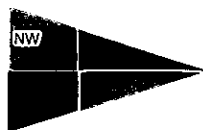


Northwest Atlantic Fisheries Organization



Conservation and Enforcement Measures



Supplement of FC Doc. 00/1

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Introduction

This publication of the NAFO Conservation and Enforcement Measures supplements the basic FC Doc. 00/1 and compiles all new/amended measures adopted by the Fisheries Commission during the 22nd Annual Meeting, in Boston, Massachusetts, USA, September 2000 (Fisheries Commission Annual Meeting Report and GF/00-571, 27 Sep 00). The following measures were incorporated:

- Part I.A - Incidental Catch Limits - new paragraph 5.(f)
- Part I.B - Chartering Arrangements
- Part I.F - 3L Cod - year amended to 2001
- Part I.G - 3M Shrimp - year and conditions amended
- Part I.H - 3LNO Shrimp - To refer to "Divisions 3NO shrimp", only
- Part I.I - 3L Witch - year amended to 2001
- Part III.E - Annex I- Formats for the Electronic Transmission of NAFO Hails from Contracting Parties to the NAFO Secretariat
Annex 2 - VMS Position Report Format
- Part V - Schedule I - Quota Table, 2001
- Part VI - Program for Observers and Satellite Tracking
 - A. Observers - impartiality of observers
 - B. Satellite Tracking/Vessel Monitoring System "VMS"
- Part VII - Port Inspections

Special Note: The basic document of the NAFO Conservation and Enforcement Measures during 2001 will be FC Doc. 00/1, supplemented and amended by the measures as listed above.

The Convention Area to which the Convention on Future Multilateral Cooperation in the Northwest Atlantic applies

