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COMMISSION DELEGATED REGULATION (EU) 2020/124

of 15 October 2019

supplementing Regulation (EU) 2019/833 of the European Parliament and of the Council laying down conservation and enforcement measures applicable in the Regulatory Area of the Northwest Atlantic Fisheries Organisation

(OJ L 34I, 6.2.2020, p. 1)

Amended by:

		Official Journal		
		No	page	date
►**M1**	Commission Delegated Regulation (EU) 2020/989 of 27 April 2020	L 221	5	10.7.2020

▼B

COMMISSION DELEGATED REGULATION (EU) 2020/124

of 15 October 2019

supplementing Regulation (EU) 2019/833 of the European Parliament and of the Council laying down conservation and enforcement measures applicable in the Regulatory Area of the Northwest Atlantic Fisheries Organisation

Article 1

The provisions of the conservation and enforcement measures of the Northwest Atlantic Fisheries Organisation and the Annexes thereto, as referred to in the Annex to Regulation (EU) 2019/833, are set out in the Annex to this Regulation.

Article 2

This Regulation shall enter into force on the third day following that of its publication in the *Official Journal of the European Union*.

This Regulation shall be binding in its entirety and directly applicable in all Member States.

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ANNEX

1. TABLE 4 OF THE NAFO CONSERVATION AND ENFORCEMENT MEASURES ('CEM'), AS REFERRED TO IN ARTICLE 3(17) AND ARTICLE 17 OF REGULATION (EU) 2019/833

Boundary Points Delineating the Eastern Side of the Footprint

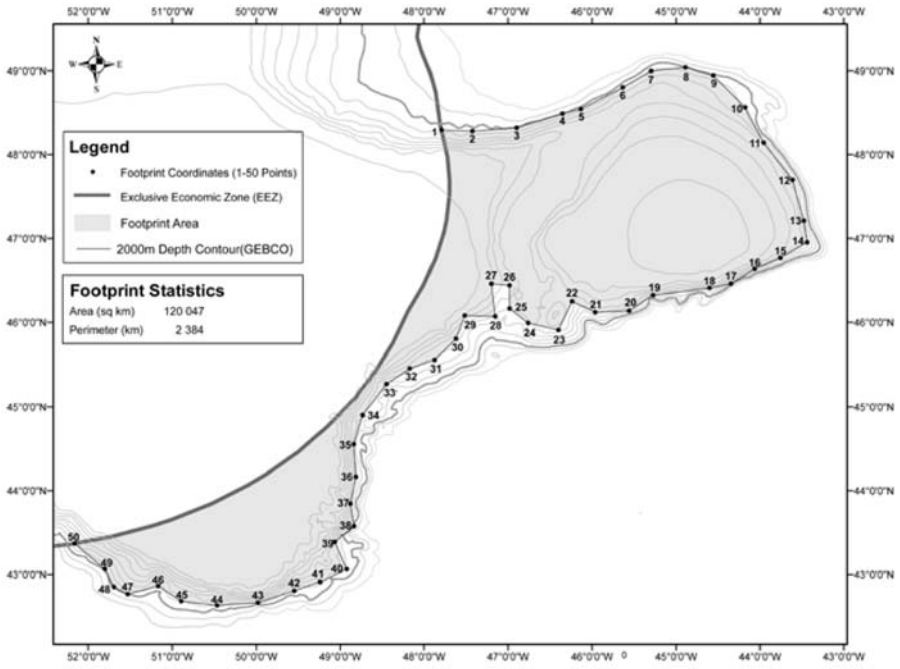
Coordinate No	Latitude	Longitude	Coordinate No	Latitude	Longitude
1	48°17'39"N	EEZ boundary (1)	26	46°26'32"N	46°58'53"W
2	48°16'51"N	47°25'37"W	27	46°27'40"N	47°12'01"W
3	48°19'15"N	46°53'48"W	28	46°04'15"N	47°09'10"W
4	48°29'21"N	46°21'17"W	29	46°04'53"N	47°31'01"W
5	48°32'43"N	46°08'04"W	30	45°48'17"N	47°37'16"W
6	48°48'10"N	45°37'59"W	31	45°33'14"N	47°52'41"W
7	48°59'54"N	45°17'46"W	32	45°27'14"N	48°10'15"W
8	49°02'20"N	44°53'17"W	33	45°16'17"N	48°26'50"W
9	48°56'46"N	44°33'18"W	34	44°54'01"N	48°43'58"W
10	48°33'53"N	44°10'25"W	35	44°33'10"N	48°50'25"W
11	48°08'29"N	43°57'28"W	36	44°09'57"N	48°48'49"W
12	47°42'00"N	43°36'44"W	37	43°50'44"N	48°52'49"W
13	47°12'44"N	43°28'36"W	38	43°34'34"N	48°50'12"W
14	46°57'14"N	43°26'15"W	39	43°23'13"N	49°03'57"W
15	46°46'02"N	43°45'27"W	40	43°03'48"N	48°55'23"W
16	46°38'10"N	44°03'37"W	41	42°54'42"N	49°14'26"W
17	46°27'43"N	44°20'38"W	42	42°48'18"N	49°32'51"W
18	46°24'41"N	44°36'01"W	43	42°39'49"N	49°58'46"W
19	46°19'28"N	45°16'34"W	44	42°37'54"N	50°28'04"W
20	46°08'16"N	45°33'27"W	45	42°40'57"N	50°53'36"W
21	46°07'13"N	45°57'44"W	46	42°51'48"N	51°10'09"W
22	46°15'06"N	46°14'21"W	47	42°45'59"N	51°31'58"W
23	45°54'33"N	46°24'03"W	48	42°51'06"N	51°41'50"W
24	45°59'36"N	46°45'33"W	49	43°03'56"N	51°48'21"W
25	46°09'58"N	46°58'53"W	50	43°22'12"N	EEZ boundary (2)

(1) Approximately 47°47'45"W.
(2) Approximately 52°09'46"W.

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2. FIGURE 2 OF THE CEM, AS REFERRED TO IN ARTICLE 3(17) AND ARTICLE 17 OF REGULATION (EU) 2019/833

NAFO Regulatory Area footprint map (shaded)



Legend:

— Footprint Coordinates (1-50 Points)

— Exclusive Economic Zone (EEZ)

— Footprint Area

— 2 000 m Depth Contour (GEBCO)

Footprint Statistics:

— Area (sq km) 120 047

— Perimeter (km) 2 384

▼M1

3. PART VI OF ANNEX I.E TO THE CEM AS REFERRED TO IN POINT 21 OF ARTICLE 3, IN ARTICLE 21(2) AND IN POINT (I) OF POINT (A) OF ARTICLE 27(11) OF REGULATION (EU) 2019/833

List of VME Indicator Species

Common Name and FAO ASFIS 3- ALPHA CODE	Taxon	Family	FAO ASFIS 3-ALPHA CODE
	Asconema foliatum	Rossellidae	ZBA
	Aphrocallistes beatrix	Aphrocallistidae	
	Asbestopluma (Asbesto-pluma) ruetzleri	Cladorhizidae	ZAB (Asbestopluma)
	Axinella sp.	Axinellidae	
	Chondrocladia grandis	Cladorhizidae	ZHD (Chondrocladia)
	Cladorhiza abyssicola	Cladorhizidae	ZCH (Cladorhiza)
	Cladorhiza kenchingtonae	Cladorhizidae	ZCH (Cladorhiza)
	Craniella spp.	Tetillidae	ZCS (Craniella spp.)
	Dictyaulus romani	Euplectellidae	ZDY (Dictyaulus)
	Esperiopsis villosa	Esperiopsidae	ZEW
	Forcepia spp.	Coelosphaeridae	ZFR
	Geodia barrette	Geodiidae	
	Geodia macandrewii	Geodiidae	
	Geodia parva	Geodiidae	
Large-Sized Sponges (PFR – Porifera)	*Geodia phlegraei*	Geodiidae	
	Haliclona sp.	Chalinidae	ZHL
	Iophon piceum	Acarnidae	WJP
	Isodictya palmata	Isodictyidae	
	Lissodendoryx (Lissoden-doryx) complicata	Coelosphaeridae	ZDD
	Mycale (Mycale) lingua	Mycalidae	
	Mycale (Mycale) loveni	Mycalidae	
	Phakellia sp.	Axinellidae	
	Polymastia spp.	Polymastiidae	ZPY
	Stelletta normani	Ancorinidae	WSX (Stelletta)
	Stelletta tuberosa	Ancorinidae	WSX (Stelletta)
	Stryphnus fortis	Ancorinidae	WPH
	Thenea muricata	Pachastrellidae	ZTH (Thenea)
	Thenea valdiviae	Pachastrellidae	ZTH (Thenea)
	Weberella bursa	Polymastiidae	

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Stony Corals (CSS – Scleractinia)	*Enallopsammia rostrata**	Dendrophylliidae	FEY
	*Lophelia pertusa**	Caryophylliidae	LWS
	*Madrepora oculata**	Oculinidae	MVI
	*Solenosmilia variabilis**	Caryophylliidae	RZT
Small Gorgonians (GGW)	*Acanella arbuscula*	Isididae	KQL (Acanella)
	Anthothela grandiflora	Anthothelidae	WAG
	Chrysogorgia sp.	Chrysogorgiidae	FHX
	*Metallogorgia melanotrichos**	Chrysogorgiidae	
	Narella laxa	Primnoidae	
	Radicipes gracilis	Chrysogorgiidae	CZN
	Swiftia sp.	Plexauridae	
Large Gorgonians (GGW)	*Acanthogorgia armata*	Acanthogorgiidae	AZC
	Calyptrophora sp.*	Primnoidae	
	Corallium bathyrubrum	Coralliidae	COR (Corallium)
	Corallium bayeri	Coralliidae	COR (Corallium)
	Iridogorgia sp.*	Chrysogorgiidae	
	Keratoisis cf. *siemensii*	Isididae	
	Keratoisis grayi	Isididae	
	Lepidisis sp.*	Isididae	QFX (Lepidisis)
	Paragorgia arborea	Paragorgiidae	BFU
	Paragorgia johnsoni	Paragorgiidae	BFV
	Paramuricea grandis	Plexauridae	PZL (Paramuricea)
	Paramuricea placomus	Plexauridae	PZL (Paramuricea)
	Paramuricea spp.	Plexauridae	PZL (Paramuricea)
	Parastenella atlantica	Primnoidae	
	Placogorgia sp.	Plexauridae	
	Placogorgia terceira	Plexauridae	
	Primnoa resedaeformis	Primnoidae	QOE
	*Thouarella (Euthouarella) grasshoffi**	Primnoidae	

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Sea Pens (NTW – Pennatulacea)	*Anthoptilum grandiflorum*	Anthoptilidae	AJG (Anthoptilum)
	Distichoptilum gracile	Protoptilidae	WDG
	Funiculina quadrangularis	Funiculinidae	FQJ
	Halipteris cf. *christii*	Halipteridae	ZHX (Halipteris)
	Halipteris finmarchica	Halipteridae	HFM
	Halipteris sp.	Halipteridae	ZHX (Halipteris)
	Kophobelemnon stelliferum	Kophobelemnidae	KVF
	Pennatula aculeata	Pennatulidae	QAC
	Pennatula grandis	Pennatulidae	
	Pennatula sp.	Pennatulidae	
	Protoptilum carpenteri	Protoptilidae	
	Umbellula lindahli	Umbellulidae	
	Virgularia mirabilis	Virgulariidae	
Tube-Dwelling Anemones	*Pachycerianthus borealis*	Cerianthidae	WQB
Erect Bryozoans (BZN – Bryozoa)	*Eucratea loricata*	Eucrateidae	WEL
Sea Lilies (CWD – Crinoidea)	*Conocrinus lofotensis*	Bourgueticrinidae	WCF
	Gephyrocrinus grimaldii	Hyocrinidae	
	Trichometra cubensis	Antedonidae	
Sea Squirts (SSX – Ascidiacea)	*Boltenia ovifera*	Pyuridae	WBO
	Halocynthia aurantium	Pyuridae	
Unlikely to be observed in trawls; *in situ* observations only:			
Large xenophyophores	*Syringammina* sp.	Syringamminidae	

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4. PART VII OF ANNEX I.E TO THE CEM, AS REFERRED TO IN ARTICLE 3(29) OF REGULATION (EU) 2019/833

List of Physical VME Indicator Elements

Physical VME indicator elements	
Seamounts	Fogo Seamounts (Div. 3O, 4Vs) Newfoundland Seamounts (Div. 3MN) Corner Rise Seamounts (Div. 6GH) New England Seamounts (Div. 6EF)
Canyons	Shelf-indenting canyon; Tail of the Grand Bank (Div. 3N) Canyons with head > 400 m depth; South of Flemish Cap and Tail of the Grand Bank (Div. 3MN) Canyons with heads > 200 m depth; Tail of the Grand Bank (Div. 3O)

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Knolls	Orphan Knoll (Div. 3K) Beothuk Knoll (Div. 3LMN)
Southeast Shoal	Tail of the Grand Bank Spawning grounds (Div. 3N)
Steep flanks > 6.4°	South and Southeast of Flemish Cap. (Div. 3LM)

▼M1

5. FORMAT PRESCRIBED IN ANNEX II.C TO THE CEM REFERRED TO IN POINT (A) OF ARTICLE 4(2) OF REGULATION (EU) 2019/833

Vessel Notification and Authorisation

(1) Format for register of 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 vessels that may conduct fishing activities in NAFO RA
Vessel Name	NA	M	Name of the vessel
Radio Call Sign	RC	M	International radio call sign of the vessel
Flag State	FS	M	State where the vessel is registered
Internal Reference Number	IR	O (1)	Unique Contracting Party vessel number as ISO-3 flag State code followed by number
External Registration Number	XR	M	The side number of the vessel
Vessel IMO Number	IM	M	IMO number
Port Name	PO	M	Port of registration or home port
Vessel Owner	VO	M (2)	Registered owner and address
Vessel Charterer	VC	M (2)	Responsible for using the vessel
Vessel Type	TP	M	FAO vessel code (Annex II.I)
Vessel Gear	GE	O	FAO statistical classification of fishing gear (Annex II.J)

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Data Element	Code	Mandatory/ Optional	Remarks
Vessel Tonnage measurement method tonnage	VT	M	Vessel tonnage capacity in pairs as needed "OC" = "OSLO" Convention 1947, "LC"'London' Convention ICTM-69 Total capacity in metric tons
Vessel length measurement method length	VL	M	Length in meters in pairs as needed "OA" = overall; length in meters
Vessel Power measurement method power	VP	M	Engine power in pairs as needed in 'KW' PE = propulsion engine AE = Auxiliary summary engines Total installed engine power in vessel measured in 'KW'
End of record	ER	M	System detail; indicates end of the record

([1]) Mandatory when used as a single identification in other messages.
([2]) Whichever one is appropriate.

(2) Format for withdrawal of vessels from the register

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, "WIT" as Withdrawal of notified vessels
Vessel Name	NA	M	Name of the vessel
Radio Call Sign	RC	M	International radio call sign of the vessel
Internal Reference Number	IR	O	Unique Contracting Party vessel number as ISO-3 flag State code followed by number, if exists
External Registration Number	XR	M	The side number of the vessel
Vessel IMO Number	IM	M	IMO number
Start Date	SD	M	The first date as from which the withdrawal takes effect
End of record	ER	M	System detail; indicates end of the record

▼M1

(3) Format for authorisation to conduct fishing activities

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, 'AUT' as Authorization of vessels to conduct fishing activities in the NAFO RA
Vessel Name	NA	M	Name of the vessel
Radio Call Sign	RC	M	International radio call sign of the vessel
Internal reference Number	IR	O	Unique Contracting Party vessel number as ISO-3 flag State code followed by number, if exists
External registration Number	XR	M	The side number of the vessel
Vessel IMO Number	IM	M	IMO number
Start Date	SD	M	License detail; date as from which the Authorization takes effect
End date	ED	O	License detail: Date on which the authorization go to the end. Maximum time validity is 12 months.
Targeted species and Area	TA	M ([1])	License detail; species and area allowed for directed fishery. Regulated species of Annex I.A or I.B must refer to the stock specification. For unregulated species use Sub Area or division or 'ANY'. Allow for several pairs of fields. e.g.//TA/GHL 3LMNO COD 3M RED 3LN RED 3M HER ANY//
End of record	ER	M	System detail; indicates end of the record

([1]) For transport vessels the TA field is optional.

