail; message serial number in current year
Type of Message	TM <sup>4</sup>	M	Message detail; message type, "POS" as Position report/message to be communicated by VMS or other means by vessels with a defective satellite tracking device
Radio call sign	RC	M	Vessel registration detail; international radio call sign of the vessel
Trip Number	TN	O	Activity detail; fishing trip serial number in current year
Vessel Name	NA	O	Vessel registration detail; name of the vessel
Contracting Party Internal Reference Number	IR	O	Vessel registration detail. Unique Contracting Party vessel number as ISO-3 flag state code followed by number
External Registration Number	XR	O	Vessel registration detail; the side number of the vessel
Latitude	LA	M <sup>2</sup>	Activity detail; position at time of transmission
Longitude	LO	M <sup>2</sup>	Activity detail; position at time of transmission
Latitude (decimal)	LT	M <sup>3</sup>	Activity detail; position at time of transmission
Longitude (decimal)	LG	M <sup>3</sup>	Activity detail; position at time of transmission
Date	DA	M	Message detail; date of transmission
Time	TI	M	Message detail; time of transmission
End of record	ER	M	System detail; indicates end of the record

<sup>1</sup> Optional in case of a VMS message

<sup>2</sup> Mandatory for manual messages

<sup>3</sup> Mandatory for VMS messages

<sup>4</sup> Type of message shall be "ENT" for the first VMS message from the Regulatory Area as detected by the FMC of the Contracting Party. Type of message shall be "EXI" for the first VMS message from outside the Regulatory Area as detected by the FMC of the Contracting Party, and the values for latitude and longitude are, in this type of message, optional. Type of message shall be "MAN" for reports communicated by vessels with a defective satellite tracking device in accordance with Article 22 (5).

## Annex X

### Format for the Communication of Catches and Reports by Fishing Vessels

#### 1) “Catch on ENTRY” report

Data Element	Field Code	Mandatory/Optional	Remarks
Start record	SR	M	System detail; indicates start of record
From	FR	M	Name of transmitting Party
Address	AD	M	Message detail; destination, “XNW” for NAFO
Sequence Number	SQ	M	Message detail; serial number in current year
Type of Message	TM	M	Message detail; message type, “COE” as Catch on Entry report
Radio call sign	RC	M	Vessel registration detail; international radio call sign of the vessel
Trip Number	TN	O	Activity detail; fishing trip serial number in current year
Vessel Name	NA	O	Vessel registration detail; name of the vessel
Master Name	MA	M	Name of the master of vessel
External Registration Number	XR	O	Vessel registration detail; the side number of the vessel.
Latitude	LA	M	Activity detail; position at time of transmission
Longitude	LO	M	Activity detail; position at time of transmission
Relevant Area	RA	M	NAFO Division into which the vessel is about to enter
Date	DA	M	Message detail; date of transmission
Time	TI	M	Message detail; time of transmission
On Board	OB	M	Total round weight of fish by species (3-alpha code) on board upon entry into the Regulatory Area in kilograms rounded to the nearest 100 kilograms. Allow several pairs of fields, consisting of species +9 weight, with each field separated by a space, e.g. //OB/species weight species weight species weight//
Directed Species	DS	M	Directed species. Allow several species to be entered with the value separated by spaces, e.g. //DS/species species species//
End of record	ER	M	System detail; indicates end of the record

#### 2) “TRANSHIPMENT” report

Data Element	Field Code	Mandatory/Optional	Remarks
Start record	SR	M	System detail; indicates start of record
From	FR	M	Name of transmitting Party
Address	AD	M	Message detail; destination, “XNW” for NAFO
Sequence Number	SQ	M	Message detail; message serial number in current year
Type of Message	TM	M	Message detail; message type, “TRA” as Transshipment report
Radio call sign	RC	M	Vessel registration detail; international radio call sign of the vessel
Trip Number	TN	O	Activity detail; fishing trip serial number in current year
Vessel Name	NA	O	Vessel registration detail; name of the vessel
Master Name	MA	O	Name of master of vessel
External Registration Number	XR	O	Vessel registration detail; the side number of the vessel
Quantity on-loaded or off-loaded species live weight	KG	M	Quantity by species on-loaded or off-loaded in the R.A., in pairs as needed. FAO species code live weight in kilograms, rounded to the nearest 100 kilograms
Transhipped To	TT	M <sup>1</sup>	Vessel registration detail; International radio call sign of the receiving vessel
Transhipped From	TF	M <sup>1</sup>	Vessel registration detail; International radio call sign of the donor vessel
Latitude	LA	M <sup>2</sup>	Activity detail; estimated latitude where the master intends to do the transshipment

Longitude	LO	M <sup>2</sup>	Activity detail; estimated longitude where the master intends to do the transshipment
Predicted Date	PD	M <sup>2</sup>	Activity detail; estimated date UTC when the master intends to do the transshipment (YYYYMMDD)
Predicted Time	PT	M <sup>2</sup>	Activity detail; estimated time UTC when the master intends to do the transshipment (HHMM)
Date	DA	M	Message detail; date of transmission
Time	TI	M	Message detail; time of transmission
End of record	ER	M	System detail; indicates end of the record

<sup>1</sup>Whichever one is appropriate

<sup>2</sup>Optional for reports sent by the receiving vessel after the transshipment.

### 3) “Catch on EXIT” report

Data Element	Field Code	Mandatory/Optional	Remarks
Start record	SR	M	System detail; indicates start of record
Address	AD	M	Message detail; destination, “XNW” for NAFO
From	FR	M	Name of transmitting party
Sequence Number	SQ	M	Message detail; message serial number in current year
Type of Message	TM	M	Message detail; “COX” as Catch on Exit report
Radio call sign	RC	M	Vessel registration detail; international radio call sign of the vessel
Trip Number	TN	O	Activity detail; fishing trip serial number in current year
Vessel Name	NA	O	Vessel registration detail; name of the vessel
Master Name	MA	O	Name of master of vessel
External Registration Number	XR	O	Vessel registration detail; the side number of the vessel
Latitude	LA	O <sup>1</sup>	Activity detail; position at time of transmission
Longitude	LO	O <sup>1</sup>	Activity detail; position at time of transmission
Relevant Area	RA	M	NAFO area from which the vessel is about to exit
Catch	CA		Activity detail; Cumulative catch retained on board by species, either since commencement of fishing in the R.A. or last “Catch” report (CAX) if such a report is sent according to the Pilot Project, in pairs as needed.
species		M	FAO species code
live weight		M	Live weight in kilograms, rounded to the nearest 100 kilograms
Days Fished	DF	O	Activity detail; number of fishing days in the Regulatory Area either since commencement of fishing or last “Catch” report
Date	DA	M	Message detail; date of transmission
Time	TI	M	Message detail; time of transmission
End of record	ER	M	System detail; indicates end of the record

<sup>1</sup>Optional if the vessel is subject to satellite tracking in accordance with Article 22(1).

#### 4) "PORT of landing" report

Data Element	Field Code	Mandatory/Optional	Remarks
Start record	SR	M	System detail; indicates start of record
From	FR	M	Name of transmitting Party
Address	AD	M	Message detail; destination, "XNW" for NAFO
Sequence Number	SQ	M	Message detail; serial number of the report from the vessel in the relevant year
Type of Message	TM	M	Message detail; message type, "POR"
Radio call sign	RC	M	Vessel registration detail; international radio call sign of the vessel
Trip Number	TN	O	Activity detail; fishing trip serial number in current year
Vessel Name	NA	O	Vessel registration detail; name of the vessel
Name of Master	MA	O	Name of master of vessel
External Registration Number	XR	O	Vessel registration detail; the side number of the vessel
Latitude	LA	M <sup>1</sup>	Activity detail; position at time of transmission
Longitude	LO	M <sup>1</sup>	Activity detail; position at time of transmission
Coastal state	CS	M	Activity detail; coastal state of Port of Landing
Name of Port	PO	M	Activity detail; name of Port for landing
Predicted Date	PD	M	Activity detail; estimated date UTC when the master intends to be in port (YYYYMMDD)
Predicted Time	PT	M	Activity detail; estimated time UTC when the master intends to be in port (HHMM)
Quantity to be landed species live weight	KG	M	Activity detail; quantity by species to be landed in the Port, in pairs as needed. FAO species code live weight in kilograms, rounded to the nearest 100 kilograms
Quantity on board species live weight	OB	M	Activity detail; quantity by species on-board, in pairs as needed. FAO species code live weight in kilograms, rounded to the nearest 100 kilograms
Date	DA	M	Message detail; UTC date of transmission
Time	TI	M	Message detail; UTC time of transmission
End of record	ER	M	System detail; indicates end of the record

<sup>1</sup>Optional if a vessel is subject to satellite tracking.

# Annex XI Report of Inspection

## REPORT OF INSPECTION

THE NORTHWEST ATLANTIC FISHERIES ORGANIZATION

(Inspector: Please use CAPITAL BLOCK LETTERS)

AUTHORIZED INSPECTOR(S)

1. NAME(s)..... CONTRACTING PARTY.....
2. Name and Identifying letters and/or Number of Vessel Carrying Inspector(s)  
.....