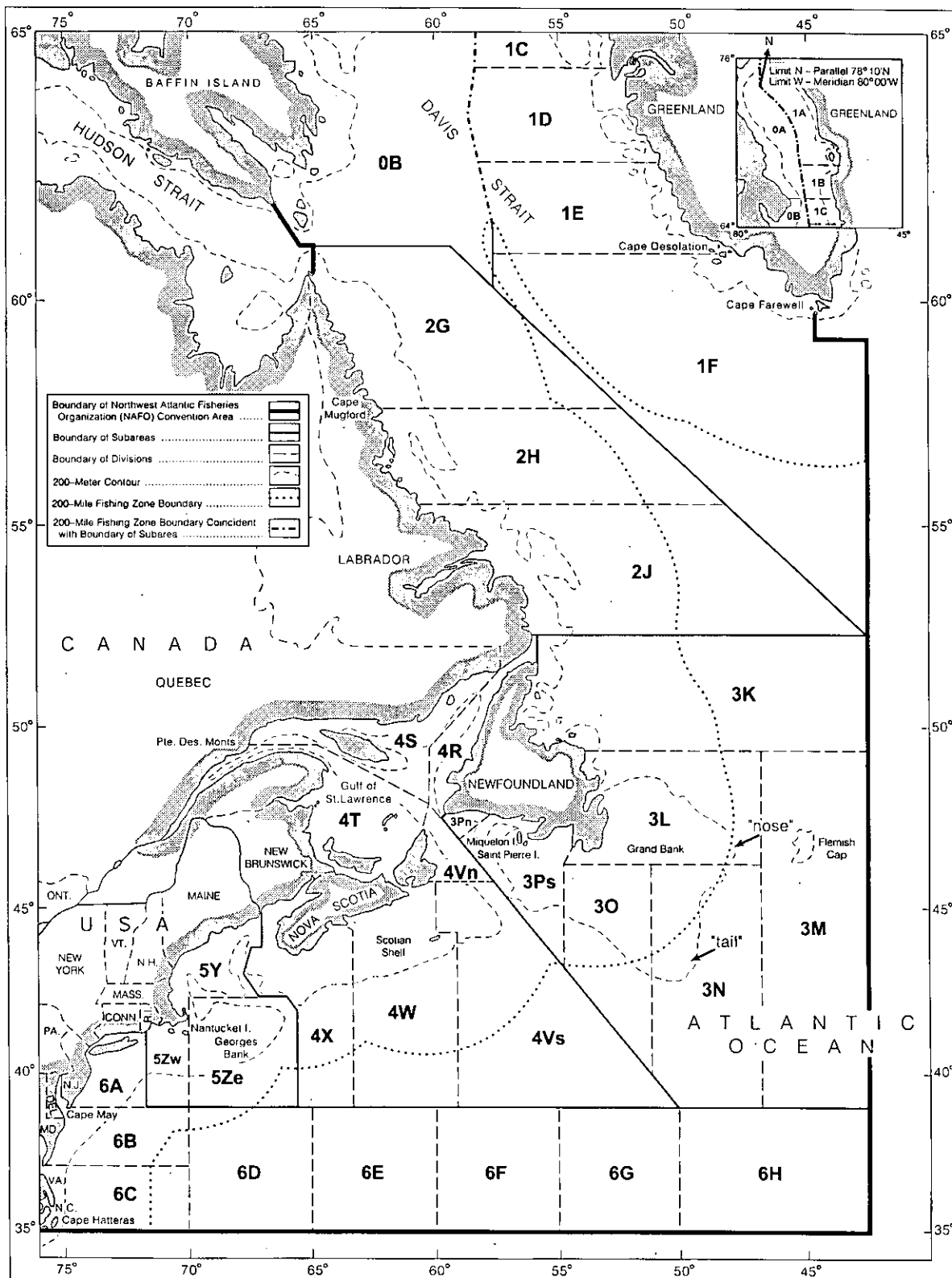


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PART I - MANAGEMENT

A. 5. Incidental Catch Limits

- (a) Masters shall not conduct directed fisheries for species for which incidental catch limits apply.
- (b) Vessels of a Contracting Party shall limit their incidental catch to a maximum of 2,500 kg or 10%, whichever is the greater, for each species listed in Schedule I for which no quota has been allocated in that division to that Contracting Party.
- (c) In cases where a ban on fishing is in force or an "Others" quota has been fully utilized, incidental catches of the species concerned may not exceed 1,250 kg or 5%, whichever is the greater.
- (d) The percentages above are calculated as the percentage, by weight, for each species, of the total catch excluding the catch of species subject to incidental catch limits and are based on the catch taken by stock area.
- (e) Catches of shrimp shall not be used in the calculation of by-catch level of groundfish species.
- (f) To avoid excessive incidental catch the following fishing strategy shall be implemented;
 - (i) If the amount of incidental catch of any one species listed in Schedule I for which no quota has been allocated in that division to that Contracting Party, in any one haul exceeds 10% of the total catch of the other species in that haul, the vessel shall immediately change fishing area to reduce the incidental catch. The vessel must move a minimum 5 nautical miles from any position of the previous haul.
 - (ii) In cases where a ban on fishing is in force for any particular species or an "Others" quota for any species has been fully utilized, and the amount of incidental catch of this species in any one haul exceeds 5% of the total catch of other species in that haul, the vessel shall immediately change fishing area to reduce the incidental catch. The vessel must move a minimum 5 nautical miles from any position of the previous haul.
 - (iii) If any future haul exceeds the permitted incidental catch limit outlined in (i) or (ii) above, whichever is applicable, the vessel shall again immediately change fishing area to reduce the incidental catch. The vessel must move a minimum 5 nautical miles from any position of the previous hauls and shall not return to the area for at least 48 hours.

B. Chartering Arrangements

1. Each Contracting Party may utilize partly or wholly quota and shrimp fishing days allocated to that Party under Schedule I and Part I.G by way of charter arrangement with a fishing vessel flying the flag of another Contracting Party notified in accordance with Part III.D, subject to:
 - the consent of the flag Contracting Party;
 - a favourable proposal adopted through a mail vote in accordance with Article XI.2 of the Convention.
2. Contracting Parties shall limit such charter arrangements to one fishing vessel per year and for a limited duration not exceeding 6 months.
3. Contracting Parties intending to have recourse to such charter arrangements shall together with a request for a mail vote notify the following information to the NAFO Executive Secretary:
 - the name and registration of the chartered vessel and the relevant flag Contracting Party
 - a copy of the charter