(4) Format to suspend the authorisation to conduct fishing activities

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

▼M1

Data Element	Code	Mandatory/ Optional	Remarks
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, 'SUS' as Suspension of authorized vessels
Vessel Name	NA	M	Name of the vessel
Radio Call Sign	RC	M	International radio call sign of the vessel
Internal Reference Number	IR	O	Unique Contracting Party vessel number as ISO-3 flag State code followed by number, if exists
External Registration Number	XR	M	The side number of the vessel
Vessel IMO Number	IM	M	IMO number
Start Date	SD	M	License detail; date as from which the Suspension takes effect
End of record	ER	M	System detail; indicates end of the record

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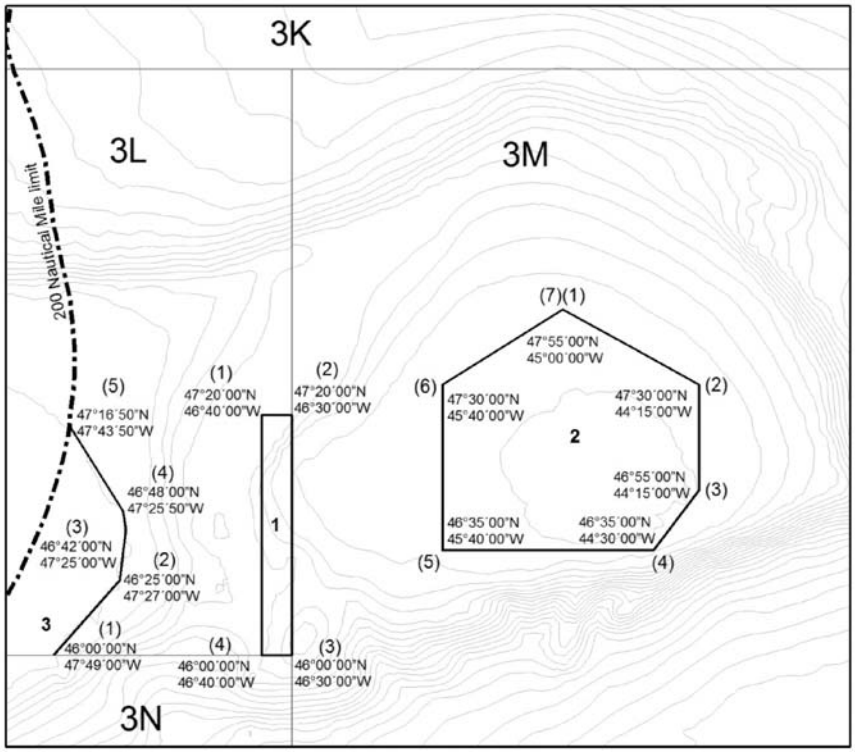
6. TABLE 1 AND FIGURE 1(1) OF THE CEM, AS REFERRED TO IN ARTICLE 9(1) OF REGULATION (EU) 2019/833

Boundary points delineating the portion of Division 3L that is included in Division 3M for the management of shrimp

Coordinate No	Latitude	Longitude
1	47°20'0 N	46°40'0 W
2	47°20'0 N	46°30'0 W
3	46°00'0 N	46°30'0 W
4	46°00'0 N	46°40'0 W

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3L 200 meter depth restriction line, portion of 3L considered 3M, and 3M closed area



Legend

— 200 Nautical Mile limit

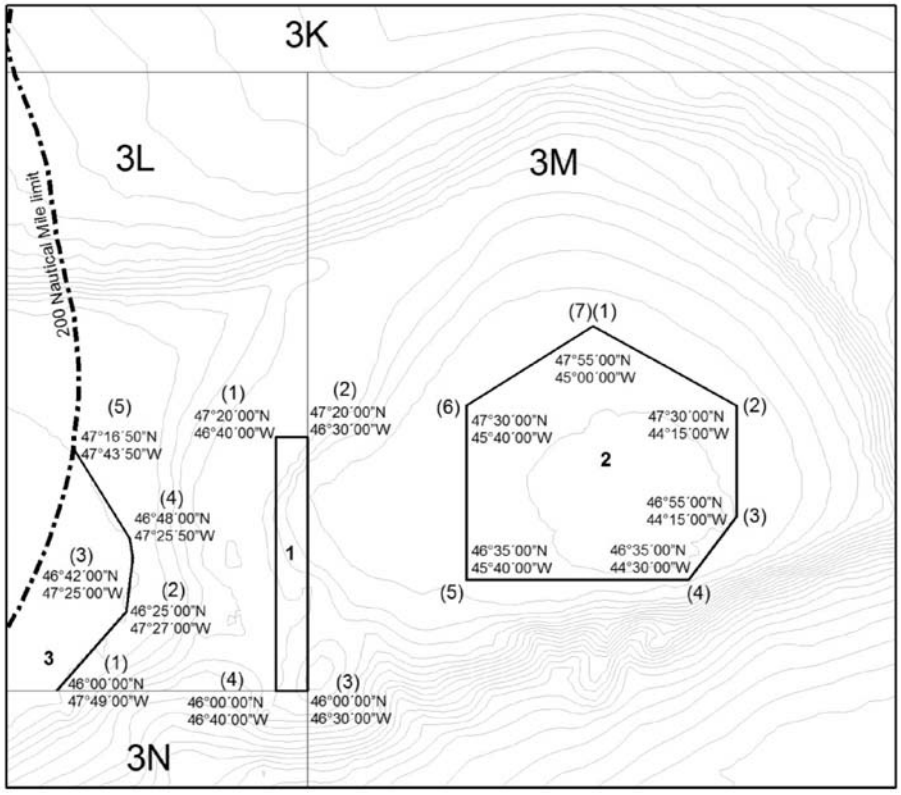
7. TABLE 2 AND FIGURE 1(2) OF THE CEM, AS REFERRED TO IN ARTICLE 9(4) OF REGULATION (EU) 2019/833

Boundary points delineating the shrimp closure area

Coordinate No	Latitude	Longitude
1 (same as No 7)	47°55'0 N	45°00'0 W
2	47°30'0 N	44°15'0 W
3	46°55'0 N	44°15'0 W
4	46°35'0 N	44°30'0 W
5	46°35'0 N	45°40'0 W
6	47°30'0 N	45°40'0 W
7 (same as No 1)	47°55'0 N	45°00'0 W

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3L 200 meter depth restriction line, portion of 3L considered 3M, and 3M closed area



Legend:

— 200 Nautical Mile limit

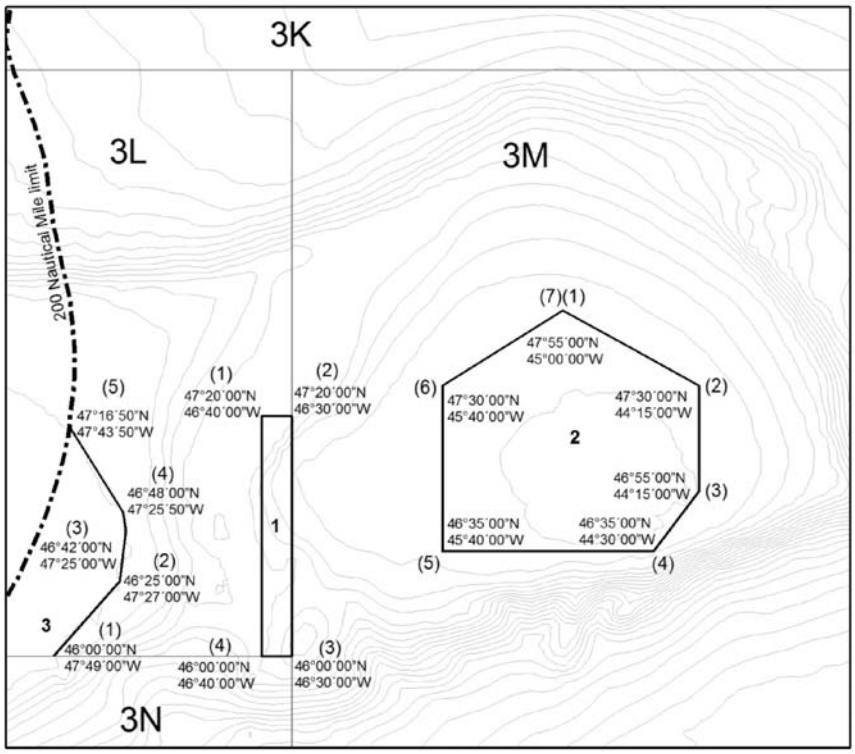
8. TABLE 3 AND FIGURE 1(3) OF THE CEM, AS REFERRED TO IN ARTICLE 9(5) OF REGULATION (EU) 2019/833

Boundary points delineating 200 m bathymetric curve

Coordinate No	Latitude	Longitude
1	46°00'00" N	47°49'00" W
2	46°25'00" N	47°27'00" W
3	46°42'00" N	47°25'00" W
4	46°48'00" N	47°25'50" W
5	47°16'50" N	47°43'50" W

3L 200 meter depth restriction line, portion of 3L considered 3M, and 3M closed area

▼B



Legend:

— 200 Nautical Mile limit

9. FORMAT PRESCRIBED IN ANNEX IV.C OF THE CEM, AS REFERRED TO IN ARTICLE 10(1)(E), ARTICLE 27(3)(C) AND ARTICLE 39(16) OF REGULATION (EU) 2019/833

Report on port State control inspection (PSC-3)

(please use black ink)

A. INSPECTION REFERENCE.						Inspection report number:	
Landing	Yes	No	Trans-hipment	Yes	No	Other reason for port entry	
Port State						Port of landing or transhipment	
Vessel name			Flag State			IMO Number [1]	International Radio call sign
Landing/transhipment Start Date						Landing/transhipment Start Time (UTC)	

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Landing/transhipment End Date		Landing/transhipment End Time (UTC)	
Vessel master's name:	Vessel master's nationality:	Vessel's owner/ operator:	Certificate of Registry ID:
VMS:	Port of registry:	Fishing master's name:	Fishing master's nationality:
Vessel's beneficial owner [2]:	Vessel's agent:	Vessel Type:	
Last port of call:		Date:	

B. INSPECTION DETAILS

Name of donor vessel [3]	IMO Number [1]	Radio call sign	Flag State

B1. CATCH RECORDED IN THE LOGBOOK

Species [4]	Area of catch	Declared live weight kg	Conversion factor used

▼B

B2. FISH LANDED OR TRANSHIPPED*

* In case where a vessel has engaged in transhipment operations a separate form shall be used for each donor vessel.

Species[4]	Product[5]	Area of catch	Product weight landed in kg	Conversion factor	Equivalent live weight kg	Diff (kg) between live weight declared in the logbook and the live weight landed	Diff (%) between live weight declared in the logbook and the live weight landed	Diff (kg) between Product weight landed and PSC 1/2	Diff (%) between Product weight landed and PSC 1/2

Relevant transhipment authorization:

B3. INFORMATION ABOUT LANDINGS AUTHORIzED WITHOUT CONFIRMATION FROM THE FLAG STATE

Ref. NEAFC art. 23.2/NAFO art. 43.7

Name of Storage:	
Name of Competent Authorities:	
Deadline for receiving Confirmation:	

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B4. FISH RETAINED ON BOARD

Species[4]	Product[5]	Area of catch	Product weight in kg	Conversion factor	Live weight kg	Diff. (kg) between product weight on board and PSC 1/2	Diff. (%) between product weight on board and PSC 1/2

C. RESULTS OF INSPECTION

C1. GENERAL

Inspection Start Date:		**Inspection Start Time (UTC):**	
Inspection End Date:		**Inspection End Time (UTC):**	

Status in other RFMO areas where fishing activities have been undertaken, including any IUU vessel listing

RFMO	Vessel identifier	Flag State status	Vessel on authorized vessel list	Vessel on IUU vessel list

Observations:

C2. GEAR INSPECTION IN PORT

A. General data

Number of gear inspected					Date gear inspection		
Has the vessel been cited?	Yes		No		If yes, complete the full ‘verification of inspection in port form. If no, complete the form with the exception of the NAFO seal details		

B. Otter Trawl details

NAFO Seal number		Is seal undamaged?	Yes		No	
Gear type						
Attachments						
Grate Bar Spacing (mm).						
Mesh type						

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Average mesh sizes (mm)	
Trawl part	
Wings	
Body	
Lengthening Piece	
Codend	

D. OBSERVATIONS BY THE MASTER:

I, ... the undersigned, Master of the vessel ..... hereby confirm that a copy of this report have been delivered to me on this date. My signature does not constitute acceptance of any part of the contents of this report, except my own observations, if any.

Signature: _____ Date : _____

E. INFRINGEMENTS AND FOLLOW-UP

E.1 NAFO

E.1 At-Sea Inspection

Infringements resulting from Inspections inside NAFO R.A.

Inspection Party	Date of inspection	Division	NAFO CEM infringement legal reference

E.1 B Port Inspection Infringements results

(a) - Confirmation of Infringements found at-sea inspection

NAFO CEM infringement legal reference	National Infringement legal reference

(b) - Infringements found at-sea inspection and not possible to be confirmed during the Port Inspection.

Comments :

(c) - Additional infringements found during the Port Inspection

NAFO CEM infringement legal reference	National Infringement legal reference

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E2. NEAFC INFRIGEMENT NOTED

Article	NEAFC provision(s) violated and summary of pertinent facts

Inspector's observations:

Action taken:

Inspecting authority/ agency:		
Inspectors Name	**Inspectors signature**	**Date and place**

F. DISTRIBUTION

Copy to flag State	Copy to NEAFC Secretary	Copy to NAFO Executive Secretary

1. Fishing vessels not assigned an IMO number shall provide their external registration number.
2. If known and if different from vessel's owner.
3. In case where a vessel has engaged in transhipment operations, a separate form shall be used for each donor vessel.
4. FAO Species Codes —**NEAFC Annex V — NAFO Annex I.C.**
5. Product presentations —**NEAFC Appendix 1 to Annex IV — NAFO Annex II.K.**

10. ANNEX III.A TO THE CEM, AS REFERRED TO IN ARTICLE 13(1) OF REGULATION (EU) 2019/833

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.

▼B

(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 3(a), the meshes to be measured need not be consecutive if this is prevented by the application of 3(b).

(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.

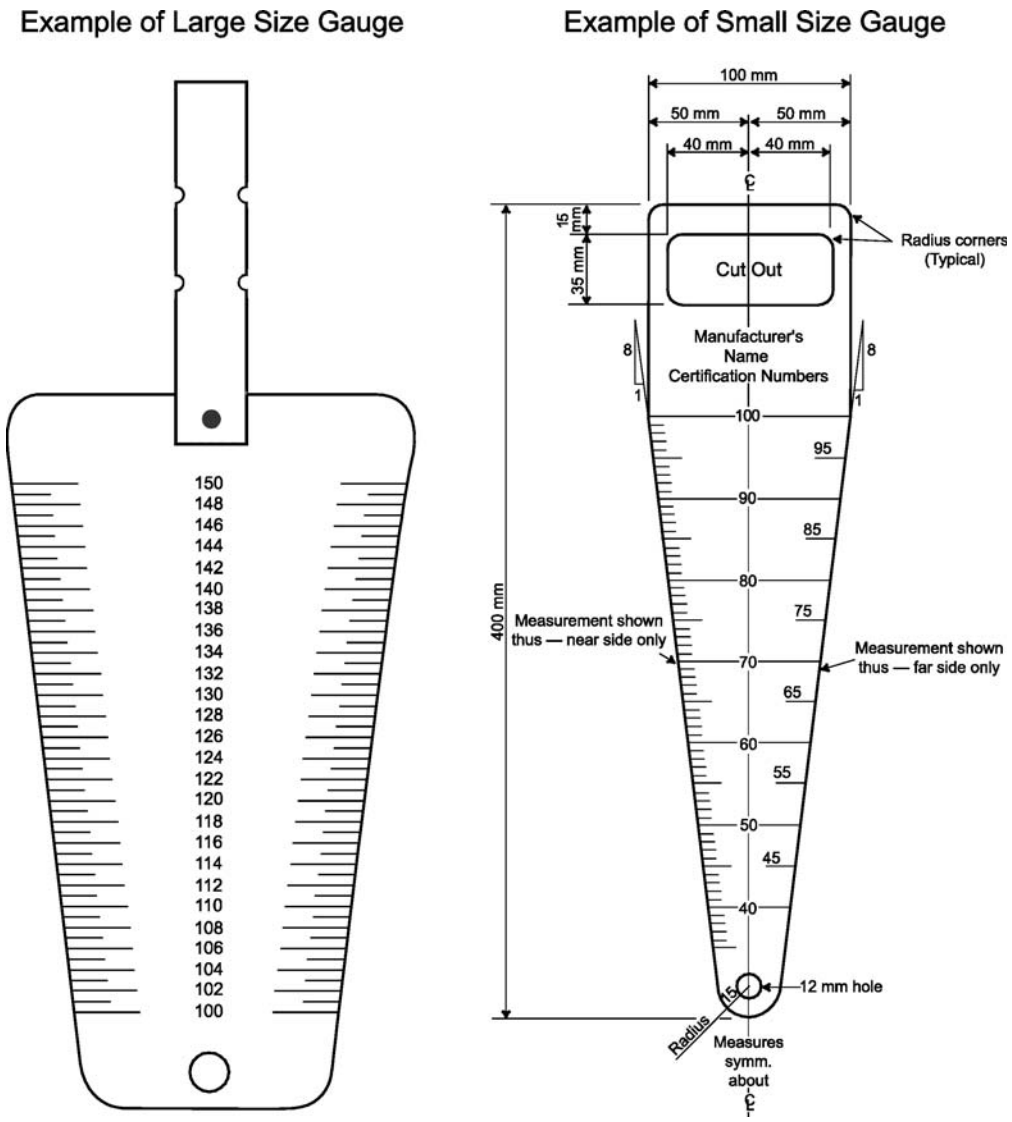
(6) **Mesh gauging procedure**

(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 millimetres, 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 millimetres, of any 20 consecutive meshes that are at least 10 meshes from the lacings.