INFORMATION ON VESSEL INSPECTED

3. Contracting Party and Port of Registry.....
4. Vessel's Name and Registration Number.....
5. Master's Name.....
6. Owner's Name and Address.....  
.....
7. Position as determined by inspecting vessel's master at .....UTC; Lat.....Long.....
8. Position as determined by fishing vessel's master at .....UTC; Lat..... Long.....

DATE AND TIMES THE INSPECTION COMMENCED AND FINISHED

9. Date ..... Time arrived on board ..... UTC-Time of Departure ..... UTC

MESH MEASUREMENT - IN MILLIMETERS

10. Type of Net \_\_\_\_\_

Codend (inclusive of lengthener(s), if any) - Samples of 20 meshes 100 mm+ \_\_\_\_\_

	Width (Mesh Size)	Average Width	Legal Size															
1 <sup>st</sup> Net																		
2 <sup>nd</sup> Net																		

Chafer - Samples of \_\_\_\_ meshes

1 <sup>st</sup> Net																		
2 <sup>nd</sup> Net																		

Rest of Net - Samples of 20 meshes

1 <sup>st</sup> Net																			
2 <sup>nd</sup> Net																			

11. Have the records of catches been retained aboard for the duration of the quota period? YES/NO

Result of Inspection of Fish on board

12. Result of Inspection of Fish Observed in last tow (if appropriate)

TOTAL TONS	ALL SPECIES TAKEN	PERCENTAGE OF EACH

13. Result of inspection of catches on board

Fish species with 3-Alpha Code	Inspectors Estimate (tonnes)

Inspectors comments on how estimates were calculated:

.....  
 .....  
 .....  
 .....

14. Summary of catches from logbooks for current fishing trip/quota period:

DATE OF ENTRY INTO REGULATORY AREA	DIVISION	FISH SPECIES WITH 3-ALPHA CODE	CATCH (METRIC TONS)	HOW PROCESSED	DISCARDS



15.

Nature of infringement:  Signature of inspector: .....  Signature of master: .....
--

COMMENTS AND OBSERVATIONS

16. Documents inspected following an infringement.....

17. Comments: (In the case of a difference between the inspector's estimates of the catches on board and the related summaries of catches from the logbooks, note this difference with the percentage)  
 .....  
 .....  
 .....

18. Subjects of photographs taken relating to an infringement  
 .....  
 .....

19. Other comments, statements and/or observations by Inspector(s)  
 .....  
 .....

20. Statements of Second Inspector or Witness  
 .....  
 .....

21. Name and Signature of Second Inspector or Witness.....

22. Signature of Inspector in charge.....

23. Statement of Master's Witness(es)  
 .....  
 .....  
 .....

24. Name and Signature of Master's Witness(es)  
 .....

25. Acknowledgement and receipt of report:

I, the undersigned, Master of the vessel....., hereby confirm that a copy of this report and second photographs taken have been delivered to me on this date. My signature does not constitute acceptance of any part of the contents of the report.

Date..... Signature.....

26. Comments and signature by the Master of vessel  
 .....  
 .....  
 .....

COPY TO MASTER, ORIGINAL TO BE RETAINED BY INSPECTOR FOR REQUIRED DISTRIBUTION

1. The forms for the Report of Inspection shall be collated in a booklet with each page having an original and two self-carbon copies (preferably coloured and preferably 1 yellow and 1 green).
2. Page packets are to be perforated at the top and bottom of the page for easy removal.
3. Items 1 through 8 and item 17 of the Report are to be highlighted with red ink.
4. Booklets should be bound preferably with 20 complete sets of the 3-page report.
5. The size of every page, after removal from the packet, should be 355.5 mm (14") in length by 216 mm (8 1/2") in width.

# Annex XII Surveillance Report Form

## THE NORTHWEST ATLANTIC FISHERIES ORGANIZATION SURVEILLANCE REPORT PART I

### AUTHORIZED INSPECTORS

1. Name(s) ..... Document Identity No.(s).....  
 .....  
 .....

Contracting Party .....

2. Identification/Call Sign of Surveillance Craft .....  
 Patrol Originating in Reg. Area at (Posn) .....on (Date) (time) UTC  
 Patrol Leaving Reg. Area at (Posn) .....on (Date) (time) UTC

### DETAILS OF VESSEL OBSERVED

3. Contracting Party .....  
 4. Vessels Name and Letters and Numbers of Registration .....  
 5. Other Identifying Features (Type of vessel, colour of hull, superstructure, etc.)  
 .....  
 .....  
 6. Date/Time UTC When First Identified ..... Course & Speed .....  
 Position at Time at First I.D. NAFO Sub Div.....  
     Lat. ....  
     Long. ....  
 Equipment used in Determining Position .....

### 7. WEATHER CONDITIONS

Wind Dir                      Sea State .....  
 Wind Speed                 Visibility .....

### 8. DETAILS OF PHOTOGRAPHS TAKEN

	Date/Time	Posn.	Altitude in case of air surveillance
a.	.....	.....	.....
b.	.....	.....	.....
c.	.....	.....	.....
d.	.....	.....	.....

**PART II**  
**(to be completed by the inspector not less than 72 hours**  
**following the observation recorded in Part I)**

**(NOT APPLICABLE TO NON-CONTRACTING PARTIES)**

I hereby certify that to date, in respect of the fishing vessel .....information received by the  
.....authorities from the competent authorities of the Contracting Party  
..... pursuant to Articles 22 and 23 of the Conservation and Enforcement Measures, does not  
correspond with the observation recorded in Part I of this report.

Authorized Inspector: .....

Signature: .....

## Annex XIII Port Inspection Report

### A. "PORT INSPECTION REPORT" FORM

Page n°  Of

#### 1. INSPECTION REFERENCE

Inspection authority

Date of the report

Port of inspection

Vessel name

#### 2. TRIP INFORMATION<sup>1</sup>

Date trip started

Trip number<sup>2</sup>

Activity in the NAFO RA :

Date Entry in the RA

Date Exit from the RA

Other areas visited

Date trip ended

#### 3. VESSEL IDENTIFICATION<sup>3</sup>

External Identification

International Radio Call Sign

Flag State

NAFO Contracting Party

Home port

Vessel owner

Vessel operator

Master name

#### 4. RESULT OF INSPECTION OF DISCHARGE<sup>4</sup>

##### 4.1. General information

Starting of discharge :                      Date                               Time               

Ending of discharge :                      Date                               Time               

Has vessel discharged all catches on              YES                               *If YES, fill in table 4.2*  
board?  
    NO                                *If NO, fill table 4.3*

Comments   

##### 4.2 Quantity discharged

Species (FAO Code)	Presentation	Live Weight (Log Book, kg)	Conversion factor	Landing Processed Wt (kg)	Equivalent live weight (kg)	Diff. (kg)	Diff. (%)
Comments		<input type="text"/>					

##### 4.3 Quantity staying on board the vessel

*To be filled where part of the catches stay on board after completion of discharge*

Species	Presentation	Conversion factor	Process weight (kg)	Equivalent live weight (kg)
Comments		<input type="text"/>		

## 5. GEAR INSPECTION IN PORT<sup>5</sup>

### 5.1 General data

Number of gear inspected

Date gear inspection

Has the vessel been cited ?

If Yes, complete the full "verification of inspection in port" form.

If No, complete the form with the exception of the NAFO Seal Details.

<input type="checkbox"/>	Yes
<input type="checkbox"/>	No

### 5.2 Otter Trawl details

NAFO Seal number

Is seal undamaged ?

Yes

No

Gear Type:

Attachments:

Grate Bar Spacing (mm)

Mesh Type:

Average mesh sizes (mm)	
TRAWL PART	
Wings:	
Body:	
Lengthening. Piece:	
Codend:	

## B. INFORMATION TO BE INSERTED IN THE REPORT

### 1. INSPECTION REFERENCES

Data Element	M/O	Category ; Definition
Inspection authority	M	Inspection detail : Name of the inspection authority or of the alternate body nominated by the authority
Date	M	Inspection detail : Date the report is compiled
Port of inspection	M	Vessel activity detail : Place where the vessel is inspected : port followed by ISO -3 code of the country as "St Johns / CAN"
Vessel Name	M	Vessel registration detail; name of the vessel

### 2. TRIP INFORMATION

Data Element	M/O	Category ; Definition
Date trip started	M	Vessel activity details : date started the current fishing trip
Vessel trip number	O	Vessel activity details : Number of the fishing trip in current year
Date Entry in the RA	M	Vessel activity details : Date the vessel entered the NRA for the current fishing trip
Date Exit from the RA	M	Vessel activity details : Date the vessel exited from the NRA for the current fishing trip
Other areas visited	O	Vessel activity detail : other area where vessel have been fishing during the current trip
Date trip Ended	M	Vessel activity details : date ended the current fishing trip