- the fishing possibilities concerned
 - the date as from which the vessel is authorized to commence fishing on these fishing possibilities
 - the duration of the charter
4. The relevant flag Contracting Party shall notify in writing its consent to the NAFO Executive Secretary.
 5. The NAFO Executive Secretary shall circulate the above information and the consent of the flag Contracting Party without delay to Contracting Parties.
 6. The relevant flag Contracting Party is responsible for ensuring that the vessel complies with the requirements of the NAFO Conservation and Enforcement Measures. This does not nullify the obligations of the Contracting Party to which the quota and shrimp fishing days have been allocated under Part I of the Conservation and Enforcement Measures, as appropriate.
 7. All catches and incidental catches from such chartering arrangements shall be recorded by the relevant flag Contracting Party separate from other national catch data recorded according to Part I.D., and shall be reported to the Contracting Party to which the fishing possibilities have been allocated and to the Executive Secretary separate from other national catch data according to Part I.D. The Executive Secretary shall add these catches to the catch statistics of the Contracting Party to which the fishing possibilities have originally been allocated.
 8. As a pilot project, these provisions shall apply only to the year 2001.

F. Other Measures - No Directed Fishery for Cod in Div. 3L in the Regulatory Area

Noting differences that have been expressed on the subject of 2J3KL cod by Contracting Parties,

Noting the need to avoid prejudice to the legal position of any Contracting Party on this subject,

Noting the provisions of Article XI(3) of the NAFO Convention, which aim at ensuring consistency between the measures established for the Regulatory Area and the measures adopted by the relevant coastal State;

Noting that the advice from the Scientific Council strongly suggests a continuation of the moratorium for the entire stock;

Directed fisheries for cod in Division 3L in the Regulatory Area shall not be permitted in 2001.

Contracting Parties other than Canada expressed their serious concern that management measures for this stock may not be consistent throughout its range in the Convention Area in the year 2001.

G. Other Measures - Management Measures for Shrimp in Div. 3M

1. Vessels fishing for shrimps in Division 3M in 2001 shall use nets with a minimum mesh size of 40 mm.
2. Vessels fishing for shrimp in Division 3M in 2001 shall use sorting grids or grates maximum spacing between the bars of 22 mm.
3. In the event that total by-catches of all regulated groundfish species in any haul exceed 5 percent by weight, vessel shall immediately change fishing area (minimum of 5 nautical miles) in order to seek to avoid further by-catches of regulated groundfish.

4. a) Each Contracting Party shall limit in 2001 the number of vessels fishing for shrimp in Div. 3M to the number that have participated in this fishery in the period from 1 January 1993 to 31 August 1995.
- b) Each Contracting Party shall, in 2001, limit the number of fishing days by its vessels fishing for shrimp in Div. 3M to 90% of the maximum number of fishing days observed for their vessels in one of the years 1993, 1994 or 1995 (until 31 August 1995). However, for Contracting Parties with a track record in the period from 1 January 1993 to 31 August 1995, a minimum level of 400 fishing days is permitted.
- c) Contracting Parties with no track record in the shrimp fishery in the period from 1 January 1993 to 31 August 1995 may, in 2001, fish for shrimp with one vessel in 100 fishing days.
- d) Each Contracting Party shall communicate the number of fishing days to the Executive Secretary before 1 November 2000, that are available to that Contracting Party for 2001. The number of days shall be counted from the hail reports of vessels fishing for shrimp in Div. 3M and shall include the days of entry and exit from the Regulatory Area. In the case where vessels fishing for shrimp and other species on the same trip the number of days shall be counted from the day the vessel entered the shrimp fishery to the day the vessel ceased that fishery.

The Executive Secretary shall scrutinize the communications from the Contracting Parties, work with the relevant Contracting Parties if discrepancies are revealed, and by 1 December 2000 notify the number of vessels and fishing days applicable to all Contracting Parties.