▼B



Legend:

Example of Large Size Gauge

Example of Small Size Gauge

— Radius corners (Typical)

— Cut Out

— Manufacturer’s Name Certification Numbers

— Measurement shown thus — near side only

— Measurement shown thus — far side only

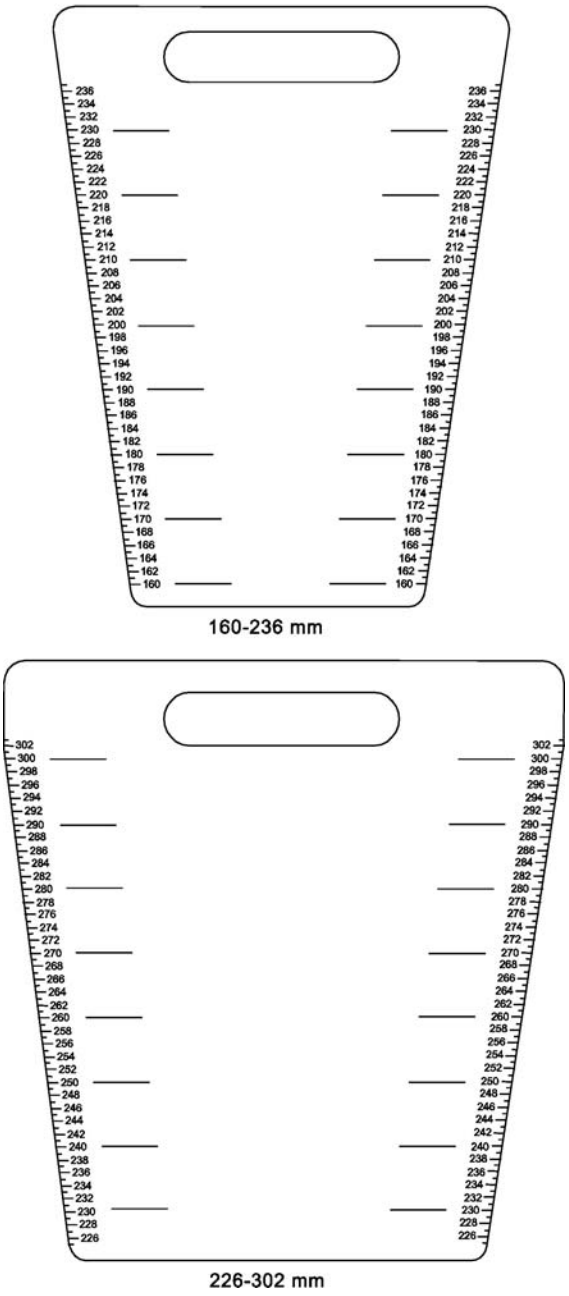
— 12 mm hole

— Radius

— Measures symm. about

▼B

Example of Skate Gauges



Legend:

— Example of Skate Gauges

▼M1

11. ANNEX I.C TO THE CEM REFERRED TO IN POINT (D) OF ARTICLE 13(2), IN POINT (B) OF ARTICLE 24(1) AND IN THE SECOND SUBPARAGRAPH OF ARTICLE 25(6) OF REGULATION (EU) 2019/833

List of Species [1]

Common English Name	Scientific Name	3-Alpha Code
Groundfish		
Atlantic Cod	*Gadus morhua*	COD
Haddock	*Melanogrammus aeglefinus*	HAD
Atlantic redfishes	*Sebastes* sp.	RED
Golden redfish	*Sebastes marinus*	REG
Beaked redfish (deepwater)	*Sebastes mentella*	REB
Acadian redfish	*Sebastes fasciatus*	REN
Silver hake	*Merluccius bilinearis*	HKS
Red hake (*)	*Urophycis chuss*	HKR
Pollock (= Saithe)	*Pollachius virens*	POK
American plaice	*Hippoglossoides platessoides*	PLA
Witch flounder	*Glyptocephalus cynoglossus*	WIT
Yellowtail flounder	*Limanda ferruginea*	YEL
Greenland halibut	*Reinhardtius hippoglossoides*	GHL
Atlantic halibut	*Hippoglossus hippoglossus*	HAL
Winter flounder	*Pseudopleuronectes americanus*	FLW
Summer flounder	*Paralichthys dentatus*	FLS
Windowpane flounder	*Scophthalmus aquosus*	FLD
Flatfishes (NS)	*Pleuronectiformes*	FLX
American angler (= Goosefish)	*Lophius americanus*	ANG
Atlantic searobins	*Prionotus* sp.	SRA
Atlantic tomcod	*Microgadus tomcod*	TOM
Blue antimora	*Antimora rostrata*	ANT
Blue whiting	*Micromesistius poutassou*	WHB
Cunner	*Tautogolabrus adspersus*	CUN
Cusk (= Tusk)	*Brosme brosme*	USK
Greenland cod	*Gadus ogac*	GRC
Blue ling	*Molva dypterygia*	BLI

[1] If a species is caught that is not found in this list (Annex I.C), then the FAO ASFIS list of species codes should be used. The ASFIS list is found at: http://www.fao.org/fishery/collection/asfis/en

▼M1

Common English Name	Scientific Name	3-Alpha Code
Ling	*Molva molva*	LIN
Lumpfish =(Lumpsucker)	*Cyclopterus lumpus*	LUM
Northern kingfish	*Menticirrhus saxatilis*	KGF
Northern puffer	*Sphoeroides maculatus*	PUF
Eelpouts (NS)	*Lycodes* sp.	ELZ
Ocean pout	*Macrozoarces americanus*	OPT
Polar cod	*Boreogadus saida*	POC
Roundnose grenadier	*Coryphaenoides rupestris*	RNG
Roughhead grenadier	*Macrourus berglax*	RHG
Sandeels (= Sand Lances)	*Ammodytes* sp.	SAN
Sculpins	*Myoxocephalus* sp.	SCU
Scup	*Stenotomus chrysops*	SCP
Tautog	*Tautoga onitis*	TAU
Tilefish	*Lopholatilus chamaeleonticeps*	TIL
White hake (*)	*Urophycis tenuis*	HKW
Longfin hake	*Urophycis chesteri*	GPE
Threebeard rockling	*Gaidropsarus ensis*	GDE
Wolffishes (NS)	*Anarhichas* sp.	CAT
Atlantic wolffish	*Anarhichas lupus*	CAA
Spotted wolffish	*Anarhichas minor*	CAS
Northern wolffish	*Anarhichas denticulatus*	CAB
Groundfish (NS)		GRO
Pelagics		
Atlantic herring	*Clupea harengus*	HER
Atlantic mackerel	*Scomber scombrus*	MAC
Atlantic butterfish	*Peprilus triacanthus*	BUT
Atlantic menhaden	*Brevoortia tyrannus*	MHA
Atlantic saury	*Scomberesox saurus*	SAU
Bay anchovy	*Anchoa mitchilli*	ANB
Bluefish	*Pomatomus saltatrix*	BLU
Crevalle jack	*Caranx hippos*	CVJ
Frigate tuna	*Auxis thazard*	FRI
King mackerel	*Scomberomourus cavalla*	KGM
Atlantic Spanish mackerel	*Scomberomourus maculates*	SSM

▼M1

Common English Name	Scientific Name	3-Alpha Code
Sailfish	*Istiophorus platypterus*	SAI
White marlin	*Tetrapturus albidus*	WHM
Blue marlin	*Makaira nigricans*	BUM
Swordfish	*Xiphias gladius*	SWO
Albacore tuna	*Thunnus alalunga*	ALB
Atlantic bonito	*Sarda sarda*	BON
Little tunny	*Euthynnus alletteratus*	LTA
Bigeye tunny	*Thunnus obesus*	BET
Northern bluefin tuna	*Thunnus thynnus*	BFT
Skipjack tuna	*Katsuwonus pelamis*	SKJ
Yellowfin tuna	*Thunnus albacares*	YFT
Tunas (NS)	*Scombridae*	TUN
Pelagic fish (NS)		PEL
Other Fish		
Alewife	*Alosa pseudoharengus*	ALE
Amberjacks	*Seriola* sp.	AMX
American conger	*Conger oceanicus*	COA
American eel	*Anguilla rostrata*	ELA
Atlantic hagfish	*Myxine glutinosa*	MYG
American shad	*Alosa sapidissima*	SHA
Argentines (NS)	*Argentina* sp.	ARG
Atlantic croaker	*Micropogonias undulatus*	CKA
Atlantic needlefish	*Strongylura marina*	NFA
Atlantic salmon	*Salmo salar*	SAL
Atlantic silverside	*Menidia menidia*	SSA
Atlantic thread herring	*Opisthonema oglinum*	THA
Baird's slickhead	*Alepocephalus bairdii*	ALC
Black drum	*Pogonias cromis*	BDM
Black seabass	*Centropristis striata*	BSB
Blueback herring	*Alosa aestivalis*	BBH
Capelin	*Mallotus villosus*	CAP
Chars (NS)	*Salvelinus* sp.	CHR
Cobia	*Rachycentron canadum*	CBA
Common (Florida) pompano	*Trachinotus carolinus*	POM

▼M1

Common English Name	Scientific Name	3-Alpha Code
Gizzard shad	*Dorosoma cepedianum*	SHG
Grunts (NS)	*Pomadasyidae*	GRX
Hickory shad	*Alosa mediocris*	SHH
Lanternfish	*Notoscopelus* sp.	LAX
Mullets (NS)	*Mugilidae*	MUL
North atlantic harvestfish	*Peprilus alepidotus (= paru)*	HVF
Pigfish	*Orthopristis chrysoptera*	PIG
Rainbow smelt	*Osmerus mordax*	SMR
Red drum	*Sciaenops ocellatus*	RDM
Red porgy	*Pagrus pagrus*	RPG
Rough scad	*Trachurus lathami*	RSC
Sand perch	*Diplectrum formosum*	PES
Sheepshead	*Archosargus probatocephalus*	SPH
Spot croaker	*Leiostomus xanthurus*	SPT
Spotted weakfish	*Cynoscion nebulosus*	SWF
Squeteague (Gray Weakfish)	*Cynoscion regalis*	STG
Striped bass	*Morone saxatilis*	STB
Sturgeons (NS)	*Acipenseridae*	STU
Tarpon	*Tarpon (= megalops) atlanticus*	TAR
Trouts (NS)	*Salmo* sp.	TRO
White perch	*Morone americana*	PEW
Alfonsinos (NS)	*Beryx* sp.	ALF
Spiny (= picked) dogfish	*Squalus acantias*	DGS
Dogfishes (NS)	*Squalidae*	DGX
Sand Tiger shark	*Odontaspis taurus*	CCT
Porbeagle	*Lamna nasus*	POR
Shortfin mako shark	*Isurus oxyrinchus*	SMA
Dusky shark	*Carcharhinus obscurus*	DUS
Great Blue shark	*Prionace glauca*	BSH
Large sharks (NS)	*Squaliformes*	SHX
Atlantic Sharpnose shark	*Rhizoprionodon terraenova*	RHT

▼M1

Common English Name	Scientific Name	3-Alpha Code
Black Dogfish	*Centroscyllium fabricii*	CFB
Boreal (Greenland) shark	*Somniosus microcephalus*	GSK
Basking shark	*Cetorhinus maximus*	BSK
Skates (NS)	*Raja* sp.	SKA
Little skate	*Leucoraja erinacea*	RJD
Arctic skate	*Amblyraja hyperborea*	RJG
Barndoor skate	*Dipturus laevis*	RJL
Winter skate	*Leucoraja ocellata*	RJT
Thorny skate (Starry Ray)	*Amblyraja radiata*	RJR
Smooth skate	*Malcoraja senta*	RJS
Spinytail skate (Spinetail Ray)	*Bathyraja spinicauda*	RJQ
Finfishes (NS)		FIN
Invertebrates		
Long-finned squid (*Loligo*)	*Loligo pealei*	SQL
Short-finned squid (*Illex*)	*Illex illecebrosus*	SQI
Squids (NS)	*Loliginidae, Ommastrephidae*	SQU
Atlantic razor clam	*Ensis directus*	CLR
Hard clam	*Mercenaria mercenaria*	CLH
Ocean quahog	*Arctica islandica*	CLQ
Soft clam	*Mya arenaria*	CLS
Surf clam	*Spisula solidissima*	CLB
Stimpson’s surf clam	*Spisula polynyma*	CLT
Clams (NS)	*Prionodesmacea, Teleodesmacea*	CLX
Bay scallop	*Argopecten irradians*	SCB
Calico scallop	*Argopecten gibbus*	SCC
Iceland scallop	*Chlamys islandica*	ISC
Sea scallop	*Placopecten magellanicus*	SCA
Scallops (NS)	Pectinidae	SCX
American cupped oyster	*Crassostrea virginica*	OYA
Blue mussel	*Mytilus edulis*	MUS
Whelks (NS)	*Busycon* sp.	WHX
Periwinkles (NS)	*Littorina* sp.	PER

▼M1

Common English Name	Scientific Name	3-Alpha Code
Marine molluscs (NS)	Mollusca	MOL
Atlantic rock crab	*Cancer irroratus*	CRK
Blue crab	*Callinectes sapidus*	CRB
Green crab	*Carcinus maenas*	CRG
Jonah crab	*Cancer borealis*	CRJ
Queen crab	*Chionoecetes opilio*	CRQ
Red crab	*Geryon quinquedens*	CRR
Stone king crab	*Lithodes maia*	KCT
Marine crabs (NS)	Reptantia	CRA
American lobster	*Homarus americanus*	LBA
Northern prawn	*Pandalus borealis*	PRA
Aesop shrimp	*Pandalus montagui*	AES
Penaeus shirmps (NS)	*Penaeus* sp.	PEN
Pink (= Pandalid) shrimps	*Pandalus* sp.	PAN
Marine crustaceans (NS)	*Crustacea*	CRU
Sea-urchin	*Strongylocentrotus* sp.	URC
Marine worms (NS)	*Polycheata*	WOR
Horseshoe crab	*Limulus polyphemus*	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*

12. ANNEX III.B TO THE CEM REFERRED TO IN ARTICLE 14(2) AND (3) OF REGULATION (EU) 2019/833

Authorised Topside Chafers/Shrimp Toggle Chains

(1) ICNAF-type topside chafer

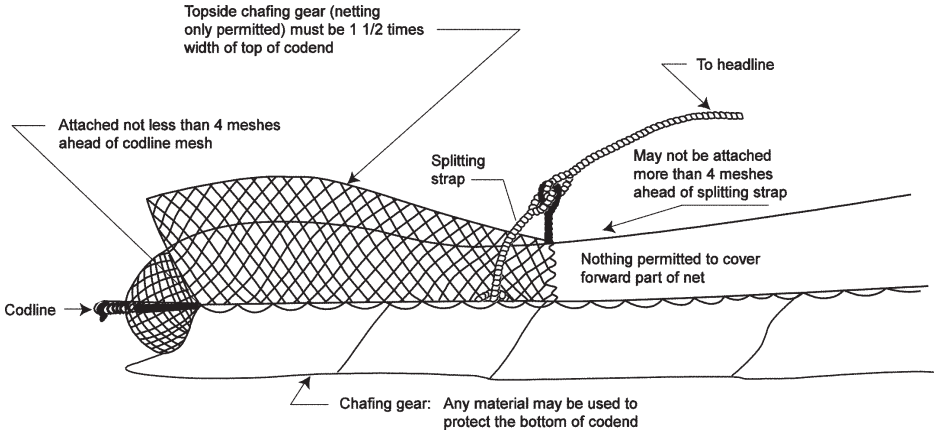
The ICNAF-type topside chafer is a rectangular piece of netting to be attached to the upper side of the codend of the trawl net to reduce and prevent damage so long as such netting conforms to the following conditions:

(a) this netting shall have a mesh size not less than that specified for the codend in Article 13;

▼M1

(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.