### 3. VESSEL IDENTIFICATION

Data Element	M/O	Category ; Definition
External Identification Number	M	Vessel registration details : Side Number of the vessel
International Radio Call Sign	M	Vessel registration details : International Radio Call Sign of the vessel
Flag State	M	Vessel registration detail; State where the vessel is registered, 3-ISO country code
NAFO Contracting Party	O (1)	Vessel registration detail :NAFO contracting party of the vessel, as ISO code of the country, EUR for European Community, NCP for Non Contracting Party
Home port	O	Vessel registration details : Port of registration of the vessel or homeport
Vessel owner	M	Vessel registration details : name and address of the vessel owner
Vessel operator	M (2)	Vessel registration details : responsible for using the vessel
Master name	O	Vessel activity details : name of the master

(1) if different from the flag state

(2) if different from the vessel owner

### 4. RESULT OF INSPECTION ON DISCHARGE

#### 4.1 General information

Data Element	M/O	Category ; Definition
Start date of discharge	M	Discharge detail : date the vessel started discharge
End date of discharge	M	Discharge detail : date the vessel finished discharge
Has vessel landed all catches on board ?	M	Discharge detail : Has vessel landed all catches on board ?, answer Y if yes, N if not
Comments	O	Discharge detail : comments as necessary. If discharge as not been completed, please give an estimation on catch still on board

#### 4.2 Quantity discharged

Data Element	M/O	Category ; Definition
Species	M	Discharge detail : FAO 3-alpha code (part V, schedule II, attachment II)
Presentation	M	Discharge detail : Product form
Live Weight	M	Quantities determined from the logbook.
Conversion factor	O	Product detail : Conversion factor as define by the master for the corresponding species, size and presentation, optional if already mention in table B
Process weight	M	Discharge detail : Quantities landed by species and presentation, in kilograms of product, rounded to the nearest 10 kg
Equivalent live weight	M	Discharge detail : Quantities landed in equivalent live weight, as “product weight x conversion factor”, in kilograms, rounded to the nearest 10 kg
Comments	O	Discharge Details : free text area

#### 4.3 Quantities staying on board the vessel

Data Element	M/O	Category ; Definition
Species	M	Discharge detail : FAO 3-alpha code (part V, schedule II, attachment II)
Presentation	M	Discharge detail : Product form
Conversion factor	O	Product detail : Conversion factor as define by the master for the corresponding species, size and presentation, optional if already mention in table B
Process weight	M	Discharge detail : Quantities landed by species and presentation, in kilograms of product, rounded to the nearest 10 kg
Equivalent live weight	M	Discharge detail : Quantities landed in equivalent live weight, as “product weight x conversion factor”, in kilograms, rounded to the nearest 10 kg
Comments	O	Discharge Details : free text area



## 5. RESULT OF GEAR INSPECTION<sup>6</sup>

### 5.1 General information

Data Element	M/O	Category ; Definition
<b>Date of inspection</b>	M	Inspection detail : Date of current gear inspection
<b>Inspected gear</b>	M	Inspection detail : number of gear checked during port inspection

### 5.2 Otter trawl details

Data Element	M/O	Category ; Definition
<b>NAFO seal number</b>	M	Inspection detail (if required) : Number of the NAFO seal attached to the gear after inspection at sea
<b>Is Seal Undamaged ?</b>	M	Whether NAFO inspection seal is intact. – “yes” or “no”
<b>Gear type</b>	M	International Standard Statistical Classification of the Fishing Gear , OTB for otter trawl
<b>Attachments</b>		Otter trawl detail : attachment to footrope
<b>Grade bar spacing</b>	M	Otter trawl detail : grade bar spacing in millimetres
<b>Mesh type</b>	M	Otter trawl detail : respectively mesh type: SQ for square mesh , DI for diamant mesh
<b>Mesh size average</b>	M	Otter trawl detail : average mesh size in the trawl part, by pair
<b>Trawl part</b>	M	Trawl part measured
<b>Mesh size</b>	M	Mesh size in millimetres

<sup>1</sup> To be filled in by the inspection authority or any alternate body nominated by the authorities as soon as the vessel land to port, based on logbook records.

<sup>2</sup> Where applicable

<sup>3</sup> To be filled in based on the license information

<sup>4</sup> To be filled in after completion of discharge

<sup>5</sup> Verification shall be done when non-compliance have been cited / observed during inspection at sea. To be filled in when port inspection also concerns inspection of gears on board. A detail form shall be filled in for every gear having been subject to port inspection.

<sup>6</sup> Verification shall be done when non-compliance have been cited / observed during inspection at sea. To be filled in when port inspection also concerns inspection of gears on board. A detail form shall be filled in for every gear having been subject to port inspection.

## **Annex XIV**

### **Mesh Measurements and Gauges**

#### **1. Description of mesh gauges**

- a. A mesh gauge to be used for determining mesh sizes shall be 2 mm thick, flat, of durable material and non-deformable. It shall be designed either as a number of parallel-edged sides connected by tapering edges with a taper of 1:8 on each side or only tapering edges with the taper defined above. The mesh gauge shall have a hole at the narrowest extremity.
- b. The face of the mesh gauge shall be inscribed with the width in millimetres both on the parallel-sided section, if this design is used and on the tapering section. In the case of the latter, the width shall be inscribed for every interval of 1mm and the width shall be indicated at regular intervals.

#### **2. Use of the mesh gauge**

- a. The net shall be kept stretched so that the meshes are stretched in the direction of the long diagonal.
- b. The tapered end of the mesh gauge described in point 1 shall be inserted into the mesh opening in a direction perpendicular to the netting along the long axis of the net.
- c. The gauge shall be inserted into the mesh opening either manually or using a weight until the mesh gauge is stopped by the resistance of the mesh at the tapering edges.

#### **3. Selection of meshes for measuring**

- a. The meshes to be measured shall form a series of 20 consecutive meshes selected in the direction of the long axis of the net.
- b. Meshes positioned less than 50 cm from lacings, ropes and codlines shall not be measured. This distance shall be measured perpendicular to the lacings, the ropes or the codline with the net stretched in the direction of measuring. Any mesh that has been mended or torn or to which attachments to the net are fixed shall not be measured.
- c. By way of derogation from 3a), the meshes to be measured need not be consecutive if this is prevented by the application of 3b).
- d. Nets shall be measured only when wet and non-frozen.

#### **4. Sizes of individual meshes**

- a. The size of a mesh shall be equal to the width of the gauge inscribed at the point where the gauge is stopped when used in accordance with point 2.
- b. The sides of a mesh shall be accepted as being of the same length if, when measured, the two knots that keep the mesh together in the lateral direction appear to be off the centre of the mesh gauging device.

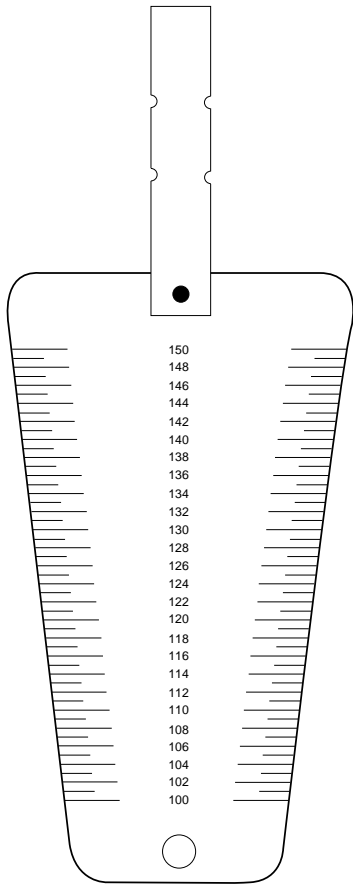
#### **5. Determination of the mesh size of a net**

- a. The mesh size of a net shall be expressed in mm as the average of the sizes of the total number of meshes selected and measured according to points 3 and 4. The average value shall be rounded up to the next full number of millimetres.
- b. The total number of meshes to be measured is specified in point 6.

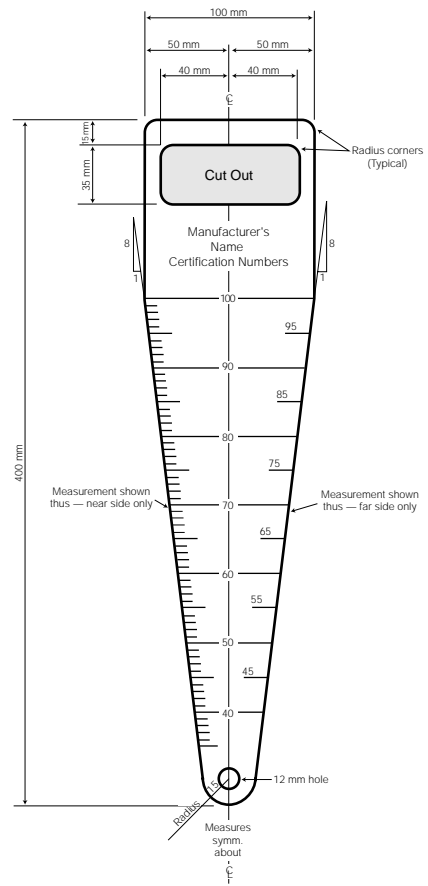
#### **6. Mesh gauging procedure**

- a. Only meshes which have 4 sides, equally long, of the same material, and 4 permanent joints or knots are permitted.
- b. Mesh size shall be calculated by averaging:
  - in respect of the codend of a net, including any lengthener(s), the measurements, in millimeters, of any 20 consecutive meshes running parallel to the long axis of the codend, beginning at the after end of the codend, and at least 10 meshes from the lacings; and
  - in respect of any part of a net, the measurements, in millimeters, of any 20 consecutive meshes that are at least 10 meshes from the lacings.