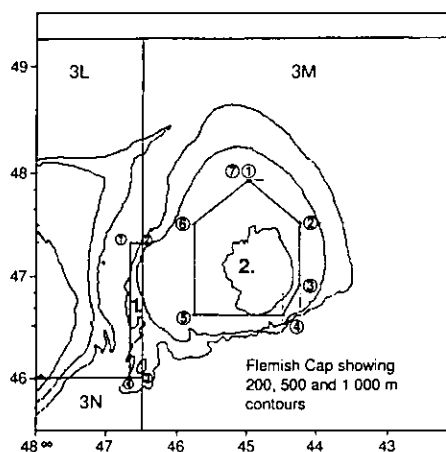
- e) Vessels fishing for 3M shrimp may fish this stock in 2001 in Division 3M and in the area defined by the coordinates in footnote 1¹. However, in the period from June 1, 2001 (00.01 GMT) to September 30, 2001 (24.00 GMT), fishing for shrimp in the area defined by the coordinates in footnote 2² is prohibited.
- f) Each Contracting Party shall, within 30 days following the calendar month in which the catches were made, report provisional monthly fishing days in Div. 3M and the area defined in footnote 1 to the Executive Secretary. The Executive Secretary shall, within 10 days following the monthly deadlines for receipt of the provisional fishing days statistics, collate the information received and circulate it to Contracting Parties.
- g) For vessels conducting trans-zonal fishery for shrimps between Div. 3M and the area defined in footnote 1, the same regulations as in NAFO Conservation and Enforcement Measures, Part III – Annex I – Hail System Message Format, no. 1.3., shall apply.
- h) Each Contracting Party shall in 2001 closely monitor its vessels fishing for shrimp and close the fishery when the number of fishing days available to that Party is exhausted. The number of fishing days shall be counted from the hail reports of vessel fishing for shrimp and shall include the days of entry or moves into Div. 3M and the area defined in footnote 1 and the days of moves or exit from Div. 3M and the area defined in footnote 1.
- i) In the case where a vessel is fishing for shrimp and other species on the same trip, the change of fishery shall be hailed and the number of fishing days counted accordingly.
- j) Fishing days of a Contracting Party may only be utilized by a vessel flying the flag of another Contracting Party under the conditions provided in I.B (chartering arrangements).
- k) Fishing days are not transferable between Contracting Parties.
- l) *This management plan for 2001 will be reviewed at the Special Meeting of the Fisheries Commission on Shrimp in light of the most recent advice from the Scientific Council and the outcome of the Special Meeting.*

1

Point No.	Latitude	Longitude
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(see the map below)

Point No.	Latitude	Longitude
1 (same as no. 7)	47°55'0	45°00'0
2	47°30'0	44°15'0
3	46°55'0	44°15'0
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



Objections recorded by the NAFO Secretariat (under Article XII of the NAFO Convention):

- *Iceland is not bound by provisions I.G.4 (a-d,f,h-i) pursuant to its objection (GF/00-652 of 24 Oct 00)*

H. Other Measures - Management Measures for Shrimp in Div. 3NO

All Contracting Parties shall ensure that their vessels shall not conduct a directed fishery for shrimp in Divisions 3NO in 2001.

I. Other Measures – No Directed Fishery for Witch flounder in Division 3L in the Regulatory Area

Noting the available scientific advice, and

Noting the current moratorium that is being applied by Canada to the directed fishing of this stock inside the Canadian 200 mile zone,

Directed fisheries for Witch in Division 3L in the Regulatory shall not be permitted in 2001.

PART III – ANNEX I – HAIL SYSTEM MESSAGE FORMATExample 1**Formats for the Electronic Transmission of NAFO Hails
from Contracting Parties to the NAFO Secretariat**

EXPLANATORY NOTES

- a) The formats herein conform with the requirements for the NAFO Hails System as set out in FC Document 00/1, the NAFO Conservation and Enforcement Measures Part III and Part III Annex I Hail System Message Format.
- b) The formats consist of variable length delimited records, and are based on systems currently in use in NEAFC.
- c) The variable length record is preferred over a fixed length record as some Contracting Parties collect more information from their vessels than is required by NAFO, and are forwarding the entire record to NAFO. The format is conducive to extraction of the required data fields by the receiving parties.
- d) The following convention is used in this paper: //FIELD NAME/field value//, where the field name is shown in uppercase, followed by the character "/", followed by the field value in lowercase. Fields are separated by "//".
- e) Each record begins with the string //SR// to indicate the Start of the Record.
- f) Each record ends with the string //ER// to indicate the End of the Record.
- g) Character fields (CHAR) shall conform with the ISO 8859.1 character set standard.
- h) Country codes used for addressee (AD) and sender (FR) shall conform with the ISO 3166 (1993) standard. E/F 7.3 states that user-assigned country codes shall start with the character "X", therefore it is proposed that the code XNW be used to designate the NAFO Secretariat, the addressee for hail messages.