Legend:

Topside chafing gear (netting only permitted) must be 1 1/2 times width of top of codend = Topside chafing gear (netting only permitted) must be 1 1/2 times width of top of codend

Attached not less than 4 meshes ahead of codline mesh = Attached not less than 4 meshes ahead of codline mesh

Splitting strap = Splitting strap

To headline = To headline

May not be attached more than 4 meshes ahead of splitting strap = May not be attached more than 4 meshes ahead of splitting strap

Nothing permitted to cover forward part of net = Nothing permitted to cover forward part of net

Codline = Codline

Chafing gear: Any material may be used to protect the bottom of codend = Chafing gear: Any material may be used to protect the bottom of 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 is not less than that of the codend, provided that:

(a) each piece of netting

- is fastened a minimum of one meter apart by its leading edge across the codend at right angles to its long axis;

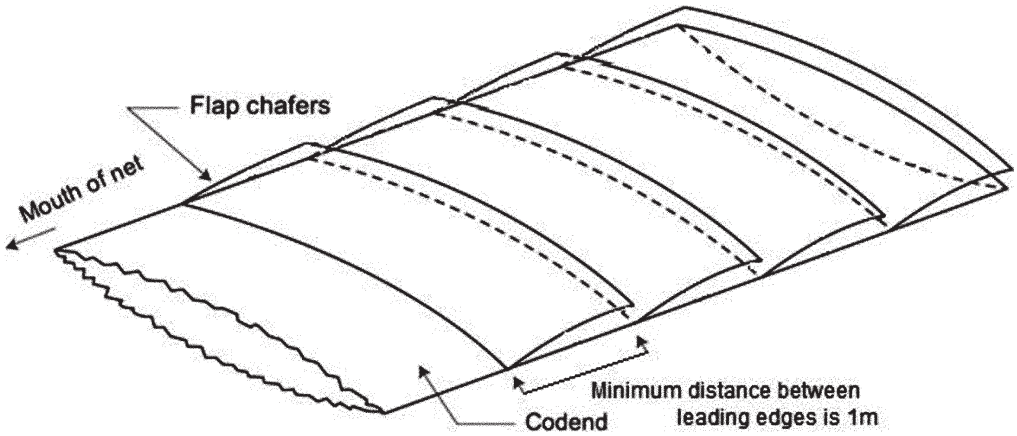
▼M1

- does not overlap the leading edge of the next piece of netting (see illustration following this provision);

- 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

- is constructed of a positively buoyant single twine material; and

(b) the aggregate length of all the pieces of netting so attached does not exceed two-thirds of the length of the codend.



Legend:

Mouth of net = Mouth of net

Flap chafers = Flap chafers

Codend = Codend

Minimum distance between leading edges is 1m = Minimum distance between leading edges is 1m

(3) Shrimp Trawl – Codend Strengthening Bag, for vessels directing for shrimp in the NRA

A strengthening bag is defined as an outer covering of netting that can be used on a shrimp trawl to protect and provide strength to the codend of the shrimp trawl.

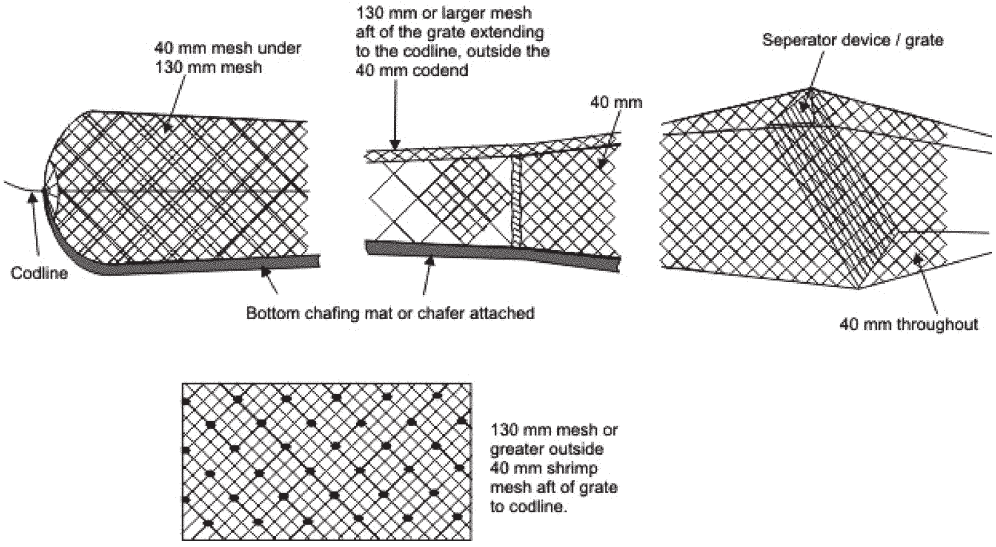
(a) Vessels shall not use a strengthening bag of which the mesh size is less than 130 millimetres.

(b) The strengthening bag shall not extend forward of the sorting grids or grates or obstruct the sorting grids or grates in any way.

(c) A strengthening bag shall not be attached in any way that restricts the authorized mesh or obstructs the mesh opening.

(d) Vessels shall not use a strengthening bag with any other top-side chafers simultaneously.

▼M1



Legend:

40 mm mesh under 130 mm mesh = 40 mm mesh under 130 mm mesh

130 mm or larger mesh aft of the grate extending to the codline, outside the 40 mm codend = 130 mm or larger mesh aft of the grate extending to the codline, outside the 40 mm codend

Separator device/grate = Separator device/grate

Codline = Codline

Bottom chafing mat or chafer attached = Bottom chafing mat or chafer attached

40 mm throughout = 40 mm throughout

130 mm mesh or greater outside 40 mm shrimp mesh aft of grate to codline = 130 mm mesh or greater outside 40 mm shrimp mesh aft of grate to codline

Shrimp Toggle Chains

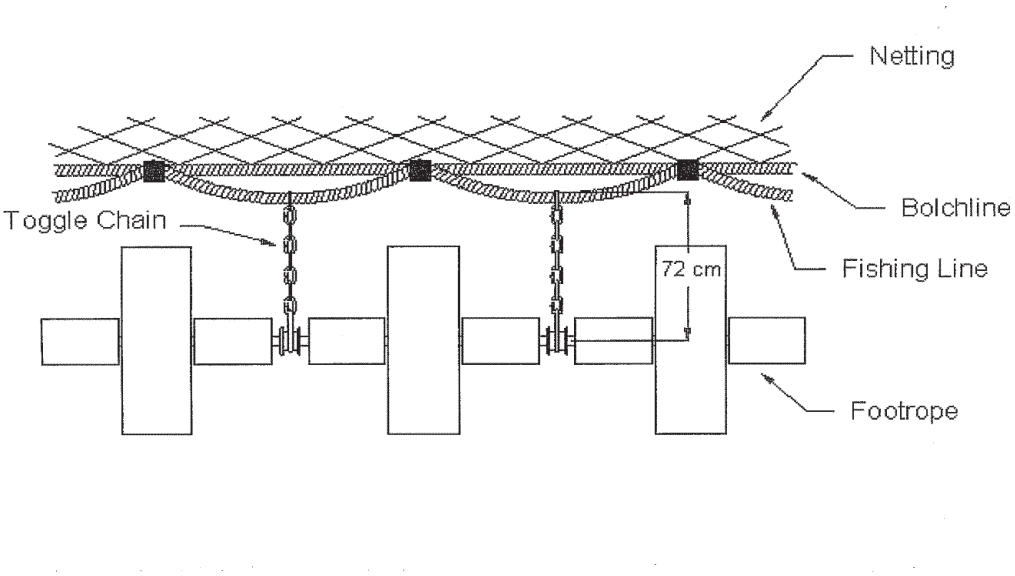
Toggle chains are chains, ropes, or a combination of both, which attach the footrope to the fishing line or bolchline at varying intervals.

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 centre of the chain or wire running through the footrope (centre of footrope) to the underside of the fishing line.

▼M1

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



Legend:

Toggle Chain = Toggle Chain

Netting = Netting

Bolchline = Bolchline

Fishing Line = Fishing Line

Footrope = Footrope

▼B

13. ANNEX I.D TO THE CEM, AS REFERRED TO IN ARTICLE 16(1) AND (2) OF REGULATION (EU) 2019/833

Minimum Fish Size (*)

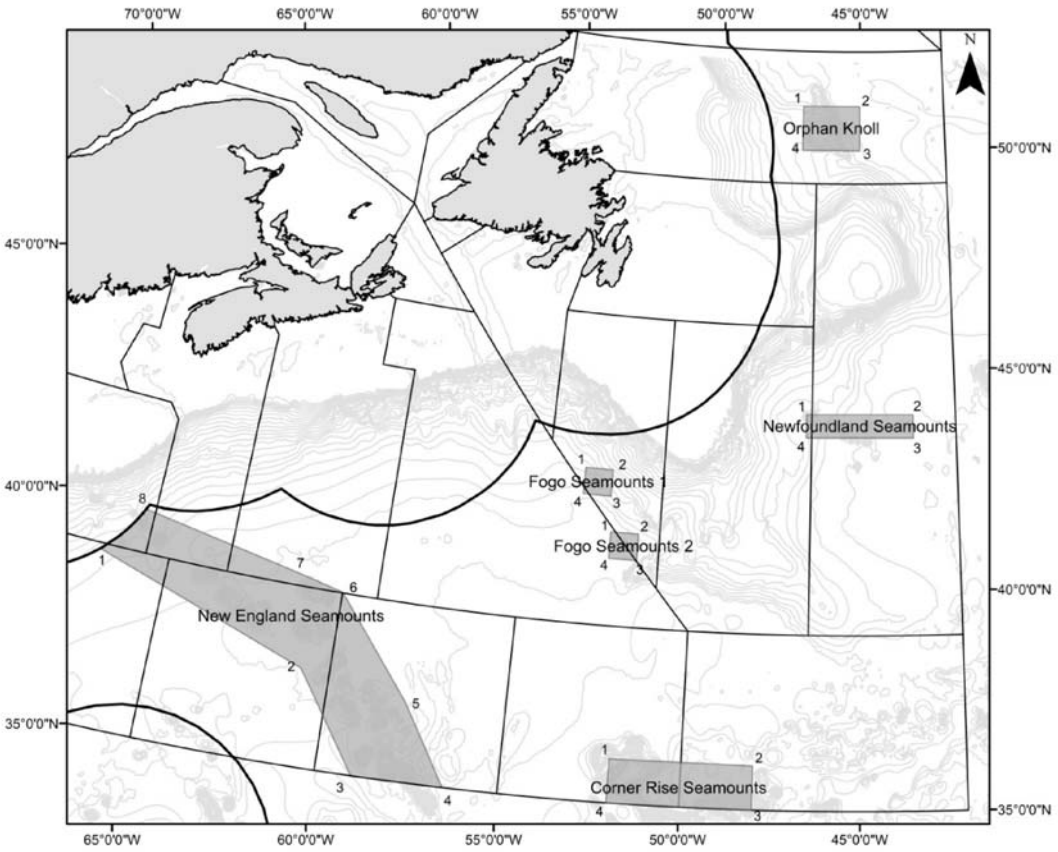
Species	**Gilled and gutted fish whether or not skinned; fresh or chilled, frozen, or salted.**			
	Whole	**Head Off**	**Head and Tail Off**	**Head Off and Split**
Atlantic Cod	41 cm	27 cm	22 cm	27/25 cm (**)
Greenland halibut	30 cm	N/A	N/A	N/A
American plaice	25 cm	19 cm	15 cm	N/A
Yellowtail flounder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

▼B

14. FIGURE 3 OF THE CEM, AS REFERRED TO IN ARTICLE 18(1) OF REGULATION (EU) 2019/833

Polygons Delineating Seamount Closures



Legend:

— Orphan Knoll

— Newfoundland Seamounts

— Fogo Seamounts

— New England Seamounts

— Corner Rise Seamounts

15. TABLE 5 OF THE CEM, AS REFERRED TO IN ARTICLE 18(1) OF REGULATION (EU) 2019/833

Boundary Points Delineating the Seamount Closures in the NAFO Regulatory Area

Description	Coordinate No	Latitude	Longitude
Fogo Seamounts 1	1	42°31'33"N	53°23'17"W
	2	42°31'33"N	52°33'37"W
	3	41°55'48"N	53°23'17"W
	4	41°55'48"N	52°33'37"W

▼B

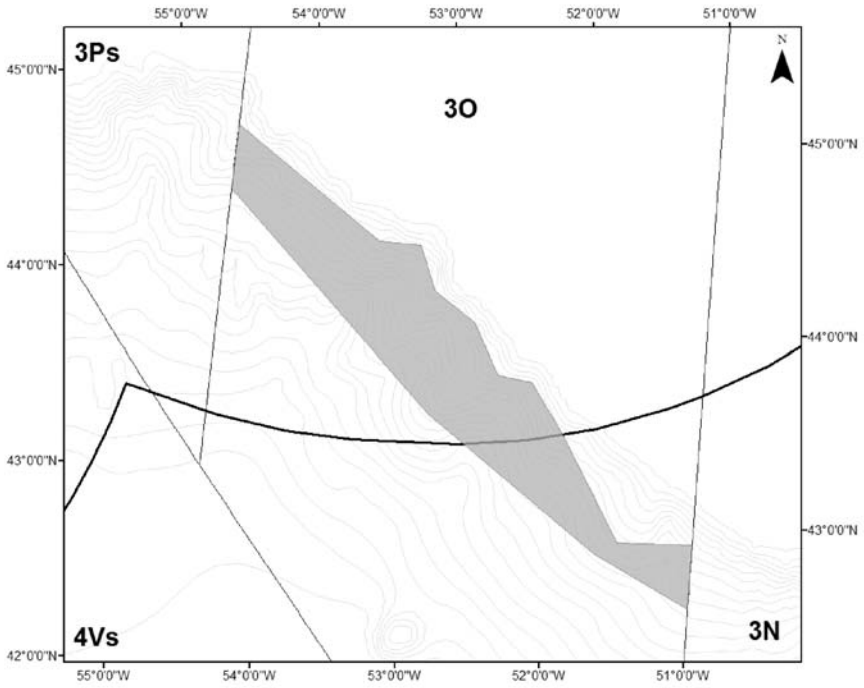
Description	Coordinate No	Latitude	Longitude
Fogo Seamounts 2	1	41°07’22”N	52°27’49”W
	2	41°07’22”N	51°38’10”W
	3	40°31’37”N	52°27’49”W
	4	40°31’37”N	51°38’10”W
Orphan Knoll	1	50°00’30”N	45°00’30”W
	2	51°00’30”N	45°00’30”W
	3	51°00’30”N	47°00’30”W
	4	50°00’30”N	47°00’30”W
Corner Rise Seamounts	1	35°00’00”N	48°00’00”W
	2	36°00’00”N	48°00’00”W
	3	36°00’00”N	52°00’00”W
	4	35°00’00”N	52°00’00”W
Newfoundland Seamounts	1	43°29’00”N	43°20’00”W
	2	44°00’00”N	43°20’00”W
	3	44°00’00”N	46°40’00”W
	4	43°29’00”N	46°40’00”W
New England Seamounts (*)	1	38°51'54.000” N	66°55'51.600” W
	2	37°12'0.000” N	60°48'0.000” W
	3	35°00'0.000” N	59°00'0.000” W
	4	35°00'0.000” N	56°30'0.000” W
	5	36°48'0.000” N	57°48'0.000” W
	6	39°00'0.000” N	60°00'0.000” W
	7	39°18'0.000” N	61°30'0.000” W
	8	39°56'20.400” N	65°56'34.800” W

(*) From point 8 back to point 1, following the outer boundary of the US EEZ.