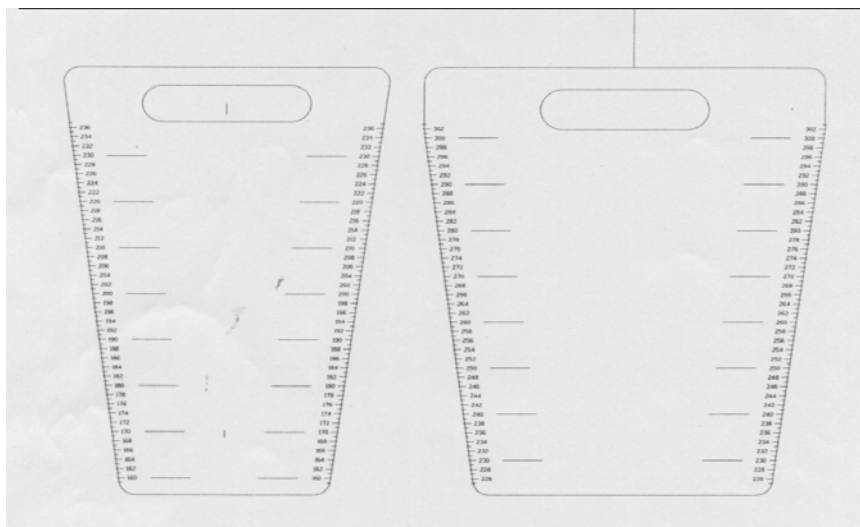
**EXAMPLE OF LARGE SIZE GAUGE**



**EXAMPLE OF SMALL SIZE GAUGE**



**EXAMPLE OF SKATE GAUGES**



160 – 236 mm

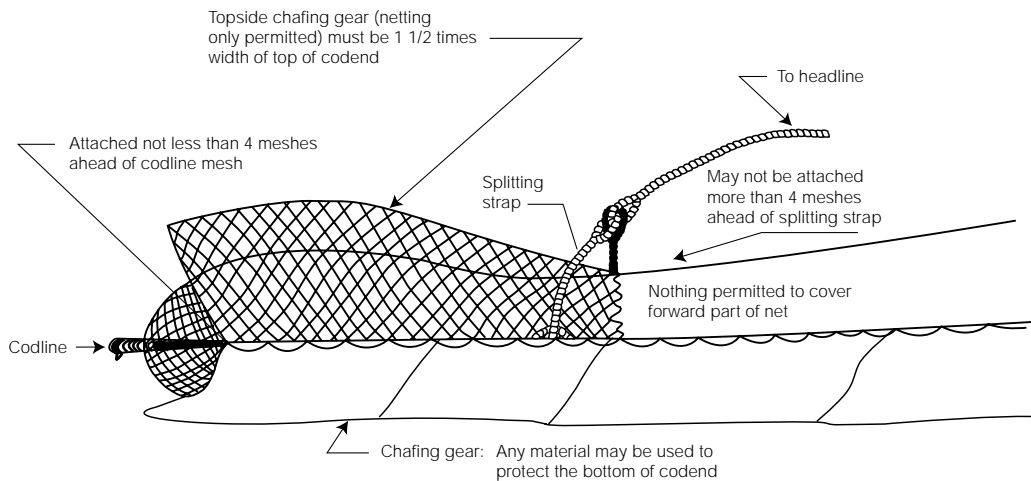
226 – 302 mm

## Annex XV Authorized Topside Chafers

### 1. ICNAF-type topside chafer

The ICNAF-type topside chafer is a rectangular piece of netting to be attached to the upper side of the codend of the trawl net to reduce and prevent damage so long as such netting conforms to the following conditions:

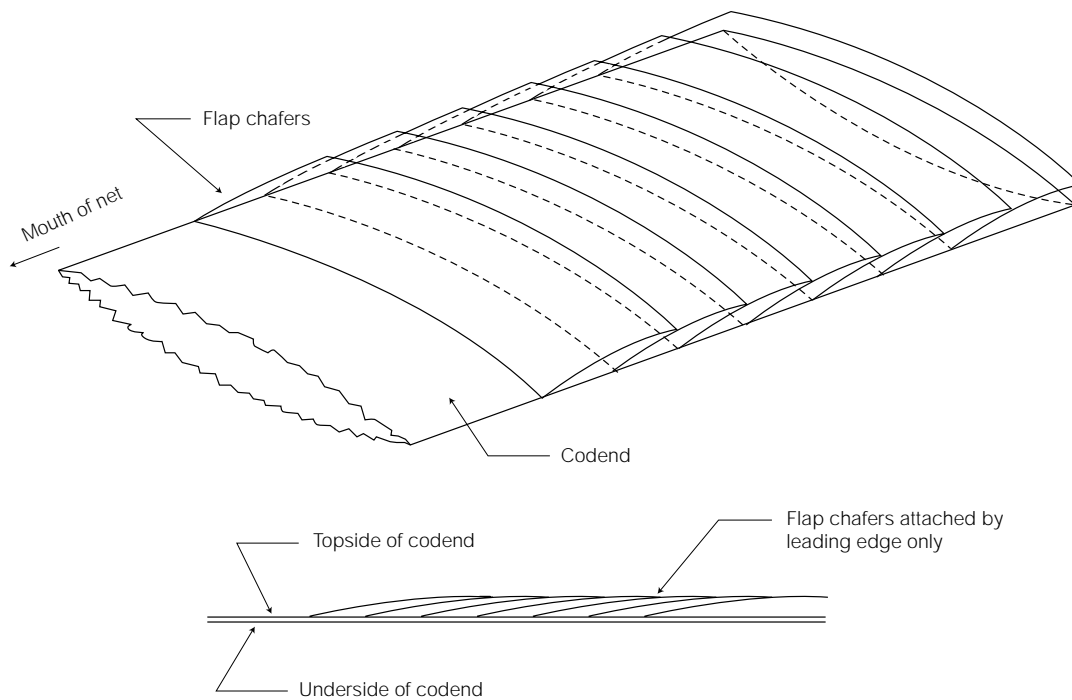
- (a) this netting shall have a mesh size not less than that specified for the codend in Article 10;
- (b) this netting may be fastened to the codend only along the forward and lateral edges of the netting and at no other place in it, and shall be fastened in such a manner that it extends forward of the splitting strap no more than four meshes and ends not less than four meshes in front of the cod line mesh; where a splitting strap is not used, the netting shall not extend to more than one-third of the codend measured from not less than four meshes in front of the cod line mesh;
- (c) the width of this netting shall be at least one and a half times the width of the area of the codend which is covered, such widths to be measured at right angles to the long axis of the codend.