NAFO HAILS SYSTEM - Part III Annex I Hail System Message Format

1.1 ENTRY HAIL

//SR

//FR/Name of transmitting party//AD/Destination "XNW" for NAFO

//SQ/sequence number

//NA/name of vessel

//RC/International radio call sign

//XR/external identification letters and numbers

//DA/date of transmission//TI/time of transmission//LA/latitude at time of transmission//LO/longitude at time of transmission//TM/indication of type of message "ENT"

//DI/NAFO Division into which the vessel is about to enter.

//OB/total round weight of fish by species (3 alpha codes) on board upon entry into the Regulatory Area, in kilograms rounded to the nearest 100 kilograms. Allow several pairs of fields, consisting of species + weight, with each field separated by a space. e.g. //OB/species weight species weight species weight//

//MA/name of the Master

//IS/target speciesAllow several species to be entered, with the values separated by spaces,
e.g. //IS/species species species//

//ER//

Example 1
(continued)

NAFO HAILS SYSTEM - Part III Annex I Hail System Message Format

1.2 MOVE HAIL

//SR

//FR/Name of transmitting party

//AD/Destination "XNW" for NAFO

//SQ/sequence number

//NA/name of vessel

//RC/International radio call sign

//XR/external identification letters and numbers

//DA/date of transmission

//TI/time of transmission

//LA/latitude at time of transmission

//LO/longitude at time of transmission

//TM/indication of type of message "MOV"

//DI/NAFO Division into which the vessel is about to enter.

//MA/name of the Master

//IS/target species

Allow several species to be entered, with the values separated by spaces,
e.g. //IS/species species species//

//ER//

NAFO HAILS SYSTEM - Part III Annex I Hail System Message Format

1.3 TRANSZONAL HAIL (between NAFO Divisions)

//SR

//FR/Name of transmitting party//AD/Destination "XNW" for NAFO//SQ/sequence number//NA/name of vessel//RC/International radio call sign//XR/external identification letters and numbers//DA/date of transmission//TI/time of transmission//LA/latitude at time of transmission//LO/longitude at time of transmission//TM/indication of type of message "ZON"//MA/name of the Master//IS/target species

Allow several species to be entered, with the values separated by spaces,
e.g. //IS/species species species//

//ER//

Example 1
(continued)

NAFO HAILS SYSTEM - Part III Annex I Hail System Message Format

1.4 EXIT HAIL

//SR

//FR/Name of transmitting party

//AD/Destination "XNW" for NAFO

//SQ/sequence number

//NA/name of vessel

//RC/International radio call sign

//XR/external identification letters and numbers

//DA/date of transmission

//TI/time of transmission

//LA/latitude at time of transmission

//LO/longitude at time of transmission

//TM/indication of type of message "EXI"

//DI/NAFO Division into which the vessel is about to enter.

//CA/catch in round weight taken in the Regulatory Area by species (3 alpha codes) in kilograms (rounded to the nearest 100 kilograms). Allow several pairs of fields, consisting of species + weight, with each field separated by a space. e.g. //CA/species weight species weight species weight//

//MA/name of the Master

//ER//

NAFO HAILS SYSTEM - Part III Annex I Hail System Message Format

1.5 TRANSHIPMENT HAIL

//SR

//FR/Name of transmitting party//AD/Destination "XNW" for NAFO

//SQ/sequence number

//NA/name of vessel

//RC/International radio call sign

//XR/external identification letters and numbers

//DA/date of transmission//TI/time of transmission//LA/latitude at time of transmission//LO/longitude at time of transmission//TM/indication of type of message "TRA"

//KG/total round weight by species (3 alpha codes) to be transhipped in kilograms (rounded to the nearest 100 kilograms). Allow several pairs of fields, consisting of species + weight, with each field separated by a space. e.g.