▼B

16. FIGURE 4 OF THE CEM, AS REFERRED TO IN ARTICLE 18(2) OF REGULATION (EU) 2019/833

Polygon Delineating Area of 3O Coral Closure



17. TABLE 6 OF THE CEM, AS REFERRED TO IN ARTICLE 18(2) OF REGULATION (EU) 2019/833

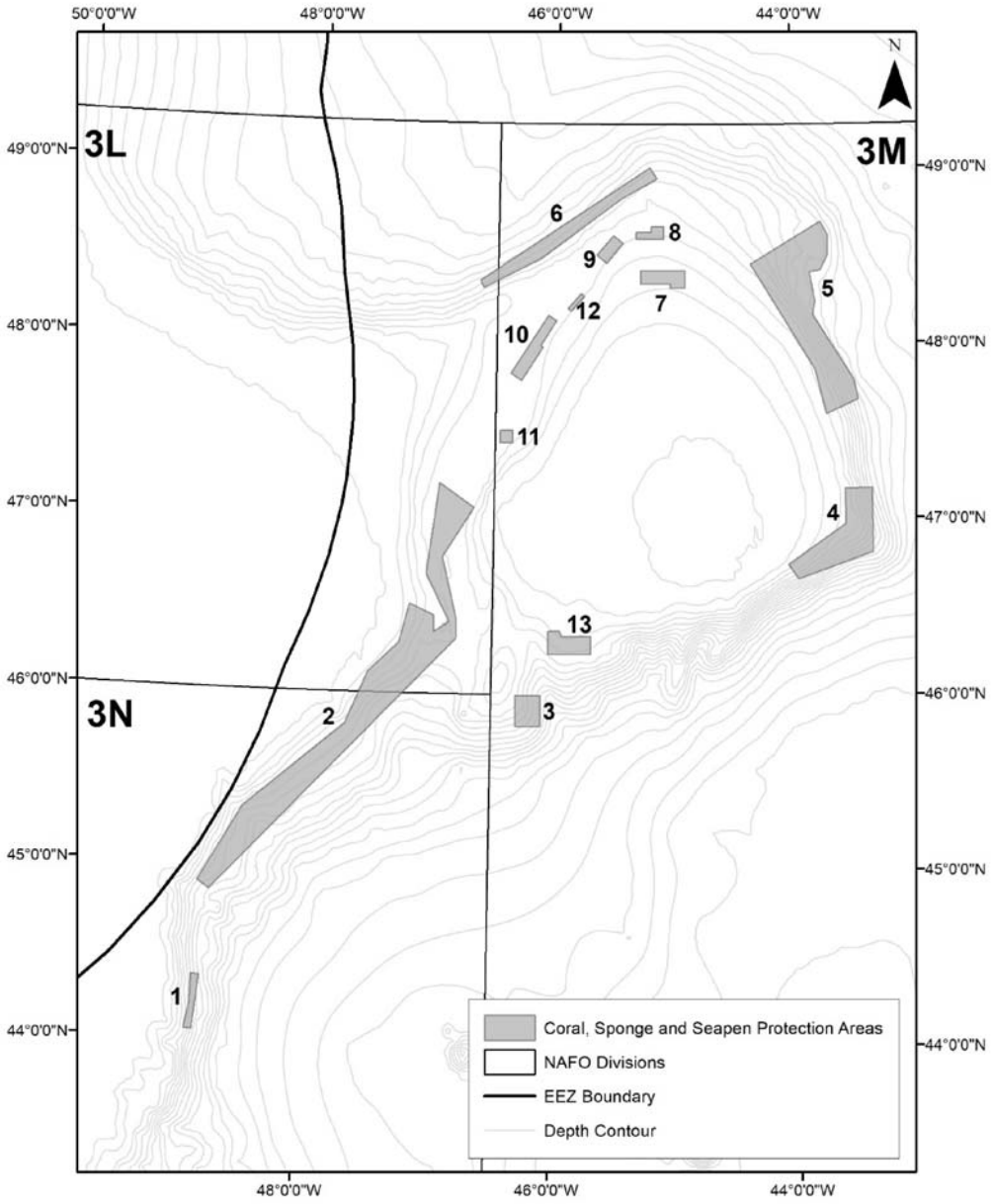
Boundary Points Delineating the 3O Coral Area Closure in the NAFO Regulatory Area

Coordinate No	Latitude	Longitude
1	42° 53' 00" N	51° 00' 00" W
2	42° 52' 04" N	51° 31' 44" W
3	43° 24' 13" N	51° 58' 12" W
4	43° 24' 20" N	51° 58' 18" W
5	43° 39' 38" N	52° 13' 10" W
6	43° 40' 59" N	52° 27' 52" W
7	43° 56' 19" N	52° 39' 48" W
8	44° 04' 53" N	52° 58' 12" W
9	44° 18' 38" N	53° 06' 00" W
10	44° 18' 36" N	53° 24' 07" W
11	44° 49' 59" N	54° 30' 00" W
12	44° 29' 55" N	54° 30' 00" W
13	43° 26' 59" N	52° 55' 59" W
14	42° 48' 00" N	51° 41' 06" W
15	42° 33' 02" N	51° 00' 00" W

▼B

18. FIGURE 5 OF THE CEM, AS REFERRED TO IN ARTICLE 18(3) AND (4) OF REGULATION (EU) 2019/833

Polygons Delineating Areas of High Sponge and Coral Concentrations



Legend:

— Coral, Sponge and Seapen Protection Areas

— NAFO Divisions

— EEZ Boundary

— Depth Contour

▼B

19. TABLE 7 OF THE CEM, AS REFERRED TO IN ARTICLE 18(3) AND (4) OF REGULATION (EU) 2019/833

Boundary Points Delineating the High Sponge and Coral Concentration Area Closures in the NAFO Regulatory Area

Area	Description	Coordinate No	Latitude	Longitude
1	Tail of the Bank	1.1	44° 02' 53.88" N	48° 49' 9.48" W
		1.2	44° 21' 31.32" N	48° 46' 48" W
		1.3	44° 21' 34.56" N	48° 50' 32.64" W
		1.4	44° 11' 48.12" N	48° 50' 32.64" W
		1.5	44° 02' 54.6" N	48° 52' 52.32" W
2	Flemish Pass/ Eastern Canyon	2.1	44° 50' 56.4" N	48° 43' 45.48" W
		2.2	46° 18' 54.72" N	46° 47' 51.72" W
		2.3	46° 25' 28.56" N	46° 47' 51.72" W
		2.4	46° 46' 32.16" N	46° 55' 14.52" W
		2.5	47° 03' 29.16" N	46° 40' 4.44" W
		2.6	47° 11' 47.04" N	46° 57' 38.16" W
		2.7	46° 40' 40.8" N	47° 03' 4.68" W
		2.8	46° 24' 24.12" N	46° 51' 23.04" W
		2.9	46° 21' 4.78" N	46° 58' 53" W
		2.10	46° 26' 32" N	46° 58' 53" W
		2.11	46° 30' 22.20" N	47° 11' 2.93" W
		2.12	46° 17' 13.30" N	47° 15' 46.64" W
		2.13	46° 07' 1.56" N	47° 30' 36.36" W
		2.14	45° 49' 6.24" N	47° 41' 17.88" W
		2.15	45° 19' 43.32" N	48° 29' 14.28" W
		2.16	44° 53' 47.4" N	48° 49' 32.52" W
3	Beothuk Knoll	3.1	45° 49' 10.2" N	46° 06' 2.52" W
		3.2	45° 59' 47.4" N	46° 06' 2.52" W
		3.3	45° 59' 47.4" N	46° 18' 8.28" W
		3.4	45° 49' 10.2" N	46° 18' 8.28" W
4	Eastern Flemish Cap	4.1	46° 44' 34.80" N	44° 03' 14.40" W
		4.2	46° 58' 19.20" N	43° 34' 16.32" W
		4.3	47° 10' 30.00" N	43° 34' 16.32" W
		4.4	47° 10' 30.00" N	43° 20' 51.72" W
		4.5	46° 48' 35.28" N	43° 20' 51.72" W
		4.6	46° 39' 36.00" N	43° 58' 8.40" W

▼B

Area	Description	Coordinate No	Latitude	Longitude
5	Northeast Flemish Cap	5.1	47° 47' 46.00" N	43° 29' 07.00" W
		5.2	47° 40' 54.47" N	43° 27' 06.71" W
		5.3	47° 35' 57.48" N	43° 43' 9.12" W
		5.4	47° 51' 14.4" N	43° 48' 35.64" W
		5.5	48° 27' 19.44" N	44° 21' 7.92" W
		5.6	48° 41' 37.32" N	43° 45' 08.08" W
		5.7	48° 37' 13.00" N	43° 41' 24.00" W
		5.8	48° 30' 15.00" N	43° 41' 32.00" W
		5.9	48° 25' 08.00" N	43° 45' 20.00" W
		5.10	48° 24' 29.00" N	43° 50' 50.00" W
		5.11	48° 14' 20.00" N	43° 48' 19.00" W
		5.12	48° 09' 53.00" N	43° 49' 24.00" W
6	Sackville Spur	6.1	48° 18' 51.12" N	46° 37' 13.44" W
		6.2	48° 28' 51.24" N	46° 08' 33.72" W
		6.3	48° 49' 37.2" N	45° 27' 20.52" W
		6.4	48° 56' 30.12" N	45° 08' 59.99" W
		6.5	49° 00' 9.72" N	45° 12' 44.64" W
		6.6	48° 21' 12.24" N	46° 39' 11.16" W
7	Northern Flemish Cap	7.1	48° 25' 02.28" N	45° 17' 16.44" W
		7.2	48° 25' 02.28" N	44° 54' 38.16" W
		7.3	48° 19' 08.76" N	44° 54' 38.16" W
		7.4	48° 19' 08.76" N	45° 01' 58.56" W
		7.5	48° 20' 29.76" N	45° 01' 58.56" W
		7.6	48° 20' 29.76"N	45°17' 16.44" W
8	Northern Flemish Cap	8.1	48° 38' 07.95" N	45° 19' 31.92" W
		8.2	48° 38' 07.95" N	45° 11' 44.36" W
		8.3	48° 40' 9.84" N	45° 11' 44.88" W
		8.4	48° 40' 9.84" N	45° 05' 35.52" W
		8.5	48° 35' 56.4" N	45° 05' 35.52" W
		8.6	48° 35' 56.4" N	45° 19' 31.92 W"
9	Northern Flemish Cap	9.1	48° 34' 23.52" N	45° 26' 18.96" W
		9.2	48° 36' 55.08" N	45° 31' 15.96" W
		9.3	48° 30' 18.36" N	45° 39' 42.48" W
		9.4	48° 27' 30.6" N	45° 34' 40.44" W

▼B

Area	Description	Coordinate No	Latitude	Longitude
10	Northwest Flemish Cap	10.1	47° 49' 41.51" N	46° 22' 48.18" W
		10.2	47° 47' 17.14" N	46° 17' 27.91" W
		10.3	47° 58' 42.28" N	46° 6' 43.74" W
		10.4	47° 59' 15.77" N	46° 7' 57.76" W
		10.5	48° 7' 48.97" N	45° 59' 58.46" W
		10.6	48° 9' 34.66" N	46° 4' 8.54" W
11	Northwest Flemish Cap	11.1	47° 25' 48" N	46° 21' 23.76" W
		11.2	47° 30' 1.44" N	46° 21' 23.76" W
		11.3	47° 30' 1.44" N	46° 27' 33.12" W
		11.4	47° 25' 48" N	46° 27' 33.12" W
12	Northwest Flemish Cap	12.1	48° 12' 6.60" N	45° 54' 12.94" W
		12.2	48° 17' 11.82" N	45° 47' 25.36" W
		12.3	48° 16' 7.06" N	45° 45' 48.19" W
		12.4	48° 11' 3.32" N	45° 52' 40.63" W
13	Beothuk Knoll	13.1	46° 13' 58.80" N	45° 41' 13.20" W
		13.2	46° 13' 58.80" N	46° 02' 24.00" W
		13.3	46° 21' 50.40" N	46° 02' 24.00" W
		13.4	46° 21' 50.40" N	45° 56' 48.12" W
		13.5	46° 20' 14.32" N	45° 55' 43.93" W
		13.6	46° 20' 14.32" N	45° 41' 13.20" W

20. EXPLORATORY PROTOCOL IN ANNEX I.E TO THE CEM, AS REFERRED TO IN ARTICLE 19(1) OF REGULATION (EU) 2019/833

Templates for the Conduct of Exploratory Bottom Fishing Activities

Exploratory Protocol for New Fishing Areas

The Exploratory Protocol shall consist of:

- A harvesting plan which outlines target species, dates and areas. Area and effort restrictions should be considered to ensure fisheries occur on a gradual basis in a limited geographical area.

- A mitigation plan including measures to prevent significant adverse impact to vulnerable marine ecosystems that may be encountered during the fishery.

- A catch monitoring plan that includes recording/reporting of all species caught, 100 % satellite tracking and 100 % observer coverage. The recording/reporting of catch should be sufficiently detailed to conduct an assessment of activity, if required.

- A data collection plan to facilitate the identification of vulnerable marine ecosystems/species in area fished.

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21. NOTICE OF INTENT TO UNDERTAKE EXPLORATORY BOTTOM FISHING IN ANNEX I.E TO THE CEM, AS REFERRED TO IN POINT ARTICLE 19(2)(A) OF REGULATION (EU) 2019/833

Notice of Intent to Undertake Exploratory Fishing

HARVESTING PLAN	MITIGATION PLAN	CATCH MONITORING PLAN	DATA COLLECTION PLAN
• Target species • Fishing dates • Description of area to be fished • Anticipated effort • Bottom fishing gear-type(s) used • IMO Number	• Measures to prevent significant adverse impacts to VMEs	• Identify and record all species brought on board to the lowest possible taxonomic level • 100 % satellite coverage • 100 % observer coverage	• Data will be collected and reported in a standardized format

22. EXPLORATORY BOTTOM FISHING TRIP REPORT IN ANNEX I.E OF THE CEM, AS REFERRED TO IN ARTICLE 19(2)(B) OF REGULATION (EU) 2019/833

Exploratory Fishing Trip Report

Advanced notice of intent to undertake exploratory fishing [1]

Name of vessel:

Flag State of vessel:

Anticipated **location(s)** of exploratory fishing activities (include lat/long):

Anticipated **dates** of exploratory fishing activities:

Has any **previous fishing** been undertaken in adjacent areas (if so, identify information source):

Depths expected to be encountered during exploratory fishing activities:

Do **habitat maps** of the area exist (if so, please identify source(s)):

Are **taxonomic keys** identifying potentially vulnerable species available (if so, identify sources(s)):

Known **vulnerable marine ecosystems (VMEs)** [2] in the location(s) to be fished:

Mitigation measures to prevent significant adverse impact to VMEs, if encountered:

Do **bathymetric maps** of the exploratory area exist (if so, please identify source(s)):

Does any **fisheries scientific information** in the exploratory area exist (if so, identify source(s)):

Target species being sought:

What **gear type(s)** are being proposed to be used (please identify) in what areas (include lat/long):

(1) Exploratory fishing is defined as all bottom fishing activities in new areas or with bottom gear not previously used in the area concerned and not identified in Article 16 of the CEM.

(2) Refer to FAO *International Guidelines for the Management of Deep-Sea Fisheries in the High Seas*.

▼B

23. ELEMENTS FOR ASSESSMENT OF PROPOSED EXPLORATORY BOTTOM FISHING ACTIVITIES IN ANNEX I.E TO THE CEM, AS REFERRED TO IN ARTICLE 20(2)(B) OF REGULATION (EU) 2019/833

Assessment of Bottom Fishing Activities

Assessments should consider the best available scientific and technical information on the current state of fishery resources.

Assessments should address, *inter alia*:

(1) Type(s) of fishing conducted or contemplated, including vessels and gear types, fishing areas, target and potential bycatch species, fishing effort levels and duration of fishing (harvesting plan);

(2) Existing baseline information on the ecosystems, habitats and communities in the fishing area, against which future changes are to be compared;

(3) Identification, description and mapping of VMEs known or likely to occur in the fishing area;

(4) Identification, description and evaluation of the occurrence, scale and duration of likely impacts, including cumulative impacts of activities covered by the assessment on VMEs;

(5) Consideration of VME elements known to occur in the fishing area;

(6) Data and methods used to identify, describe and assess the impacts of the activity, the identification of gaps in knowledge, and an evaluation of uncertainties in the information presented in the assessment;

(7) Risk assessment of likely impacts by the fishing operations to determine which impacts on VMEs are likely to be significant adverse impacts; and

(8) The proposed mitigation and management measures to be used to prevent significant adverse impacts on VMEs, and the measures to be used to monitor effects of the fishing operations.

24. EXPLORATORY FISHERY DATA COLLECTION FORM IN ANNEX I.E TO THE CEM, AS REFERRED TO IN ARTICLE 21(4)(A) OF REGULATION (EU) 2019/833

Exploratory Fishery Data Collection Form

A. Fishing Trip Information

Flag State		Vessel Name		Call Sign		Date of Encounter (ddmmyy)	

B. Gear and Fishing Information (use separate form for each gear).

Fishing Gear (e.g. trawl, gill net, hook and line, etc.)		Gear Details	Gear Type (e.g. bottom trawl, set gill net, etc.)	
			Gear Size (groundrope length, panel length, etc.)	
			Other Details (cod end mesh size, # of hooks, etc.)	

▼B

		hr.	min.		degrees		minutes		metres
Tow or Set Start:	GMT Time:			Latitude	N			Depth	
				Longitude	W				
Tow or Set End:	GMT Time:			Latitude	N			Depth	
				Longitude	W				

C. Catch Information

Live Corals total weight in the haul (kg) (*)		Live Sponges total weight in the haul (kg) (*)	

Organisms identified to the lowest taxonomic unit as possible (**)	Biological Samples Taken?		Biological samples of Vulnerable Indicator Species taken?		Total Weight (kg) in catch	Weight is estimate or actual? Tick one.	
Include fish and invertebrates	yes	no	yes	no		Act.	Est.