## 2. Multiple flap-type topside chafer

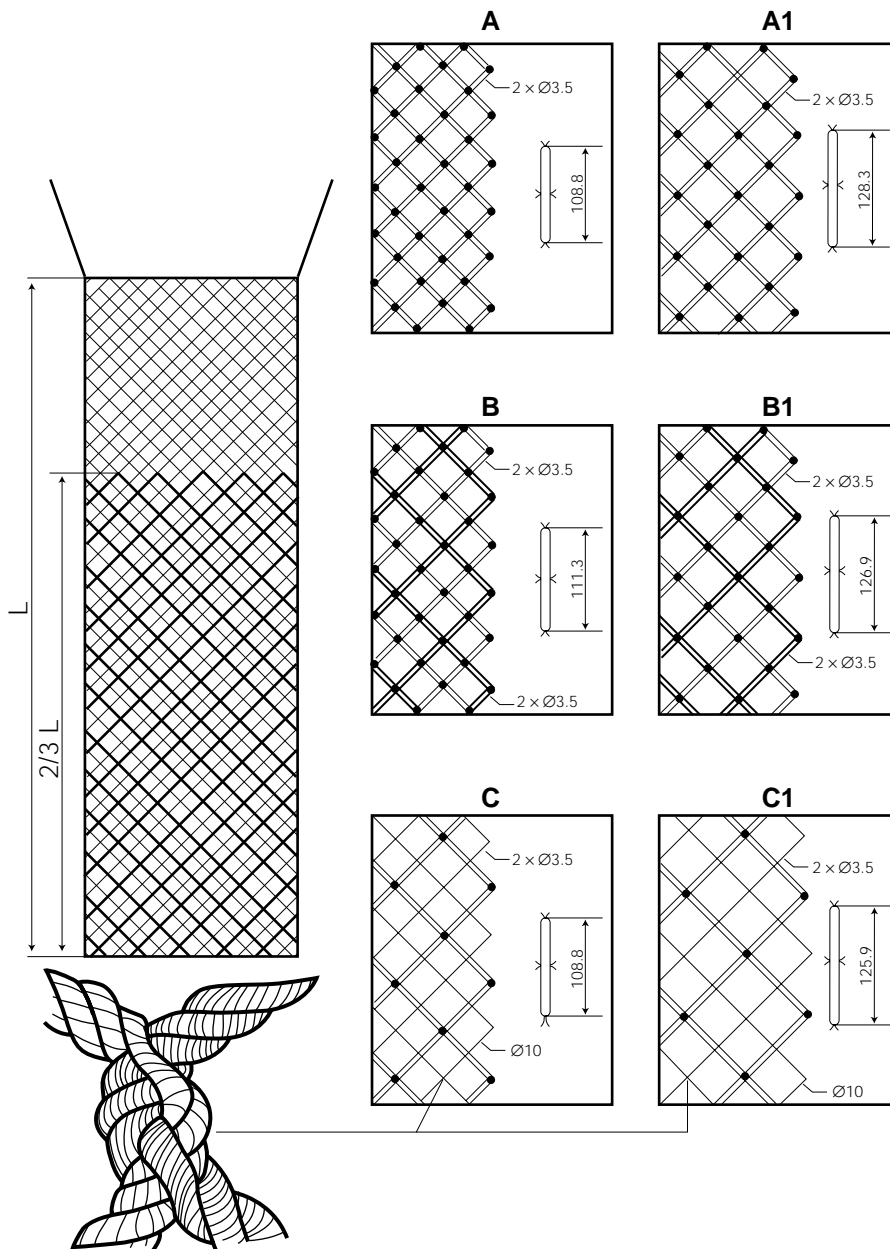
The multiple flap-type topside chafer is defined as pieces of netting having in all their parts meshes the size of which, whether the pieces of netting are wet or dry, is not less than that of the codend, provided that:

- (i) each piece of netting
  - (a) is fastened by its forward edge only across the codend at right angles to its long axis;
  - (b) is of a width of at least the width of the codend (such width being measured at right angles to the long axis of the codend at the point of attachment); and
  - (c) is not more than ten meshes long; and
- (ii) the aggregate length of all the pieces of netting so attached does not exceed two-thirds of the length of the codend.



### 3. Large-mesh (modified Polish-type) topside chafer

The large-mesh topside chafer consists of a rectangular piece of netting made of the same twine material as the codend, or of a single, thick, knotless twine material, attached to the rear portion of the upper side of the codend and extending over all or any part of the upper side of the codend and having in all its parts a mesh size twice that of the codend when measured wet and fastened to the codend along the forward, lateral and rear edges only of the netting in such a way that each mesh of the netting coincides with four meshes of the codend.

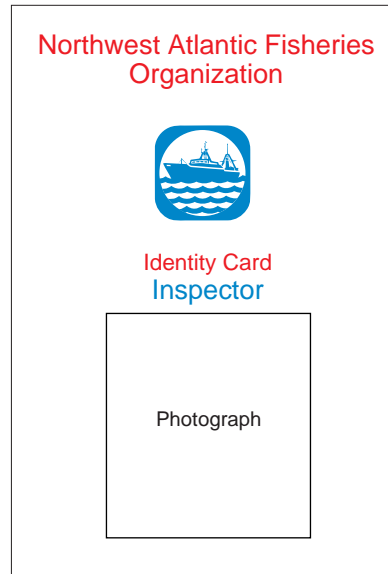


# Annex XVI Document of Identity

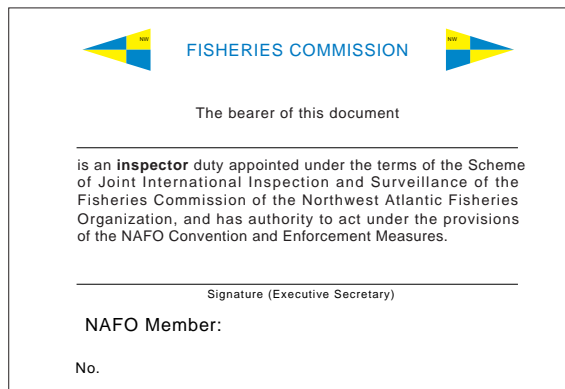
## INSPECTOR'S/TRAINEE'S DOCUMENT OF IDENTITY

(not smaller than 8.5 cm x 5.5 cm).

Front

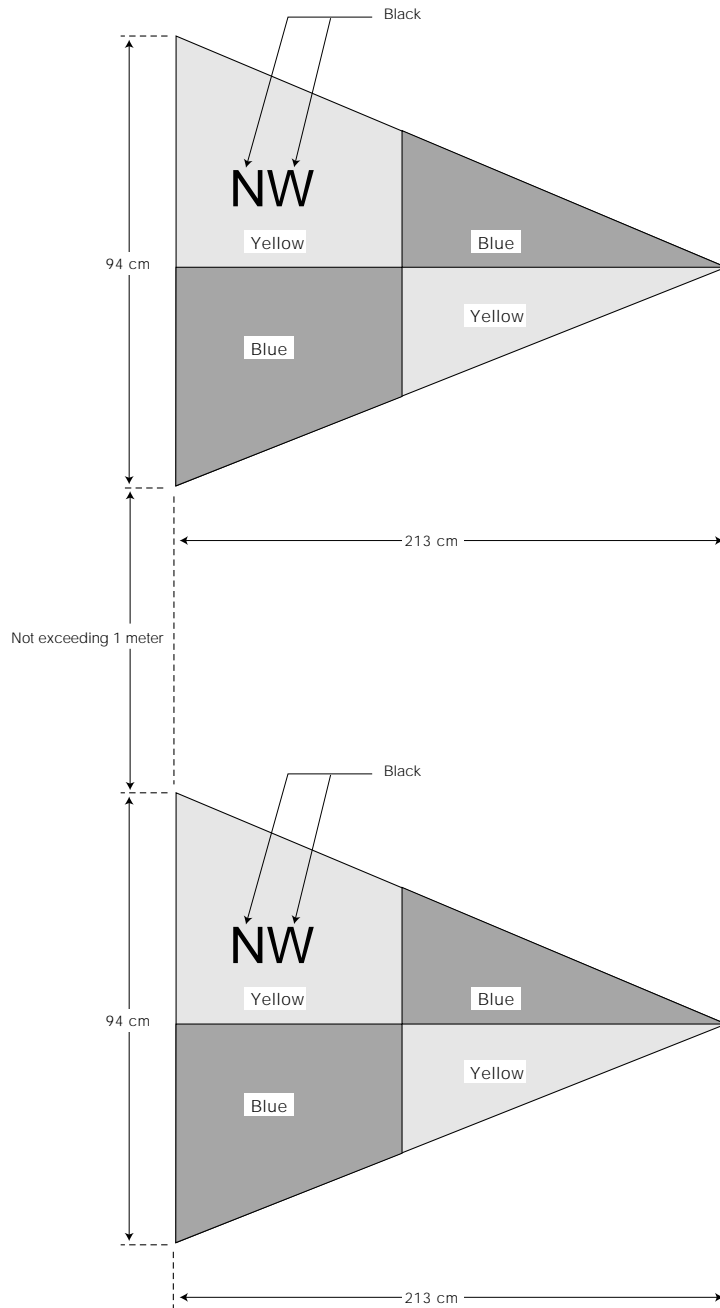


Back



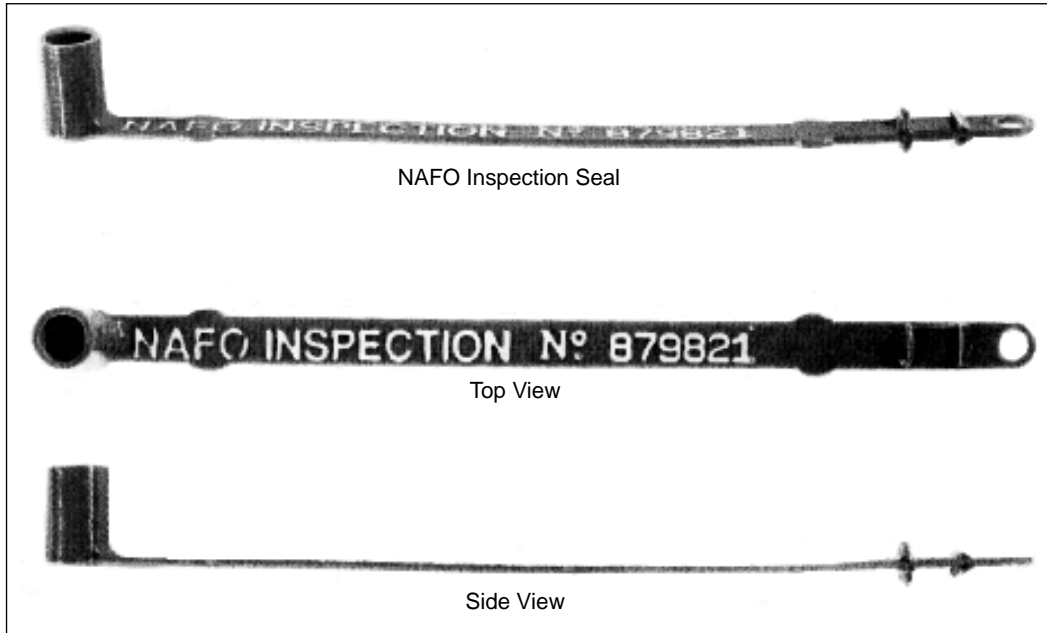
# Annex XVII

## NAFO Inspection Pennants





## Annex XVIII NAFO Inspection Seal



The NAFO Inspection Seal shall be as follows:

Name	LOB TAG
Mark .....	"NAFO Inspection No. of six digits"
Material.....	polyethylene recyclable
Colour .....	orange
Melt index.....	6.70 + .60 (by international standard)
Density.....	953 + .003 (by international standard)
Breaking point (load).....	min. 45 kg ( $\tau^{\circ}$ 20°C)

## **Annex XIX**

### **Rules on Confidentiality**

#### **PROVISIONS ON SECURE AND CONFIDENTIAL TREATMENT OF ELECTRONIC REPORTS AND MESSAGES TRANSMITTED PURSUANT TO ARTICLES 22-23 OF THE CONSERVATION AND ENFORCEMENT MEASURES.**

#### **1. Field of application**

The provisions set out below shall apply to all electronic reports and messages transmitted and received pursuant to Articles 22-23 of the Conservation and Enforcement Measures, hereinafter referred to as “reports and messages”.

#### **2. General Provisions**

- 2.1. The Executive Secretary and the appropriate authorities of Contracting Parties transmitting and receiving reports and messages shall take all necessary measures to comply with the security and confidentiality provisions set out in sections 3 and 4.
- 2.2. The Executive Secretary shall inform all Contracting Parties of the measures taken in the secretariat to comply with these security and confidentiality provisions.
- 2.3. The Executive Secretary shall take all the necessary steps to ensure that the requirements pertaining to the deletion of reports and messages handled by the Secretariat are complied with.
- 2.4. Each Contracting Party shall guarantee the Executive Secretary the right to obtain as appropriate, the rectification of reports and messages or the erasure of reports and messages the processing of which does not comply with the provisions of the Conservation and Enforcement Measures.
- 2.5. Notwithstanding the provisions in Article 22.8, the Fisheries Commission may instruct the Executive Secretary not to make available the reports and messages received under Article 22 and 23 to a Contracting Party, where it is established that the Contracting Party in question has not complied with these security and confidentiality provisions.

#### **3. Provisions on Confidentiality**

- 3.1. Reports and messages shall be used only for the purposes stipulated in the Conservation and Enforcement Measures. No report or message referred to in section 1 shall be kept in a computer database at the Secretariat unless explicitly provided for in the Conservation and Enforcement Measures.
- 3.2. Each inspecting Contracting Party shall make available reports and messages only to their means of inspection and their inspectors assigned to the Scheme of Joint International Inspection and Surveillance. Reports and messages shall be transmitted to the inspection platforms and inspectors not more than 48 hours prior to entry into the Regulatory Area.
- 3.3. The Executive Secretary shall delete all the original reports and messages referred to in section 1 from the database at the Secretariat by the end of the first calendar month following the year in which the reports and messages have originated. Thereafter the information related to the catch and movement of the fishing vessels shall only be retained by the Executive Secretary, after measures have been taken to ensure that the identity of the individual vessels can no longer be established.
- 3.4. The Executive Secretary shall not make available reports and messages to other parties than those specified explicitly in Article 22.8 of the Conservation and Enforcement Measures.
- 3.5. Inspecting Contracting Parties may retain and store reports and messages transmitted by the Secretary until 24 hours after the vessels to which the reports and messages pertain have departed from the Regulatory Area without re-entry. Departure is deemed to have been effected six hours after the transmission of the intention to exit from the Regulatory Area.

#### **4. Provisions on security**

##### **4.1 Overview**

Inspecting Contracting Parties and the Secretariat shall ensure the secure treatment of reports and messages in their respective electronic data processing facilities, in particular where the processing involves transmission over a network. Contracting Parties and the Secretariat must implement appropriate technical and organizational measures to protect reports and messages against accidental or unlawful destruction or accidental loss, alteration, unauthorized disclosure or access, and against all inappropriate forms of processing.

The following security issues must be addressed from the outset:

- System access control:  
The system has to withstand a break-in attempt from unauthorized persons.
- Authenticity and data access control:  
The system has to be able to limit the access of authorized parties to a predefined set of data only.
- Communication security:  
It shall be guaranteed that reports and messages are securely communicated.
- Data security:  
It has to be guaranteed that all reports and messages that enter the system are securely stored for the required time and that they will not be tampered with.
- Security procedures:  
Security procedures shall be designed addressing access to the system (both hardware and software), system administration and maintenance, backup and general usage of the system.

Having regard to the state of the art and the cost of their implementation, such measures shall ensure a level of security appropriate to the risks represented by the processing of the reports and the messages.

Security measures are described in more detail in the following paragraphs.

#### 4.2 System Access Control

For their main computer systems the Contracting Parties and the Secretariat shall aim to meet the criteria of a C2-level trusted system, (as described in Section 2.2 of the U.S. Department of Defence Trusted Computer System Evaluation Criteria (TCSEC), DOD 5200.28-STD, December 1985).

The following features are some of the ones provided by a C2-level trusted system:

- A stringent password and authentication system. Each user of the system is assigned a unique user identification and associated password. Each time the user logs on to the system he/she has to provide the correct password. Even when successfully logged on the user only has access to those and only those functions and data that he/she is configured to have access to. Only a privileged user has access to all the data.
- Physical access to the computer system is controlled.
- Auditing; selective recording of events for analysis and detection of security breaches.
- Time-based access control; access to the system can be specified in terms of times-of-day and days-of-week that each user is allowed to login to the system.
- Terminal access control; specifying for each workstation which users are allowed to access.

#### 4.3 Authenticity and Data Access Security

Data exchange protocols for electronic transmission of reports and messages between Contracting Parties and the Secretariat shall be duly tested by the Secretariat and approved by the Fisheries Commission. Electronic transmission is subject to security procedures laid down in this Annex.

#### 4.4 Communication Security

Appropriate encryption protocols duly tested by the Secretariat and approved by the Fisheries Commission shall be applied to ensure confidentiality and authenticity.

#### 4.5 Data Security

Access limitation to the data shall be secured via a flexible user identification and password mechanism. Each user shall be given access only to the data necessary for his task.

#### 4.6 Security Procedures

Each Contracting Party and the Executive Secretary shall nominate a security system administrator. The security system administrator shall review the log files generated by the software, properly maintain the system security, restrict access to the system as deemed needed and act as a liaison with the Secretariat in order to solve security matters.

## Annex XX (a)

### 1. Daily Catch Report – Chapter VII (CAX)

Data Element	Code	Mandatory / Optional	Remarks
Start record	SR	M	System detail; indicates start of record
Address	AD	M	Message detail; destination, “XNW” for NAFO
Sequence Number	SQ	M	Message detail; message serial number in current year
Type of Message	TM	M	Message detail; message type, “CAX” as Catch report
Radio call sign	RC	M	Vessel registration detail; international radio call sign of the vessel
Trip Number	TN	O	Activity detail; fishing trip serial number in current year
Vessel Name	NA	O	Vessel registration detail; name of the vessel
Contracting Party Internal Reference Number	IR	O	Vessel registration detail; unique Contracting Party vessel number as ISO-3 flag state code followed by number
External Registration Number	XR	O	Vessel registration detail; the side number of the vessel
Relevant Area	RA	M	Activity detail; NAFO Division
Latitude	LA	M <sup>1</sup>	Activity detail; position at time of transmission
Longitude	LO	M <sup>1</sup>	Activity detail; position at time of transmission
Daily Catches	CA		Activity detail; cumulative catch by species retained on board (exclusive of discards), either since commencement of fishing in R.A. <sup>2</sup> or last “Catch” report, in pairs as needed.
species		M	FAO species code
live weight		M	Live weight in kilograms, rounded to the nearest 100 kilograms
Discarding	RJ	M	Activity detail; discarded catch by species, either since commencement of fishing in R.A. <sup>2</sup> or last “Catch” report, in pairs as needed.
species			FAO species code
live weight			Live weight in kilograms, rounded to the nearest 100 kilograms
Undersize	US	M	Activity detail; undersize catch by species, either since commencement of fishing in R.A. <sup>2</sup> or last “Catch” report, in pairs as needed.
species			FAO species code
live weight			Live weight in kilograms, rounded to the nearest 100 kilograms
Date	DA	M	Message detail; date of transmission
Time	TI	M	Message detail; time of transmission
End of record	ER	M	System detail; indicates end of the record