//KG/species weight species weight species weight//

//MA/name of the Master

//ER//

Definition of data elements

Data Element	Field Code	Type	Mandatory/Optional	Definition/Remarks
Start of Record	SR		M	Indicates start of the record
From	FR	Char*3	M	ISO-3166 Address. Address of the party receiving the message, "XNW" for NAFO
Addressee	AD	Char*4	M	ISO-3166 Address. Address of the transmitting Contracting Party
Sequence Number	SQ	Num*6	Q	Message serial number
Name	NA	Char*30	M	ISO 8859.1. Name of vessel
International radio call sign	RC	Char*7	M	IRCS Code. International Radio Call sign of the vessel
External identification	XR	Char*14	M	ISO 8859.1. Side number of the vessel
Date	DA	Num*8	M	YYYYMMDD. Year, month and day
Time	TI	Num*4	M	HHMM. Hours and minutes in UTC
Latitude	LA	Char*5	M	S/NDDMM (WGS-84) e.g. //LA/N4600 = 46°00' North
Longitude	LO	Char*6	M	E/WDDMM (WGS-84) e.g. //LO/W04631 = 46°31' West
Type of Message	TM	Char*3	M	Indication of type of message ENT/MOV/ZON/TRA/EXI
NAFO Division	DI	Char*2	M	NAFO Division
Name of Master	MA	Char*30	M	Name of the master of the fishing vessel
Quantity	OB	Char*3 Num*7	M	FAO Code. Total round weight of fish by species (3 alpha codes) on board upon entry into the Regulatory Area. in kilograms rounded to the nearest 100 kilograms. Allow several pairs of fields, consisting of species + weight, with each field separated by a space.
Catch	CA	Char*3 Num*7	M	FAO Code. Total catch in round weight taken in the Regulatory Area by species (3 alpha codes) in kilograms (rounded to the nearest 100 kilograms). Allow several pairs of fields, consisting of species + weight, with each field separated by a space.
Transhipped	KG	Char*3 Num*7	M	FAO Code. Total round weight by species (3 alpha codes) to be transhipped in kilograms (rounded to the nearest 100 kilograms). Allow several pairs of fields, consisting of species + weight, with each field separated by a space
Target Species	TS	Char*3	M	FAO Code: allowance for multiple main species
End Record	ER		M	End of record

PART III – ANNEX II – VMS REPORT FORMAT

Data Element:	Code:	Mandatory / Optional	Remarks:
Start record	SR	M	System detail; indicates start of record
From	FR	M	Address of the transmitting party (Contracting Party)
Address	AD	M	Message detail; destination; "XNW" for NAFO Secretariat
Sequence Number	SQ	O	Message detail; message serial number in current year
Type of Message	TM	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	M	Vessel registration detail; name of the vessel
External Registration Number	XR	M	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
Date	DA	M	Message detail; date of transmission
Time	TI	M	Message detail; time of transmission
Record Date	RD	M	Year, month and date
Record Time	RT	M	Hours and minutes in UTC
Record Number	RN	M	Serial number of the record in the relevant year
End of record	ER	M	System detail; indicates end of the record

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 ("/") indicate the end of a record."

PART V - SCHEDULE I - APPENDIX II

QUOTA TABLE. Total allowable catches (TACs) and quotas (metric tons) for 2001 of particular stocks in Subareas 3 and 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.

Contracting Party	Cod		Redfish		American plaice		Yellowtail	Witch	Capelin	G. halibut		Squid (Illex) ^{2,3}	Shrimp
	Div. 3M	Div. 3NO*	Div. 3M	Div. 3LN*	Div. 3M*	Div. 3LNO*				Div. 3LMNO	Subareas 3+4		
1. Canada	0	0	500	0	0	0	12675 ⁷	0	0	4 446	N.S. ⁴	5 000	
2. Cuba	0	-	1750	0	-	-	-	-	0	-	510	67	
3. Denmark (Faroe Islands and Greenland)	0	-	69	-	-	-	-	-	-	-	-	67	
4. European Union	0	0	3100	0	0	0	260 ⁷	-	0	16 406	N.S. ⁴	67	
5. France (St. Pierre et Miquelon)	-	-	69	-	-	-	-	-	-	-	453	67	
6. Iceland	-	-	-	-	-	-	-	-	-	-	-	67	
7. Japan	-	-	400	-	-	-	-	-	0	3 038	510	67	
8. Korea	-	-	69	-	-	-	-	-	-	-	453	67	
9. Norway	0	-	-	-	-	-	-	-	0	-	-	67	
10. Poland	0	-	-	-	-	-	-	-	0	-	227	67	
11. Estonia	-	-	-	-	-	-	-	-	0	-	-	67	
12. Latvia	0	0	13 850 ¹	0	0	0	-	0	0	-	1 133 ¹	67	
13. Lithuania	-	-	-	-	-	-	-	-	-	-	-	67	
14. Russia	-	-	-	-	-	-	-	-	-	3 779	-	67	
15. Ukraine	-	-	-	-	-	-	-	-	-	-	-	67	
16. United States of America	-	-	69	-	-	-	-	-	-	-	453	67	
17. Others	0	0	124	0	0	0	65 ⁷	0	-	1 971 ⁵	794	0	
Total Allowable Catch	*	*	5 000 ⁶	*	*	*	13 000 ⁶	*	*	29 640	34 000	6 000	

¹ Quotas to be fished by vessels from Estonia, Latvia, Lithuania and the Russian Federation. The provisions of Part I, Section A.3 of the NAFO Conservation and Enforcement Measures shall apply.