D. Comments

(*) Do not leave blank. Indicate zero catch if necessary
(**) Refer to Annex I of the *FAO International Guidelines for the Management of Deep-Sea Fisheries in the High Seas.* Also, use *NAFO Coral and Sponge Identification Guides* as appropriate.

▼B

25. FORMAT PRESCRIBED FOR LIST OF VESSELS IN ANNEX II.C1 TO THE CEM, AS REFERRED TO IN ARTICLE 22(1)(A) OF REGULATION (EU) 2019/833

Format for register of 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 Member State
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 vessels that may conduct fishing activities in NAFO RA
Vessel Name	NA	M	Name of the vessel
Radio Call Sign	RC	M	International radio call sign of the vessel
Flag State	FS	M	State where the vessel is registered
Internal Reference Number	IR	O ([1])	Unique Member State vessel number as ISO-3 flag State code followed by number
External Registration Number	XR	M	The side number of the vessel
Vessel IMO Number	IM	M	IMO number
Port Name	PO	M	Port of registration or home port
Vessel Owner	VO	M ([2])	Registered owner and address
Vessel Charterer	VC	M ([2])	Responsible for using the vessel
Vessel Type	TP	M	FAO vessel code (Annex II.I)
Vessel Gear	GE	O	FAO statistical classification of fishing gear (Annex II.J)
Vessel Tonnage measurement method tonnage	VT	M	Vessel tonnage capacity in pairs as needed 'OC' = 'OSLO' Convention 1947, 'LC''London' Convention ICTM-69 Total capacity in metric tons
Vessel length measurement method length	VL	M	Length in meters in pairs as needed 'OA' = overall; length in meters
Vessel Power measurement method power	VP	M	Engine power in pairs as needed in 'KW' PE = propulsion engine AE= Auxiliary summary engines Total installed engine power in vessel measured in 'KW'
End of record	ER	M	System detail; indicates end of the record

([1]) Mandatory when used as a single identification in other messages.
([2]) Whichever one is appropriate.

▼B

26. FORMAT PRESCRIBED FOR DELETION FROM THE LIST OF VESSELS IN ANNEX II.C2 TO THE CEM, AS REFERRED TO IN ARTICLE 22(1)(B) OF REGULATION (EU) 2019/833

Format for withdrawal of vessels from the register

Data Element	Code	Mandatory/ Optional	Remarks
Data Al			
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 Member State
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, 'WIT' as Withdrawal of notified vessels
Vessel Name	NA	M	Name of the vessel
Radio Call Sign	RC	M	International radio call sign of the vessel
Internal Reference Number	IR	O	Unique Member State vessel number as ISO-3 flag State code followed by number, if exists
External Registration Number	XR	M	The side number of the vessel
Vessel IMO Number	IM	M	IMO number
Start Date	SD	M	The first date as from which the withdrawal takes effect
End of record	ER	M	System detail; indicates end of the record

27. FORMAT SPECIFIED FOR INDIVIDUAL AUTHORIZATION FOR EACH VESSEL IN ANNEX II.C3 TO THE CEM, AS REFERRED TO IN ARTICLE 22(5)(A) OF REGULATION (EU) 2019/833

Format for authorization to conduct fishing activities

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 Member State
Record Number	RN	M	Message detail; message serial number in current year

▼B

Data Element	Code	Mandatory/ Optional	Remarks
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, 'AUT' as Authorization of vessels to conduct fishing activities in the NAFO RA
Vessel Name	NA	M	Name of the vessel
Radio Call Sign	RC	M	International radio call sign of the vessel
Internal reference Number	IR	O	Unique Member State vessel number as ISO-3 flag State code followed by number, if exists
External registration Number	XR	M	The side number of the vessel
Vessel IMO Number	IM	M	IMO number
Start Date	SD	M	License detail; date as from which the Authorization takes effect
End date	ED	O	License detail: Date on which the authorization go to the end. Maximum time validity is 12 months.
Targeted species and Area	TA	M (1)	License detail; species and area allowed for directed fishery. Regulated species of Annex I.A or I.B of the CEM must refer to the stock specification. For unregulated species use Sub Area or division or 'ANY'. Allow for several pairs of fields. e.g. //TA/GHL 3LMNO COD 3M RED 3LN RED 3M HER ANY//
End of record	ER	M	System detail; indicates end of the record

(1) For transport vessels the TA field is optional.

28. FORMAT PRESCRIBED FOR SUSPENSION OF THE AUTHORISATION IN ANNEX II.C4 TO THE CEM, AS REFERRED TO IN ARTICLE 22(5)(B) OF REGULATION (EU) 2019/833

Format to suspend the authorization to conduct fishing activities

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 Member State
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

▼B

Data Element	Code	Mandatory/ Optional	Remarks
Type of Message	TM	M	Message detail; message type, 'SUS' as Suspension of authorized vessels
Vessel Name	NA	M	Name of the vessel
Radio Call Sign	RC	M	International radio call sign of the vessel
Internal Reference Number	IR	O	Unique Member State vessel number as ISO-3 flag State code followed by number, if exists
External Registration Number	XR	M	The side number of the vessel
Vessel IMO Number	IM	M	IMO number
Start Date	SD	M	License detail; date as from which the Suspension takes effect
End of record	ER	M	System detail; indicates end of the record

29. LIST OF PRODUCT FORM PRESENTATION CODES IN ANNEX II.K TO THE CEM, AS REFERRED TO IN ARTICLE 24(1)(E) OF REGULATION (EU) 2019/833

Product Form Presentation 3-Alpha Codes

3-Alpha Code	Presentation	Description
CBF	Cod butterfly (escalado)	HEA with skin on, spine on, tail on
CLA	Claws	Claws only
DWT	ICCAT code	Gilled, gutted, part of head off, fins off
FIL	Filleted	HEA + GUT + TLD + bones off Each fish originates two fillets not joined by any par
FIS	Filleted and skinned fillets	FIL+SKI Each fish originates two fillets not joined by any part
FSB	Filleted with skin and bones	Filleted with skin and bones on
FSP	Filleted skinned with pinbone on	Filleted with skin removed and pinbone on
GHT	Gutted headed and tailed	GUH+TLD
GUG	Gutted and gilled	Guts and gills removed
GUH	Gutted and headed	Guts and head removed
GUL	Gutted liver in	GUT without removing liver parts
GUS	Gutted headed and skinned	GUH+SKI
GUT	Gutted	All guts removed
HEA	Headed	Heads off
HET	Headed and tailed	Heads and tails off

▼B

3-Alpha Code	Presentation	Description
JAP	Japanese cut	Transversal cut removing all parts from head to belly
JAT	Tailed Japanese cut	Japanese cut with tail removed
LAP	Lappen	Double fillet, HEA, skin + tails + fins ON
LVR	Liver	Liver only
OTH	Other	Any other presentation
ROE	Roe (s)	Roe(s) only
SAD	Salted dry	Headed with skin on, spine on, tail on and salted dry
SAL	Salted wet light	CBF + salted
SGH	Salted, gutted and headed	GUH + salted
SGT	Salted gutted	GUT + salted
SKI	Skinned	Skin off
SUR	Surimi	Surimi
TAL	Tail	Tails only
TLD	Tailed	Tail off
TNG	Tongue	Tongue only
TUB	Tube only	Tube only (Squid)
WHL	Whole	No processing
WNG	Wings	Wings only

30. MODEL FOR FISHING LOGBOOK IN ANNEX II.A TO THE CEM, AS REFERRED TO IN ARTICLE 25(2) OF REGULATION (EU) 2019/833

Recording of Catch (Logbook Entries)

FISHING LOGBOOK ENTRIES

Item of Information

(1) Vessel name

(2) Vessel nationality

(3) Vessel registration number

(4) IMO number

(5) Registration port

(6) Type of gear used (*1) (*2)

▼B

(7) Date of fishing activity (day/month/year: dd-mm-yyyy

(8) Start time of tow/set (UTC)

(9) Start position of each tow/set:

(a) Latitude

(b) Longitude

(c) Division

(d) Water depth

(10) End position of each tow/set:

(a) Latitude

(b) Longitude

(c) Division

(d) Water depth

(11) End time of each tow/set (UTC)

(12) Species names caught in each tow/set (Annex I.C)

(13) Disposition of each tow/set: (*3) (*4)

(a) Total catch of each species (kilograms live weight)

(b) Discards of each species (kilograms live weight)

(14) Were bycatch limits specified in Article 6.6 of the CEM exceeded? (Y/N)

(15) Was a trial tow conducted in accordance with Article 6.6 (iii) of the CEM conducted? (Y/N)

(16) Landings or Transhipments of catch from the Regulatory Area

(a) Quantity landed or transhipped of each species

(b) Place(s) of landing or transhipment

(c) Date(s) of landing or transhipment (day/month/year): dd-mm-yyyy)

(17) Master's signature

***Instructions**:*

(*1) When two or more types of gear are used in the same 24-hours period, records should be separate for the different types

(*2) Gears and attachments shall be identified by codes in Annex II.J of the CEM

(*3) Quantities shall be in kg live weight

(*4) Species shall be identified by the codes in Annex I.C of the CEM

▼M1

31. FORMAT FOR CATCH REPORT IN ANNEX II.D TO THE CEM REFERRED TO IN ARTICLE 25(6) AND (8) AND IN POINT (B) OF ARTICLE 26(9) OF REGULATION (EU) 2019/833

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 II.B, Rules on Confidentiality.

C. Format for electronic exchange of fisheries monitoring information

(The North Atlantic Format)

Category	Data Element	Field code	Type	Contents	Definitions
System	Start Record	SR			Indicates start of the record
Details	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 II.D.D(2)
Message	Address destination	AD	Char*3	ISO-3166 Address	Address of the party receiving the message, ‘XNW’ for NAFO
Details	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

▼M1

Category	Data Element	Field code	Type	Contents	Definitions
	Sequence Number	SQ	Num*6	NNNNNN	Serial number of messages sent from a vessel to the final destination (XNW). It is unique for each vessel for a calendar year. At the beginning of the current year this value will be reset to 1 for each vessel and will increment at the sending of each message.
	Record Number	RN	Num*6	NNNNNN	Serial number of records sent from the FMC to XNW. It is unique for each FMC for a calendar year. At the beginning of the current year this value will be reset to 1 and will increment at the sending of each record.
	Record Date	RD	Num*8	YYYYMMDD	Year, month and day in UTC from the FMC
	Record Time	RT	Num*4	HHMM	Hours and minutes in UTC from the FMC
	Date	DA	Num*8	YYYYMMDD	Year, month and day in UTC of first transmission. In cases of RET messages first transmission is from the FMC, in all other cases first transmission is from the vessel.
	Time	TI	Num*4	HHMM	Hours and minutes in UTC of first transmission. In cases of RET messages first transmission is from the FMC, in all other cases first transmission is from the vessel.
	Cancelled report	CR	Num*6	NNNNNN	Record Number of the record to be cancelled
	Year of the report cancelled	YR	Num*4	NNNN	Year in UTC of the report to be cancelled
Vessel	Radio Call Sign	RC	Char*7	IRCS Code	International Radio Call Sign of the vessel
Registration	Vessel name	NA	Char*30		Name of the vessel
Details	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 in accordance with registration

▼M1

Category	Data Element	Field code	Type	Contents	Definitions
	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
Vessel IMO Number	IMO Number	IM	Num*7	NNNNNNN	IMO ship identification number
Vessel Character. Details	Vessel Tonnage Unit	VT	Char*2 Num*4	'OC'/'LC' Tonnage	According to: 'OC' OSLO 1947 Convention/'LC' LONDON ICTM-69
	Vessel Power Unit	VP	Char*2 Num*5	0-99999	Total main engine power in 'KW'
	Vessel Length	VL	Char*2 Num*3	'OA' Length in meters	Unit 'OA' length overall. Total length of the vessel in meters, rounded to the nearest whole meter
	Vessel Type	TP	Char*3	Code	As listed in Annex II.I
	Fishing Gear	GE	Char*3	FAO Code	International Standard Statistical Classification of the Fishing Gear as Annex II.J
Authorization details	Start Date	SD	Num*8	YYYYMMDD	Licence detail; date on which the authorization starts
	End Date	ED	Num*8	YYYYMMDD	Licence detail; date on which the authorization ends
	Targeted species and Area	TA	Char*3 Char*10	Stock specifications, FAO Species code and NAFO defined area code or 'ANY'	Species and area allowed for directed fishery. Regulated species of Annex I.A or I.B must refer to the stock specification. For unregulated species use Sub Area or division or 'ANY'. Allow for several pairs of fields. e.g.//TA/GHL 3LMNO COD 3M RED 3LN RED 3M HER ANY//
Activity Details	Latitude	LA	Char*5	NDDMM (WGS-84)	e.g.//LA/N6235 = 62°35′ North
	Longitude	LO	Char*6	E/WDDDMM (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 ([1]) (WGS84)
	Longitude (decimal)	LG	Char*8	+/-DDD.ddd	Value negative if longitude is in the western hemisphere ([1]) (WGS84)
	Trip Number	TN	Num*3	001-999	Number of the fishing trip in current year

▼M1

Category	Data Element	Field code	Type	Contents	Definitions
	Catch Species Quantity	CA	Char*3 Num*7	FAO species code 0-9999999	Daily catch by species and by Division, retained on board, in kilograms live weight
	Quantity onboard Species Quantity	OB	Char*3 Num*7	FAO species code 0-9999999	Total quantity by species on board the vessel at the moment of sending the hail message concerned in kilograms live weight
	Discard Species Quantity	RJ	Char*3 Num*7	FAO species code 0 – 9999999	Catch discarded by species and by Division in kilograms live weight
	Undersize Species Quantity	US	Char*3 Num*7	FAO species code 0 – 9999999	Undersize catch by species and by Division in kilograms live weight
	Transferred species Species Quantity	KG	Char*3 Num*7	FAO species code 0-9999999	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.
	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 for which the vessel directed as per Article 5.2. Allow for several species, separated by a space. e.g.//DS/species species species//
	Observer on board	OO	Char*1	Y or N	Presence of a compliance observer on board
	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

▼M1

Category	Data Element	Field code	Type	Contents	Definitions
	Port Name	PO	Char*20		Name of the actual port of landing
	Speed	SP	Num*3	Knots*10	e.g.//SP/105 = 10.5 knots
	Course	CO	Num*3	360° degree scale	e.g.//CO/270 = 270
	Chartering Flag Catches	CH	Char*3	ISO-3166	Flag of Chartering Contracting Party
	Area of Entry	AE	Char*6	ICES/NAFO Codes	NAFO Division entering into
	Days fished	DF	Num*3	1-365	Number of days the vessel spent in the fishing zone during the trip.
	Apparent Infringement	AF	Char*1	Y or N	For onboard observer to report his observations
	Mesh Size	ME	Num*3	0 – 999	Average mesh size in millimetres
	Production	PR	Char*3	Code	Code for the production Annex II.K
	Logbook	LB	Char*1	Y or N	For onboard observer to confirm the entries in the vessels logbook
	Hails	HA	Char*1	Y or N	For onboard observer to confirm 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

([1]) 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 II.E and Annex II.F 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 28 and 29; subject to the following amendments:

(a) the address (AD) shall be replaced by the address of the Secretary (XNW)

(b) 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.