1 Optional if a vessel is subject to satellite tracking

2 Meaning the first “Catch Report” in current fishing trip in the R.A.

## 2. Observer Report (OBR)

Data Element	Code	Mandatory / Optional	Remarks
Start record	SR	M	System detail; indicates start of record
Address	AD	M	Message detail; destination, “XNW” for NAFO
Sequence Number	SQ	M	Message detail; message serial number in current year
Type of Message	TM	M	Message detail; message type, “OBR” as Observer report
Radio call sign	RC	M	Vessel registration detail; international radio call sign of the vessel
Fishing Gear	GE	M	Activity detail; FAO code for fishing gear
Directed Species <sup>7</sup>	DS	M	Activity detail; FAO species code
Mesh Size	ME	M	Activity detail; average mesh size in millimeters
Relevant Area	RA	M	Activity detail; NAFO Division
Daily Catches	CA	M	Activity detail; cumulative catch by species retained on board, (exclusive of discards), either since commencement of fishing in R.A. <sup>2</sup> or last “Catch” report, in pairs as needed.
species		M	FAO species code
live weight			Live weight in kilograms, rounded to the nearest 100 kilograms
Discarding	RJ	M <sup>1</sup>	Activity detail; discarded catch by species, either since commencement of fishing in R.A. <sup>2</sup> or last “Catch” report, in pairs as needed.
species			FAO species code
live weight			Live weight in kilograms, rounded to the nearest 100 kilograms
Undersize	US	M <sup>1</sup>	Activity detail; undersize catch by species, either since commencement of fishing in R.A. <sup>2</sup> or last “Catch” report, in pairs as needed.
species			FAO species code
live weight			Live weight in kilograms, rounded to the nearest 100 kilograms
Log Book	LB	M	Activity detail; “Yes” or “No” <sup>3</sup>
Production	PR	M	Activity detail; code for the production. See Annex XX(c)
Hails	HA	M	Activity detail; observers verification if the reports made by the captain are correct, “Yes” or “No” <sup>4</sup>
Apparent Infringements	AF	M	Activity detail; “Yes” or “No” <sup>5</sup>
Observer Name	ON	M	Message detail; name of the observer signing the report
Date	DA	M	Message detail; date of transmission
Free Text	MS	O <sup>6</sup>	Activity detail; for further comments by the observer
Time	TI	M	Message detail; time of transmission
End of record	ER	M	System detail; indicates end of the record

1. Only to be transmitted if relevant
2. Meaning the first “Catch Report” in current fishing trip in the R.A.
3. “Yes” if the observer approves the Log Book entries by the captain
4. “Yes” if the observer approves the Hails transmitted by the captain
5. “Yes” if an infringement is observed
6. Mandatory if “LB” = “No”, or “HA” = “No”, or “AF” = “Yes”.
7. Directed species is the species which represents the greatest catch for that day

## Annex XX (b)

Data to be compiled by Executive Secretary and Forwarded to Inspection Parties

### Catch and Catch Rate Report (Weekly)

Vessel Type	Division	Species	Total Catch	Total Effort	Catch Rate
With observer –Masters					
With observer – observer					
Without observer					

### By-catch Report (Weekly)

Vessel Type	Division	Species	Total Catch	Total Overall Catch	By-Catch %
With observer –Masters					
With observer – observer					
Without observer					

### Discards Report (Weekly)

Vessel Type	Division	Species	Total catch	Total Discards	Discard %
With observer –Masters					
With observer – observer					
Without observer					

**Annex XX(c)**  
**Product Form Codes**

<b>Code</b>	<b>Product form</b>
A	Round – Frozen
B	Round – Frozen (Cooked)
C	Gutted Head on – Frozen
D	Gutted Head Off - Frozen
E	Gutted Head Off – Trimmed – Frozen
F	Skinless Fillets – Frozen
G	Skin on Fillets - Frozen
H	Salted Fish
I	Pickled Fish
J	Canned Products
K	Oil
L	Meal Produced from Round Fish
M	Meal Produced from Offal
N	Other (Specify)

## **Annex XXI**

### **Shrimp Toggle Chains**

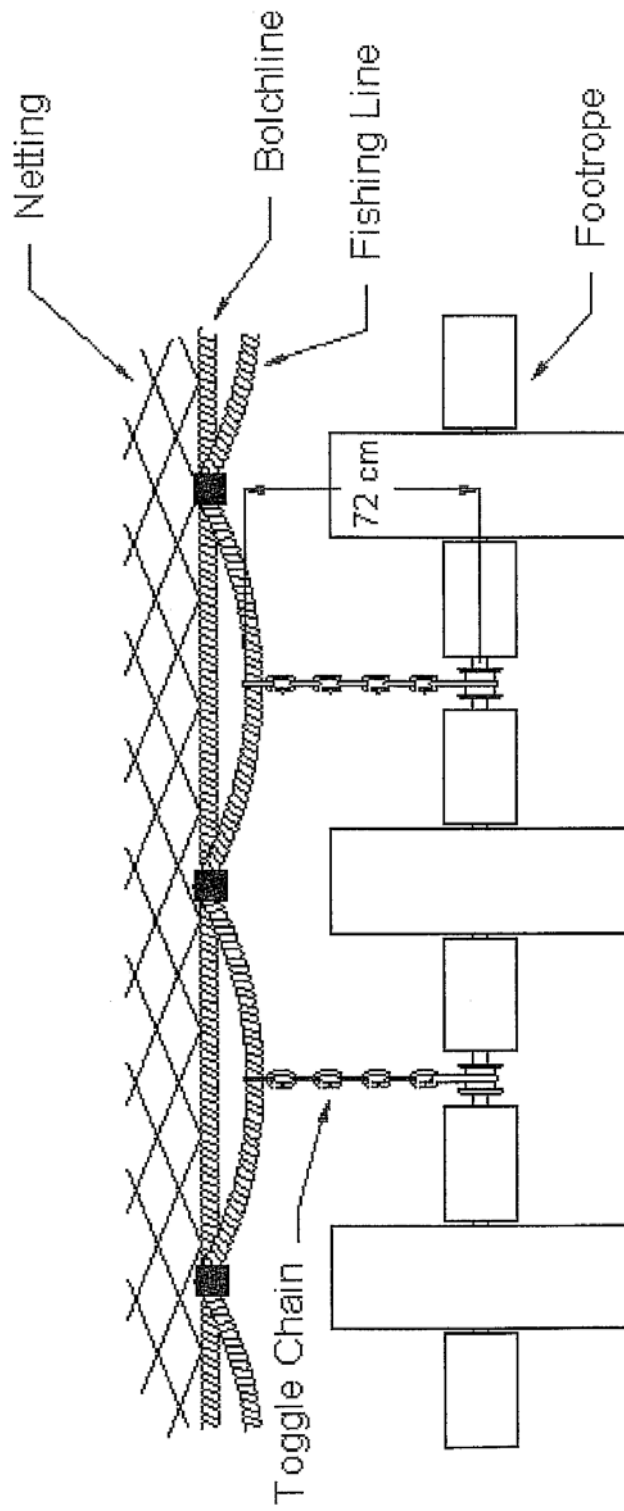
Toggle chains are chains, ropes, or a combination of both, which attach the footrope to the fishing line or bolchline at varying intervals.

The terms “fishing line” and “bolchline” are interchangeable. Some vessels use one line only; others use both a fishing line and a bolchline as shown in the sketch.

The toggle chain length should be measured from the center of the chain or wire running through the footrope (center of footrope) to the underside of the fishing line.

The attached sketch shows how to measure the toggle and chain length.





## **Annex XXII**

### **Data Exchange Format and Protocols**

#### **A. Data transmission format**

Each data transmission is structured as follows:

1. Data characters in accordance with ISO 8859.1
2. Each data transmission is structured as follows:
  - double slash (“//”) and the characters “SR” indicate the start of a message;
  - a double slash (“//”) and field code indicate the start of a data element;
  - a single slash (“/”) separates the field code and the data;
  - pairs of data are separated by space;
  - the characters “ER” and a double slash (“//”) at the end indicates the end of a record.

#### **B. Data exchange protocols**

Authorized data exchange protocols for electronic transmission of reports and messages between Contracting Parties and the Secretary shall be in accordance with Annex XIX, Rules on Confidentiality.