² The opening date for the Squid (Illex) fishery is 1 July.

³ 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.

⁴ Not specified because 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.

⁵ Of which no more than 40% (788 t) may be fished before 1 May 2001 and no more than 80% (1577 t) may be fished before 1 October 2001.

⁶ Each Contracting Party shall notify the Executive Secretary bi-weekly of catches taken by its vessels from this stock. Not more than 2500 tons may be fished before July 1, 2001. 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 percent of the TAC for that stock.

⁷ Contracting Parties shall inform the NAFO Executive Secretary before 1 December 2000 of the measures to be taken to meet the advice of the NAFO Scientific Council.

* The provisions of Part I, Section A.5c) of NAFO Conservation and Enforcement Measures shall apply.

* No directed fishing - The provisions of Part I, Section A.5a and c of NAFO Conservation and Enforcement Measures shall apply.

Objections recorded by the NAFO Secretariat:

- Latvia is not bound by provisions of items 11,12,13,14 re "block quota" and 17 (Greenland halibut "Others") pursuant to its objection (GF/00-708, 21 Nov 00).

- Russia is not bound by provisions of items 11,12,13,14 re "block quota" pursuant to its objection (GF/00-731, 07 Dec 00).

PART VI - PROGRAM FOR OBSERVERS AND SATELLITE TRACKING

In order to improve and maintain compliance with the Conservation and Enforcement Measures for their vessels fishing in the Regulatory Area, Contracting Parties agree to a program of 100 percent observer coverage and to require all vessels fishing in the Regulatory Area to be equipped with satellite tracking devices as soon as possible and not later than January 1, 2001. The elements of this program are subject to review and revision, as appropriate, for application in 2003 and subsequent years.

A. Observers

1. Each Contracting Party shall require all its vessels fishing in the Regulatory Area to accept observers on the basis of the following:
 - a) each Contracting Party shall have the primary responsibility to obtain, for placement on its vessels, independent and impartial observers. (Observers are not to perform duties, other than those described in Sections 3, 4 and 5 below.)
 - b) 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 a);
 - c) no vessel shall be required to carry more than one observer pursuant to this Program at any time.
2. Each Contracting Party shall provide to the Executive Secretary a list of the observers they will be placing on vessels in the Regulatory Area.
3. 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;
 - iv) verify entries made to the logbooks (species composition and quantities, round and processed weight and hail reports).
 - b) collect catch and effort data on a set-by-set basis. 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;
 - d) within 30 days following completion of an assignment on a vessel, 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 requests it. Copies of reports sent to other

Contracting Parties shall not include location of catch in latitude and longitude as required under 3 b), but will include daily totals of catch by species and division.

4. The observer shall monitor the functioning of, and report upon any interference with, the satellite 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 apparent infringement of the Conservation and Enforcement Measures is identified by an observer, the observer shall, within 24 hours, report it to a NAFO inspection vessel using an established code, which shall report it to the Executive Secretary.
6. Contracting Parties shall take all necessary measures to ensure that observers are able to carry out their duties. Subject to any other arrangements between the relevant Contracting Parties, the salary of an observer shall be covered by the sending Contracting Party.
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 cooperation 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.

B. Satellite Tracking/ Vessel Monitoring System "VMS"

1. Each Contracting Party shall ensure that each of its vessels operating in the Regulatory Area is equipped with a satellite tracking device allowing the continuous tracking of its position by the Contracting Party.

To that end the satellite tracking device shall ensure the automatic communication at least once every six hours when operating in the Regulatory Area to a land-based fisheries monitoring centre (hereafter referred to as FMC) of data relating to:

- the vessel identification;
- 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%;
- the date and time of the fixing of the said position of the vessel.

Each Contracting Party shall take the necessary measures to ensure that its FMC receives these data.