▼M1

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 Numbers			Error Cause
	Rejected (NAK) Follow up action required	**Accepted and Stored (ACK)** Follow up action required	**Accepted and Stored (ACK)** with warning	
Communication	101			Message is unreadable
	102			Data value or size out of range
	104			Mandatory data missing
	105			This report is a duplicate; attempt to re-send a report previously rejected
	106			Unauthorized data source
			150	Sequence error

▼M1

Subject/Article	Errors Numbers			Error Cause
	Rejected (NAK) Follow up action required	**Accepted and Stored (ACK)** Follow up action required	**Accepted and Stored (ACK)** with warning	
			151	Date/Time in the future
			155	This report is a duplicate; attempt to re-send a report previously accepted
Article 25			250	Attempt to re-Notify a vessel
		251		Vessel is not Notified
		252		Species not AUT or SUS
Article 28		301		Catch prior to Catch on Entry
		302		Transhipment prior to Catch on Entry
		303		Catch on Exit prior to Catch on Entry
		304		No position received (CAT, TRA, COX)
			350	Position without Catch on Entry

E. Types of reports and messages

Annex	Provisions	Code	Message/ Report	Remarks
II.C	Article 25.1a	NOT	Notification	Notification of fishing vessels
II.C	Article 25.1b	WIT	Withdrawal	Notification of the withdrawal of a registered vessel
II.C	Article 25.5a	AUT	Authorization	Notification of vessels authorized to conduct fishing activities in the R.A.
II.C	Article 25.5b	SUS	Suspension	Notification of the suspension of an authorization to conduct fishing activities in the Regulatory Area, within its initial period of validity
II.E	Article 29.2	ENT POS EXI	Entry Position Exit	VMS messages
	Article 29.8	MAN	Manual position	Reports transmitted by fishing vessels with a defective satellite tracking device to the Contracting Party

▼M1

Annex	Provisions	Code	Message/ Report	Remarks
II.F	Article 28.6(a)	COE	Catch on Entry	Report transmitted by fishing vessels, prior to entering the R.A.
	Article 28.6(c)	CAT	Catch	Catch report daily, for all species by Division
	Article 28.6(d)	COB	Cross boundary	Catch report prior to crossing boundary to 3L
	Article 28.6(e)	TRA	Transhipment	Report on quantities on-loaded or off-loaded in the R.A.
	Article 28.6(f)	POR	Port of Landing	Report on catch onboard and weight to be landed
	Article 28.6(b)	COX	Catch on Exit	Report transmitted by fishing vessels, prior to leaving the R.A.
	Article 28.6	CAN	Cancel	Report for cancellation of a report set out in the Article 28.6
II.D.D	Article 29.10(a) Article 28.9(c)	RET	Return	Automatic electronic message in accordance with reception of records
II.G.	Article 30.14(e)	OBR	Observer	Daily Observer report

32. FORMAT FOR CANCELLATION OF CATCH REPORT IN ANNEX II.F TO THE CEM REFERRED TO IN ARTICLE 25(6) AND (7) OF REGULATION (EU) 2019/833

‘CANCEL’ report

Format specifications when sending reports from FMC to NAFO (XNW) see also Annex II.D.A, II.D.B, II.D.C and II.D.D.1

Data Element	Field Code	Mandatory/ Optional	Requirements for the field
Start record	SR	M	System detail; indicates start of record
From	FR	M	Message detail; Address of the transmitting party (ISO-3)
Address	AD	M	Message detail; destination, ‘XNW’ for NAFO
Record Number	RN	M	Message detail; Unique serial number starting at 1 each year for records sent from the FMC to (XNW) (See also Annex II.D.C)
Record Date	RD	M	Message detail; Year, month and day in UTC of the record transmission from the FMC
Record Time	RT	M	Message detail; Hours and minutes in UTC of the record transmission from the FMC

▼M1

Data Element	Field Code	Mandatory/ Optional	Requirements for the field
Type of Message	TM	M	Message detail; message type, 'CAN (1)' as Cancel report
Radio call sign	RC	M	Vessel registration detail; international radio call sign of the vessel
Cancelled report	CR	M	Message detail; the record number of the report to be cancelled
Year of the report cancelled	YR	M	Message detail; year of the report to be cancelled
Date	DA	M	Message detail; UTC date of transmission of this report from the vessel (2)
Time	TI	M	Message detail; UTC time of transmission of this report from the vessel (2)
End of record	ER	M	System detail; indicates end of the record

(1) Cancel report should not be used to cancel other Cancel report.
(2) If the report is not sent from a vessel the time will be from the FMC and be the same as RD, RT.

▼B

33. ANNEX II.N TO THE CEM, AS REFERRED TO IN ARTICLE 25(9)(B) OF REGULATION (EU) 2019/833

Fishing Logbook Information by Haul

Flag State	Vessel Call sign	Haul #	Gear Type	NAFO Div.	Start Year (YYYY)	Start Month (MM)	Start Day (DD)	Start Latitude (Decimal Degrees)	Start Longitude (Decimal Degrees)	Start Depth (m)	Start Time UTC (HHMM)	End Year (YYYY)	End Month (MM)	End Day (DD)	End Latitude (Decimal Degrees)	End Longitude (Decimal Degrees)	End Depth (m)	End Time UTC (HHMM)	Species (FAO 3-alpha Species Code)	Retained (LW kg)	Discarded (LW kg)	Comments

▼B

34. FORMAT FOR DATA EXCHANGE IN ANNEX II.E TO THE CEM, AS REFERRED TO IN ARTICLE 26(9)(B) OF REGULATION (EU) 2019/833

VMS Data Format

'Entry', 'Position' and 'Exit' messages

Format specifications when sending reports from FMC to NAFO (XNW) see also Annex II.D.A, II.D.B, II.D.C and II.D.D.1of the CEM

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	Message detail; Name of transmitting Party (ISO-3)
Record Number	RN	M	Message detail; Unique serial number starting at 1 each year for records sent from the FMC to (XNW) (See also Annex II.D.C)
Record Date	RD	M	Message detail; Year, month and day in UTC of the record transmission from the FMC
Record Time	RT	M	Message detail; Hours and minutes in UTC of the record transmission from the FMC
Type of Message	TM	M	Message detail; message types, ENT, POS or EXI i. 'ENT', for first VMS position transmitted by each vessel upon entering the Regulatory Area as detected by the FMC of the Contracting Party; ii. 'POS', for every subsequent VMS position transmitted by each vessel from within the Regulatory Area; iii. 'EXI', for first VMS position transmitted by each vessel upon exiting the Regulatory Area as detected by the FMC of the Contracting Party;
Radio call sign	RC	M	Vessel registration detail; international radio call sign of the vessel
Sequence Number	SQ	O	Message detail; Unique serial number starting at 1 each year for messages sent from a vessel to final destination (XNW) (See also Annex II.D.C)
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 Member State 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 (decimal)	LT	M ([1])	Activity detail; Latitude at the fixing of the position transmitted from the vessel

▼B

Data Element	Field Code	Mandatory / Optional	Remarks
Longitude (decimal)	LG	M ([1])	Activity detail; Longitude at the fixing of the position transmitted from the vessel
Speed	SP	M	Activity detail; Speed at the fixing of the position transmitted from the vessel
Course	CO	M	Activity detail; Course at the fixing of the position transmitted from the vessel
Date	DA	M	Message detail; UTC date of the fixing of the position transmitted from the vessel
Time	TI	M	Message detail; UTC time of the fixing of the position transmitted from the vessel
End of record	ER	M	System detail; indicates end of the record

([1]) Optional for 'EXI' messages.

'Manual' Position Report

Format specifications when sending reports from FMC to NAFO (XNW)
see also Annex II.D.A, II.D.B, II.D.C and II.D.D.1

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	Message detail; Name of transmitting Party (ISO-3)
Record Number	RN	M	Message detail; Unique serial number starting at 1 each year for records sent from the FMC to (XNW) (See also Annex II.D.C)
Record Date	RD	M	Message detail; Year, month and day in UTC of the record transmission from the FMC
Record Time	RT	M	Message detail; Hours and minutes in UTC of the record transmission from the FMC
Type of Message	TM	M	Message detail; message type; 'MAN' for reports communicated by vessels with a defective satellite tracking device in accordance with Article 29.8. of the CEM
Radio call sign	RC	M	Vessel registration detail; international radio call sign of the vessel
Sequence Number	SQ	O	Message detail; Unique serial number starting at 1 each year for messages sent from a vessel to final destination (XNW) (See also Annex II.D.C)
Trip Number	TN	O	Activity detail; fishing trip serial number in current year
Vessel Name	NA	O	Vessel registration detail; name of the vessel

▼B

Data Element	Field Code	Mandatory / Optional	Remarks
Contracting Party Internal Reference Number	IR	O	Vessel registration detail. Unique Member State 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	Activity detail; Latitude at the fixing of the position transmitted from the vessel
Longitude	LO	M	Activity detail; Longitude at the fixing of the position transmitted from the vessel
Speed	SP	M	Activity detail; Speed at the fixing of the position transmitted from the vessel
Course	CO	M	Activity detail; Course at the fixing of the position transmitted from the vessel
Date	DA	M	Message detail; UTC date of the fixing of the position transmitted from the vessel
Time	TI	M	Message detail; UTC time of the fixing of the position transmitted from the vessel
End of record	ER	M	System detail; indicates end of the record

▼M1

35. OBSERVER REPORT IN ANNEX II.M TO THE CEM REFERRED TO IN POINT (A) OF ARTICLE 27(11) REGULATION (EU) 2019/833

Standardised Observer Report Template

Part 1. A – Fishing Vessel – Fishing Trip and Observer Information

Fishing Vessel information	
Vessel Name	
Vessel Radio Call Sign	
Flag State	
External Registration number	
Vessel IMO number	
Vessel Length (m)	
Vessel Gross Tonnage	
Engine Power (indicate HP or KW)	
Vessel Type	
Total Frozen Hold Capacity (m^3)	
Fish Meal Hold Capacity (m^3)	
Other Hold Capacity (m^3)	

▼M1

Trip information	
Fishing Master's Name	
Trip Number	
Number of Crew	
Directed Species	
Date of Entry into NRA (ENT)	
Date of Exit from NRA (EXI)	
NAFO Division/s visited	
Other Area/s visited	
Transhipment	
Port of Landing	

Observer information	
Observer's Name	
Observation Date Started	
Observation Date Ended	
Date of Report	

Comments

▼M1

Part 1.B – Fishing Gear Information

Trawl Gear																				
Gear	Gear Type	Gear Make	Mesh Size (mm)												Measured by observer/ inspector/ master	Date measured	Attachments	Grate Spacing	Straps (Describe)	Comments
			Wings			Body			Lengthening Piece			Codend								
			High	Low	Average	High	Low	Average	High	Low	Average	High	Low	Average						
1																				
2																				
3																				

Longline												
Gear	Gear Type	Total Length	Hooks				Buoys	Anchors	Main line material	Bait line material	Comments
			Number	Average spacing (m)	Hook type	Hook size	Marked yes/no	Number			
1											
2											
3											
…											

▼M1

Part 2. Catch and effort information by tow/set/

Tow/Set	Gear type	STARTS (*)						FINISH (*)						Duration (**)	Species (FAO 3-alpha Species Code (***))	Directed Species (yes or no)	Product Form	Observers Estimates		
		NAFO Division	Latitude (decimal)	Longitude (decimal)	Depth (m)	Time (UTC) (HHMM)	Date (YYYYMMDD)	NAFO Division	Latitude (decimal)	Longitude (decimal)	Depth (m)	Time (UTC) (HHMM)	Date (YYYYMMDD)					Observer Conversion Factor Used	Retained (kg live weight)	Discarded (kg live weight)
1																				
2																				
3																				
…																				

(*) In the case of trawl fisheries, start is the time at the end of setting, finish is the time at the start of gear retrieval. In any other case, start is the time at the start of gear setting, finish is the end of gear retrieval.
(**) Decimal hours. In the case of trawl fisheries, the time from the end of setting to the start of gear retrieval. In any other case, the time from the start of gear setting to the end of retrieval.
(***) Including VMEs indicators

Vessel Fishing Logbook			Vessel Production Logbook	Discrepancy Identified? (yes/no)	Discrepancy Details	Comments
Vessel Conversion Factor Used	Retained (kg live weight)	Discarded (kg live weight)	Retained (kg)			

▼M1

Part 3. Compliance Information

Enter observation on:

Observations	Details
Any instance of obstruction, intimidation, interference with or otherwise prevention of the observer from performing his/her duties.	
Discrepancies between stowage and stowage plan (As Art 30.14.b)	
Functioning of the satellite tracking device (report all interruptions, interference and malfunctions)	
Transshipments (report all)	
Undersized fish catches	
At-Sea Inspections (report dates, times and any other observation)	
Any other observation	

Part 4. Effort and Catch Summary

4A. **Effort Summary**

Effort Summary Table

NAFO Division	Gear Type	Directed Species (-*)	Date		Number of Tow/sets	Depth (m)		Hours fished (**)	Fishing Days (***)
			Start	Finish		Minimum	Maximum		

(*) As per CEM Article 5.2
(**) In the case of trawl fisheries, fishing time is the time from the end of setting to the start of gear retrieval. In any other case, fishing time is the time from the start of gear setting to the end of retrieval. Summed haul duration for all hauls in the listed division, by gear type and directed species
(***) As per CEM Article 1.6

Comments	
1	On Fishing activity by Division
2	On Data Communication
3	On Mesh sizes
4	Other issues

▼M1

4B. **Catch Summary**

Trip Catch Summary (catch by Division and Species)

		Observer Estimates			Recorded in the Fishing Logbook		
Species (FAO 3-alpha Species Code	**Division**	**Retained (kg live weight)**	**Discarded (kg live weight)**	**Total (kg live weight)**	**Retained (kg live weight)**	**Discarded (kg live weight)**	**Total (kg live weight)**
Total							

Comments	
1	On composition of catch and sizes
2	On discrepancies with the fishing logbook entries
3	On discards
4	Other issues

Part 5. Catch of Greenland Shark Information by Haul

Tow/Set Number	**Total Number of Sharks**	**Shark Number**	**Estimated Weight (kg live weight)**	**Length**	**Length Measured or Estimated?**	**Sex**	**Catch Disposition (Alive, Dead, Unknown)**	**Comments**

▼M1

Part 6. Length Frequency Form

Observer's Name					
Vessel Call Sign					
Trip Number					

Year					
Month					
Day					
Gear number					
Tow/Set Number					
Species 3 alpha code					
Catch weight (kg live weight)					
Sample Type (discard, retained, mix)					

Sample Weight in kg live weight					
Min Size					
Max Size					
Sex					
Total Number of Samples (n=)					
Meas. Convention (TL, SL, FL, etc.)					
Measure Type					
Unit (mm or cm)					
Comments					

Size between	Number	Number	Number	Number	Number
9.5-10.0					
10.0-10.5					
10.5-11.0					
11.0-11.5					
11.5-12.0					
12.0-12.5					
12.5-13.0					
…					
…					
…					
97.0-97.5					

▼M1

Size between	Number	Number	Number	Number	Number
97.5-98.0					
98.0-98.5					
98.5-99.0					
99.0-99.5					
99.5-100.0					
100.0-100.5					
…					

36. REPORT IN ANNEX II.G TO THE CEM TRANSMITTED DAILY BY THE OBSERVER AS REFERRED TO IN POINT (C) OF ARTICLE 27(11) OF REGULATION (EU) 2019/833

Observer Report

Data Element	Code	Mandatory/ Optional	Requirements for the field
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 [1]	Activity detail; FAO code for fishing gear
Directed Species	DS	M [1]	Activity detail; FAO species code for each directed species since the last OBR report
Mesh Size	ME	M [1]	Activity detail; average mesh size in millimetres
Relevant Area	RA	M	Activity detail; NAFO Division
Daily Catches species live weight	CA	M M	Activity detail; catch retained on board by species and by Division since last OBR report in kilograms rounded to the nearest 100 kilograms. Allow for several pairs of fields, consisting of species (FAO 3 alpha codes) + live weight in kilograms (until 9 digits), with each field separated by a space, e.g. //CA/speciesspaceweightspacespeciesspaceweightspaces-peiesspaceweight//

▼M1

Data Element	Code	Mandatory/ Optional	Requirements for the field
Discarding species live weight	RJ	M (1)	Activity detail; Catch discarded by species and by Division since last OBR report, in kg rounded to the nearest 100 kg. Allow for several pairs of fields, consisting of species (FAO 3 alpha codes) + live weight in kilograms (until 9 digits), with each field separated by a space, e.g. //RJ/speciesspaceweightspacespeciesspaceweightspacespeciesspaceweight//
Undersize (6) species live weight	US	M (1)	Activity detail; Undersize catch by species and by Division since last OBR report, in kg rounded to the nearest 100 kg. Allow for several pairs of fields, consisting of species (FAO 3 alpha codes) + live weight in kilograms (until 9 digits), with each field separated by a space, e.g. //US/speciesspaceweightspacespeciesspaceweightspacespeciesspaceweight//
Logbook	LB	M	Activity detail; 'Yes' or 'No' (2)
Hails	HA	M	Activity detail; 'Yes' or 'No' (3)
Apparent Infringements	AF	M	Activity detail; 'Yes' or 'No' (4)
Observer Name	ON	M	Message detail; name of the observer signing the report
Date	DA	M	Message detail; date of transmission of this report
Free Text	MS	O (5)	Activity detail; for further comments by the observer
Time	TI	M	Message detail; time of transmission of this report
End of record	ER	M	System detail; indicates end of the record

(1) Only to be transmitted if relevant.
(2) 'Yes' if the observer confirms the Logbook entries have been made in accordance with the CEMs.
(3) 'Yes' if the observer confirms the reports required under Article 13.11, 13.12, and 28.6 have been transmitted in accordance with the CEMs.
(4) 'Yes' if the observer detects a discrepancy with the CEMs.
(5) Mandatory if 'LB' = 'No', or 'HA' = 'No', or 'AF' = 'Yes'.
(6) Discarded undersized catch reported in the US field should also be included in the quantities expressed in the Discarding (RJ) field.