**C. Format for electronic exchange of fisheries monitoring information  
(The North Atlantic Format)**

Category	Data Element	Field code	Type	Contents	Definitions
<b>System</b>	Start Record	SR			Indicates start of the record
<b>Details</b>	End Record	ER			Indicates end of the record
	Return Status	RS	Char*3	Codes	ACK / NAK = Acknowledged / Not Acknowledged
	Return Error Number	RE	Num*3	001 – 999	Codes indicating errors as received at operation centre, see Annex XXII D2
<b>Message</b>	Address destination	AD	Char*3	ISO-3166 Address	Address of the party receiving the message, “XNW” for NAFO
<b>Details</b>	From	FR	Char*3	ISO-3166 Address	Address of the transmitting party, (Contracting Party)
	Type of Message	TM	Char*3	Code	Code for the message type as
	Sequence Number	SQ	Num*6	NNNNNN	Message serial number
	Record Number	RN	Num*6	NNNNNN	Serial number of the record in the relevant year
	Record Date	RD	Num*8	YYYYMMDD	Year, month and date
	Record Time	RT	Num*4	HHMM	Hours and minutes in UTC
	Date	DA	Num*8	YYYYMMDD	Year, month and date
	Time	TI	Num*4	HHMM	Hours and minutes in UTC
<b>Vessel</b>	Radio Call Sign	RC	Char*7	IRCS Code	International Radio Call Sign of the vessel
<b>Registration</b>	Vessel name	NA	Char*30		Name of the vessel
<b>Details</b>	Ext. registration	XR	Char*14		Side Number of the vessel
	Flag State	FS	Char*3	ISO-3166	State of registration
	Contracting Party internal ref. number	IR	Char*3 Num*9	ISO-3166 +max. 9N	Unique vessel number attributed by the flag State pursuant to registration
	Port Name	PO	Char*20		Port of registration of the vessel/homeport
	Vessel Owner	VO	Char*60		Name and address of the vessel owner
	Vessel Charterer	VC	Char*60		Name and address of the vessel charterer
<b>Vessel Character. Details</b>	Vessel capacity unit	VT	Char*2 Num*4	“OC”/“LC” Tonnage	According to: “OC” OSLO 1947 Convention /“LC” LONDON ICTM-69 Capacity of the vessel in metric tons
	Vessel Power unit	VP	Char*2 Num*5	0-99999	Indication of which measurement unit applies "HP" or "KW" Total main engine power
	Vessel Length	VL	Char*2 Num*3	“OA”/“PP” Length in meters	Unit “OA” length overall, “PP” length between perpendiculars Total length of the vessel in meters, rounded to the nearest whole meter
	Vessel Type	TP	Char*3	Code	As listed in Annex V.A.
	Fishing Gear	GE	Char*3	FAO Code	International Standard Statistical Classification of the Fishing Gear as Annex VI
	Limited Authorization	LU	Char*3	Yes or No	Yes or No to indicate whether a limited authorization is valid or not

Category	Data Element	Field code	Type	Contents	Definitions	
<b>Activity Details</b>	Latitude	LA	Char*5	NDDMM (WGS-84)	e.g. //LA/N6235 = 62°35' North	
	Longitude	LO	Char*6	E/WDDMM (WGS-84)	e.g. //LO/W02134 = 21°34' West	
	Latitude (decimal)	LT	Char*7	+/-DD.ddd	Value negative if latitude is in the southern hemisphere <sup>1</sup> (WGS84)	
	Longitude (decimal)	LG	Char*8	+/-DDD.ddd	Value negative if longitude is in the western hemisphere <sup>1</sup> (WGS84)	
	Trip Number	TN	Num*3	001-999	Number of the fishing trip in current year	
	Catch	Species	CA	Char*3	FAO species code	The cumulative catch retained on board by species, in kilogram live weight rounded to the nearest 100 Kg since the vessel entered the R.A. or since the last CAX report if such a report is sent, in pairs as needed.
		Quantity		Num*7	0-9999999	
	Quantity onboard	Species	OB	Char*3	FAO species Codes	Quantity onboard the vessel by species in kilograms live weight rounded to the nearest 100 Kg, in pairs as needed
		Quantity		Num*7	0-9999999	
	Transferred species	Species	KG	Char*3	FAO species Codes	Information concerning the quantities transferred between vessels by species in kilograms live weight rounded to the nearest 100 Kg, whilst operating in the R.A.
Quantity		Num*7		0-9999999		
Relevant Area		RA	Char*6	ICES/NAFO Codes	Code for the relevant fishing area	
Directed Species		DS	Char*3	FAO species codes	Code for the species the vessel is targeting. Allow for several species, separated by a space. E.g. //DS/species species species//	
Transhipped From		TF	Char*7	IRCS Code	International Radio Call Sign of the donor vessel	
Transhipped To		TT	Char*7	IRCS Code	International Radio Call Sign of the receiving vessel	
Master Name		MA	Char*30		Name of the vessels master	
Coastal State		CS	Char*3	ISO-3166 3 Alpha Code	Coastal State of Port of Landing	
Predicted Date		PD	Num*8	YYYYMMDD	Estimated date UTC when the master intends to be in port	
Predicted Time		PT	Num*4	HHMM	Estimated time UTC when the master intends to be in port	
Port Name		PO	Char*20		Name of the actual port of landing	
<b>Pilot Project</b>	Apparent Infringement	AF	Char*1	Y or N	For onboard observer to report his observations	
	Discard	RJ	Char*3	FAO Species Code	Detailed information regarding discard in kilograms live weight, in pairs as needed.	
			Num*7	0 - 9999999		
	Undersize	US	Char*3	FAO Species Code	Detailed information regarding undersize catch in kilograms live weight, in pairs as needed.	
			Num*7	0 - 9999999		
	Daily Catch	CA	Char*3	FAO species code	The cumulative catch retained on board by species, in kilogram live weight rounded to the nearest 100 Kg since the vessel entered the R.A. or since the last CAX report if such a report has been sent, in pairs as needed.	
			Num*7	0-9999999		
	Mesh Size	ME	Num*3	0 – 999	Average mesh size in millimetres	
Production	PR	Char*3	Code	Code for the production Annex XX(c)		
Log Book	LB	Char*1	Y or N	For onboard observer to approve the entries in the vessels log book		

	Hails	HA	Char*1	Y or N	For onboard observer to approve the hails sent from the vessel
	Observer Name	ON	Char*30	Text	Name of the onboard observer
	Free Text	MS	Char*255	Text	Activity detail; for further comments by observer

<sup>1</sup> The plus sign (+) does not need to be transmitted; leading zeros can be omitted.

**D. 1) Structure of reports and messages as laid down in Annex IX and Annex X when forwarded by Contracting Parties to the Secretary.**

Where appropriate, each Contracting Party shall retransmit to the Secretary reports and messages received from its vessels in accordance with Articles 22 and 23; subject to the following amendments:

- the address (AD) shall be replaced by the address of the Secretary (XNW)
- the data elements “record date” (RD), “record time” (RT), “record number” (RN) and “from” (FR) shall be inserted.

**D. 2) Return messages.**

If a Contracting Party so requests, the Secretary shall send a return message every time an electronic transmission of a report or message is received.

**A) Return message format:**

Data Element	Field Code	Mandatory/Optional	Remarks
Start Record	SR	M	System detail; indicates start of record
Address	AD	M	Message detail; destination, Contracting Party sending the report
From	FR	M	Message detail; XNW is NAFO (who is sending the return message)
Type of message	TM	M	Message detail; message type RET for return message
Radio call sign	RC	O	Reporting detail; international radio call sign of the vessel, copied from the report which is received.
Sequence number	SQ	O	Reporting detail; serial number of the report from the vessel in the relevant year, copied from the report which is received.
Return Status	RS	M	Reporting detail; code showing whether the message is acknowledged or not (ACK or NAK)
Return error number	RE	O	Reporting detail; number showing the type of error. See table B) for return error numbers.
Record number	RN	M	Reporting detail; record number of the message which is received
Date	DA	M	Message detail; date of transmission
Time	TI	M	Message detail; time of transmission
End of Record	ER	M	System detail; indicates end of the record

**B) Return error numbers**

Subject/Article:	Errors		Error Cause	
	Follow up action required	Accepted		
Communication	101		Message is unreadable	
	102		Data value or size out of range	
	104		Mandatory data missing	
	106		Unauthorized data source	
			150	Sequence error
			151	Date / Time in the future
Article 16		250	Attempt to re-Notify a vessel	
		251	Vessel is not Notified	
Article 23	302		Transshipment prior to Catch on Entry	
	303		Catch on Exit prior to Catch on Entry	
	304		No position received (TRA, COX)	
			350	Position without Catch on Entry

**E. Types of reports and messages**

Annex	Provisions	Code	Message / Report	Remarks
IV. A	Article 16	NOT	Notification	Notification of authorized fishing vessels
IX	Article 22(1)	ENT	Entry	VMS messages
	Article 22 (5)	POS EXI MAN	Position Exit Manual position	
X	Article 23 (1a)	COE	Catch on Entry	Report transmitted by fishing vessels, prior to entering the R.A.
	Article 23 (1c)	TRA	Transshipment	Report on quantities on-loaded or off-loaded in the R.A.,
	Article 23 (1c)	POR	Port of Landing	Report on catch onboard and weight to be landed
	Article 23 (1b)	COX	Catch on Exit	Report transmitted by fishing vessels, prior to leaving the R.A.
XXII.D	Article 22 (1) Article 23 (2)	RET	Return	Automatic electronic message pursuant to reception of records
XX (a)(1)	Article 54 (6)	CAX	Catch	Daily Catch report
XX(a)(2)	Article 54 (6)	OBR	Observer	Daily Observer report