2. 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.
3. Each Contracting Party shall take the necessary measures to ensure that the VMS data received from its fishing vessels are recorded in computer readable form for a period of three years.
4. The masters of fishing vessels shall ensure that the satellite tracking devices are at all times fully operational and that the information in paragraph 1. is transmitted. In the event of a technical failure or non-operation of the satellite tracking 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 authorised to commence a fishing trip with a defective satellite tracking 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; the

fishing vessel shall not be authorised to continue or commence a fishing trip without the satellite tracking device having been repaired or replaced.

5. Each Contracting Party shall ensure that a fishing vessel with a defective satellite tracking device shall communicate, at least daily, reports containing the information in paragraph 1. to the FMC, by other means of communication (radio, facsimile or telex).
6. Each Contracting Party shall communicate reports and messages pursuant to paragraph 1. and paragraph 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, it shall ensure that each of its fishing vessels shall communicate reports (by satellite, radio, facsimile or telex) to the Executive Secretary.
7. Each Contracting Party shall ensure that the reports and messages transmitted between the Contracting Party and the Executive Secretary or if the Contracting Party so desires, between its fishing vessels and the Executive Secretary, shall be in accordance with the data exchange format set out in Annex II. (Part III "VMS position report format")
8. The Executive Secretary shall make available as soon as possible the information received under paragraph 7. to other Contracting Parties with an active inspection presence in the Regulatory Area. All reports and messages shall be treated in a confidential manner.
9. Each Contracting Party shall notify the name, address, telephone, telex and facsimile numbers as well as the addresses for electronic communication of their relevant authorities to the Executive Secretary before 1 July 2001 and thereafter any changes without delay.
10. Subject to any other arrangements between Contracting Parties, each Contracting Party shall pay all costs associated with this system."

Objections recorded by the NAFO Secretariat:

- *Iceland is not bound by this measure in accordance with its objection (GF/00-714, 27 Nov 00) regarding "observers in the shrimp fisheries Div. 3M and Div. 3L..."*.

PART VII - PORT INSPECTIONS

1.
 - (i) When, in the port of a Contracting Party, a port call is made by a vessel that has been engaged in fishing for stocks subject to these Measures, the Contracting Party whose port is being used 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 Contracting Party shall also ensure that the interference in the offloading activity is minimized and that the quality of the catch is not adversely affected.
 - (ii) 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 this Scheme.
 - (iii) Any information from inspections under Part IV of these Measures shall be verified.
 - (iv) Inspections shall include verification of mesh size of nets on board and size of fish retained on board.
 - (v) Results of port inspection shall include at least the information listed in Part VII – Schedule I -B.
 - (vi) The 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 from the date on which the inspection has been completed.
 - (vii) The copy of the results of the port inspection shall be transmitted to the NAFO Executive Secretary within 30 days as from the date on which the landing has been completed and shall be provided to other Contracting Party on request.”
 - (viii) Where possible, Contracting Parties should transmit the results of the port inspection as required in (v) to (vii) in the format defined in Part VII-Schedule I-Part A.
2. Contracting Parties shall, every two years, check each of their vessels, notified in accordance with Part III.D. of these Measures, 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 verification remains on board to be shown to a NAFO inspector if requested.

Part VII-Schedule I

A. "Port inspection report" form

"Port inspection report"

Page n°

Of

1. INSPECTION REFERENCE

Inspection authority

Date of the report

Port of inspection

*Vessel name*2. TRIP INFORMATION¹

Date trip started

Trip number²

Activity in the NAFO RA :

Date Entry in the RA

Date Exit from the RA

Other areas visited

Date trip ended

¹ 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.

² Where applicable

3. VESSEL IDENTIFICATION³

External Identification

International Radio Call Sign

Flag State

NAFO Contracting Party

Home port

Vessel owner

Vessel operator

Master name

4. RESULT OF INSPECTION OF DISCHARGE⁴

4.1 General information

Starting of discharge : Date Time

Ending of discharge : Date Time

Has vessel discharged all catches on board ? YES *If YES, fill in table 4.2*

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 (%)

³ To be filled in based on the license information.

⁴ To be filled in after completion of discharge

Comments	
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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	
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5. GEAR INSPECTION IN PORT ⁵

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 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

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	<i>Vessel registration detail; name of the vessel</i>

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

Data Element	M/O	Category ; Definition
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 INSPECTION¹

5.1 General information

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

¹ 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

5.2 Otter trawl details

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