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37. RULES ON CONFIDENTIALITY IN ANNEX II.B TO THE CEM, AS REFERRED TO IN ARTICLE 28(10) AND ARTICLE 43 OF REGULATION (EU) 2019/833

Rules on Confidentiality

PROVISIONS ON SECURE AND CONFIDENTIAL TREATMENT OF ELECTRONIC REPORTS AND MESSAGES TRANSMITTED IN ACCORDANCE WITH ARTICLES 28-29 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 in accordance with Articles 28-29 of the CEM, hereinafter referred to as 'reports and messages'.

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(2) **General Provisions**

(a) 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.

(b) The Executive Secretary informs all Contracting Parties of the measures taken in the Secretariat to comply with these security and confidentiality provisions.

(c) The Executive Secretary takes all the necessary steps to ensure that the requirements pertaining to the deletion of reports and messages handled by the Secretariat are complied with.

(d) Member States 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 CEM.

(e) Notwithstanding the provisions in Article 29.10(b)-(d) of the CEM, the NAFO Commission may instruct the Executive Secretary not to make available the reports and messages received under Article 28 and 29 of the CEM to a Contracting Party where it is established that the Member State in question has not complied with these security and confidentiality provisions.

(3) **Provisions on Confidentiality**

(a) Reports and messages shall be used only for the purposes stipulated in the CEM. 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 CEM.

(b) Each inspecting Member State 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.

(c) The Executive Secretary deletes 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.

(d) The Executive Secretary does not make available reports and messages to other parties than those specified explicitly in Article 29.10(b)-(d) of the CEM.

(e) Inspecting Member State 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.

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(4) **Provisions on security**

(a) **Overview**

Inspecting Member State, the Commission (or the body designated by the Commission) 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. Member State, the Commission (or the body designated by the Commission), 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.

(b) **System Access Control**

For their main computer systems the Member State 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:

▼B

— 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.

(c) **Authenticity and Data Access Security**

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

(d) **Communication Security**

Appropriate encryption protocols duly tested by the Secretariat and approved by the NAFO Commission shall be applied to ensure confidentiality and authenticity. Key management policy shall be in place to support the use of cryptographic techniques. In particular, the integrity of the PKI (public key infrastructure) will be guaranteed by ensuring that digital certificates correctly identify and validate the party submitting the information.

(e) **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.

(f) **Security Procedures**

Each Member State, the Commission (and body designated by the Commission) 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.

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38. SURVEILLANCE REPORT FORM IN ANNEX IV.A TO THE CEM, AS REFERRED TO IN ARTICLE 30(1)(A) AND ARTICLE 45(A) OF REGULATION (EU) 2019/833

Surveillance Report Form

1. **OFFICIAL**

Name	
Document Identity	
Contracting Party	

2. **CONTEXT OF SIGHTING**

Aerial sightings	**Identification/Call Sign of the Surveillance aircraft**	
	Patrol commenced in NRA at position	**(Lat/Long)**
		(date/time UTC)
	Patrol terminated in NRA at position	**(Lat/Long)**
		(date/time UTC)
	Equipment used in Determining Position	
	Weather Conditions	**Wind Direction/Speed**
		Sea State
		Visibility

Non-aerial sightings	**Port/place of First Identification**	**(Lat/Long)**
	Position when First Identification	
	Date/Time-UTC of First Identification	

3. **VESSEL SIGHTED**

Member State	
Vessel Name, International Radio Call Sign (IRCS), Side Number, IMO Number	
Other Identification Features (Type of vessel, Color of hull, Superstructure, etc.)	
Vessel Activity	
Fishing Gear used	
Course and Speed	

▼B

4. **DETAILS OF IMAGES RECORDED (must be provided consistent with the CEM)**

Image Number	Date and Time	Position	Fishing Vessel Activity	Comments
1.				
2.				
3.				

5. **DETAILS OF OBSERVATIONS**

Reason for suspecting an offense to the NAFO CEM	
Method used to evaluate the volume of catch observed	
Method used to evaluate the catch composition observed	
Other	

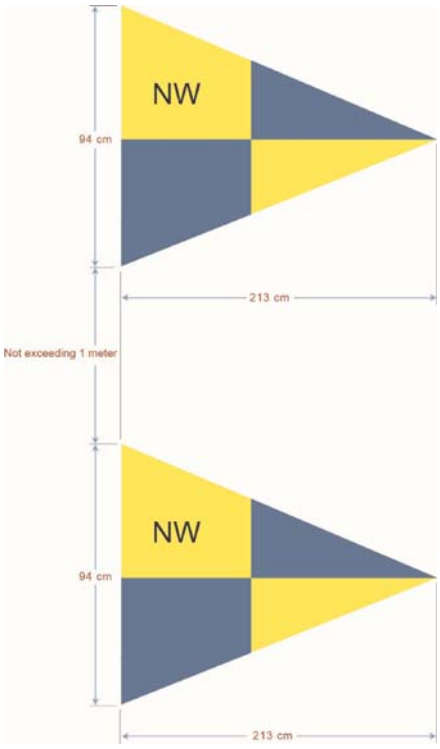
Date

Name of Official:

Signature of the official

39. IMAGE OF PENNANT IN ANNEX IV.E TO THE CEM, AS REFERRED TO IN ARTICLE 31(B) OF REGULATION (EU) 2019/833

NAFO Inspection Pennants



▼B

Legend:

— Not exceeding 1 meter

Pennants to be displayed by a NAFO inspection vessel. A boarding vessel shall display one pennant, which may be half-size.

40. RULES ON PROVISION OF BOARDING LADDER IN ANNEX IV.G TO THE CEM, AS REFERRED TO IN ARTICLE 32(C) OF REGULATION (EU) 2019/833

Construction and Use of Boarding Ladders

(1) A boarding ladder shall be provided which shall be efficient for the purpose of enabling inspectors to embark and disembark safely at-sea. The boarding ladder shall be kept clean and in good order.

(2) The ladder shall be positioned and secured so that:

(a) it is clear of any possible discharges from the vessel;

(b) it is clear of the finer lines and as far as practicable in the midlength of the vessel;

(c) each step rests firmly against the vessel's side.

(3) The steps of the boarding ladder shall:

(a) be of hardwood or other material of equivalent properties, made in one piece free of knots; the four lowest steps may be made of rubber of sufficient strength and stiffness, or of other suitable material of equivalent characteristics;

(b) have an efficient non-slip surface;

(c) be not less than 480 mm long, 115 mm wide, and 23 mm in thickness, excluding any non-slip device or grooving;

(d) be equally spaced not less than 300 mm or more than 380 mm apart;

(e) be secured in such a manner that they will remain horizontal.

(4) No boarding ladder shall have more than two replacement steps which are secured in position by a method different from that used in the original construction of the ladder and any steps so secured shall be replaced, as soon as reasonably practicable, by steps secured in position by the method used in the original construction of the ladder. When any replacement step is secured to the side ropes of the boarding ladder by means of grooves in the side of the step, such grooves shall be in the longer sides of the steps.

(5) The side ropes of the ladder shall consist of two uncovered manila or equivalent ropes not less than 60 mm in circumference on each side; each rope shall be left uncovered by any other material and be continuous with no joints below the top step; two main ropes, properly secured to the vessel and not less than 65 mm in circumference, and a safety line shall be kept at hand ready for use if required.

(6) Battens made of hardwood, or other material of equivalent properties, in one piece, free of knots and between 1,8 and 2 m long, shall be provided at such intervals as will prevent the boarding ladder form twisting. The lowest batten shall be on the fifth step from the bottom of the ladder and the interval between any batten and the next shall not exceed nine steps.

▼B

(7) Means shall be provided to ensure safe and convenient passage for inspectors embarking on or disembarking from the vessel between the head of the boarding ladder or of any accommodation ladder or other appliance provided. Where such passage is by means of a gateway in the rails or bulwark, adequate handholds shall be provided. Where such passage is by means of a bulwark ladder, such ladder shall be securely attached to the bulwark rail or platform and two handhold stanchions shall be fitted at the point of boarding or leaving the vessel not less than 0,70 m or more than 0,80 m apart. Each stanchion shall be rigidly secured to the vessel's structure at or near its base and also at a higher point, shall be not less than 40 mm in diameter, and shall extend not less than 1,20 m above the top of the bulwark.

(8) Lighting shall be provided at night so that both the boarding ladder overside and also the position where the inspector boards the vessel shall be adequately lit. A lifebuoy equipped with a self-igniting light shall be kept at hand ready for use. A heaving line shall be kept at hand ready for use if required.

(9) Means shall be provided to enable the boarding ladder to be used on either side of the vessel. The inspector in charge may indicate which side he would like the boarding ladder to be positioned.

(10) The rigging of the ladder and the embarkation and disembarkation of an inspector shall be supervised by a responsible officer of the vessel. The responsible officer shall be in radio contact with the bridge.

(11) Where on any vessel constructional features such as rubbing bands would prevent the implementation of any of these provisions, special arrangements shall be made to ensure that inspectors are able to embark and disembark safely.

▼M1

41. INSPECTION REPORT IN ANNEX IV.B TO THE CEM REFERRED TO IN ARTICLE 33(1), POINT (A) OF ARTICLE 34(2) AND POINT (D) OF ARTICLE 45 OF REGULATION (EU) 2019/833

Report of Inspection

THE NORTHWEST ATLANTIC FISHERIES ORGANIZATION

(Inspector: Please use CAPITAL BLOCK LETTERS in BLACK PEN)

(1) INSPECTION VESSEL

1.1 NAME		1.2 REGISTRATION	
1.3 International Radio Call Sign (IRCS)		1.4 Port of registry	

(2) INSPECTORS (Note if Trainee)

NAME	CONTRACTING PARTY

▼M1

(3) INFORMATION ON VESSEL INSPECTED

Contracting Party and Port of Registry				
Vessel name		Radio Call Sign		
External number		IMO Number		
Master's Name				
Master's Address (only for infringement)				
Owner's name and address				
Inspection Vessel Time/Position	UTC	Lat	Long	Division
Inspected Vessel Time/ Position	UTC	Lat	Long	

(4) DATE OF LAST SEA INSPECTION

DATE	

(5) DATE AND TIME OF CURRENT INSPECTION

DATE		TIME OF ARRIVAL ON BOARD	UTC

(6) VERIFICATION

Vessel Documentation	Checked Y/N		
Certified Drawings or description of fish room and freezers kept on board	Checked Y/ N	Date of Certifi- cation	
Daily Stowage Plan conforms to Article 28.5	Checked Y/N		

(7) RECORDING OF FISHING EFFORT AND CATCHES

Fishing Logbook	Checked Y/N	Electronic/ Paper
Production Logbook	Checked Y/N	Electronic/ Paper
Are recordings made in accordance with Article 28 & Annex II.A	Checked Y/N	
If not, indicate the inaccurate or missing recording(s)		

(8) OBSERVER INFORMATION

Is there a notified Observer present on the vessel	Y/N
Observer's name	
Observer Contracting Party	

▼**M1**

(9) MESH MEASUREMENT – IN MILLIMETERS

Gear Type																						
Codend (inclusive of lengthener(s), if any)																					Average Width	Legal Size
1st Net																						
2nd Net																						
Chafer – Samples of meshes																						
1st Net																						
2nd Net																						
Rest of Net																						
1st Net																						
2nd Net																						

(10) SUMMARY OF CATCHES FROM LOGBOOKS FOR THE CURRENT FISHING TRIP

Days in NAFO RA						
Date of entry into RA/Division	Division	Fish species (3-alpha code)	Catch (metric tonnes)	Conversion factor(s)	Product Form(s)	Discards

▼M1

Days in NAFO RA						
Date of entry into RA/Division	Division	Fish species (3-alpha code)	Catch (metric tonnes)	Conversion factor(s)	Product Form(s)	Discards

(11) RESULT OF INSPECTION OF FISH

11.1. Catches Observed IN THE LAST TOW (if appropriate)

Duration of the tow		Depth of tow	
Total tonnes	All species taken	Percentage of each	

11.2. Catches ON BOARD

Inspectors Estimate (tonnes)	

Inspectors comments on how estimate was calculated:

Labelling Correct?	Yes/No

(12) RESULT OF INSPECTION OF FISH ON BOARD

12.1. Difference from Logbooks

Comment 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

12.2. Infringements

CEM REFERENCE	**NATURE OF INFRINGEMENTS**

Comments:

I acknowledge being informed about the alleged infringements and, if applicable, the placement of seals to secure evidence DATE:
SIGNATURE of MASTER

▼M1

(13) COMMENTS AND OBSERVATIONS (additional pages can be added as necessary)

Documents inspected following an infringement
Comments, statements and/or observations by Inspector(s)
Statement of Master's witness(es)
Statements of Second Inspector or Witness

(14) SIGNATURE OF INSPECTOR IN CHARGE

(15) NAME AND SIGNATURE OF SECOND INSPECTOR OR WITNESS

(16) NAME AND SIGNATURE OF MASTER'S WITNESS(ES)

(17) DATES AND TIMES OF INSPECTION CONCLUSION AND OF DEPARTURE

INSPECTION CONCLUSION			
DATE		TIME	UTC

DEPARTURE			
DATE		TIME	UTC
POSITION	Lat	Long	

(18) ACKNOWLEDGEMENT AND RECEIPT OF REPORT BY THE MASTER (additional pages can be added as necessary)

Comments by the Master of vessel
I, the undersigned, Master of the vessel., hereby confirm that a copy of this report has been delivered to me on this date. My signature does not constitute acceptance of any part of the contents of the report.

DATE	SIGNATURE

▼B

42. NAFO INSPECTION SEAL IN THE ANNEX IV.F TO THE CEM, AS REFERRED TO IN ARTICLE 34(1)(D) OF REGULATION (EU) 2019/833

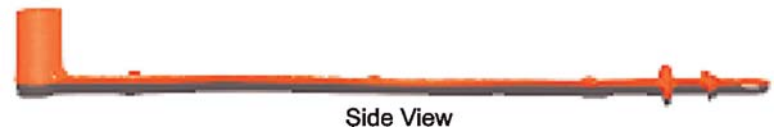
NAFO Inspection Seal



NAFO Inspection Seal



Top View



Side View

▼B

Legend:

— NAFO Inspection Seal

— Top View

— Side View

The NAFO Inspection Seal shall be as follows:

Name NAFO INSPECTION SEAL

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 (t° 20°C)

43. PORT STATE CONTROL PRIOR REQUEST FORM IN ANNEX II.L TO THE CEM, AS REFERRED TO IN ARTICLE 39(8), ARTICLE 39(13)(A)(III), ARTICLE 40(2) AND ARTICLE 41(1) AND (2) OF REGULATION (EU) 2019/833

Port State Control Prior Request Forms

A-PSC-1

PORT STATE CONTROL FORM — PSC 1							
PART A: To be completed by the Master of the Vessel. Please use black ink							
Name of Vessel:	IMO Number: ([1])		Radio Call Sign:		Flag State:		
Email Address:	Telephone Number:		Fax Number:		Inmarsat Number:		
Vessel master's name:	Vessel master's nationality:		Vessel owner:		Certificate of Registry ID:		
Vessel dimensions	Length (m):		Beam (m):		Draft (m):		
Port State:			Port of Landing or Transhipment:				
Reason for Port Entry	Landing: (y/n)		Trans-hipment: (y/n)		Other: (y/n)		
Last port of call:			Date:				
Estimated Date of Arrival:			Estimated Time (UTC) of Arrival:				
Frozen products only		Fresh products only		Fresh and frozen products			

▼B

Total catch on board — all areas							**Catch to be landed** (2)
Species (3)	Product (4)	Area of catch			Conversion factor	Product weight (kg)	Product weight (kg)
		NEAFC CA (ICES subareas and divisions)	NAFO RA (Sub Division)	Other areas			

PART B: For official use only — to be completed by the Flag State

The Flag State of the vessel must respond to the following questions by marking in the box 'Yes' or 'No'	NEAFC CA		NAFO RA	
	Yes	No	Yes	No
a) The fishing vessel declared to have caught the fish had sufficient quota for the species declared				
b) The quantities on board have been duly reported and taken into account for the calculation of any catch or effort limitations that may be applicable				
c) The fishing vessel declared to have caught the fish had authorisation to fish in the area declared				
d) The presence of the fishing vessel in the area of catch declared has been verified according to VMS data				

Flag State confirmation: ***I confirm that the above information is complete, true and correct to the best of my knowledge and belief.***

Name and Title:		**Date:**	
Signature:		**Official Stamp:**	

▼B

PART C: For official use only — to be completed by the Port State **Note: NAFO Port State Authorization to use port for landing, transhipment, or other**						
Name of Port State:						
Authorisation:	**Yes:**		**No:**		**Date:**	
Signature:			**Official Stamp:**			

([1]) Fishing vessels not assigned an IMO number shall provide their external registration number.
([2]) If necessary an additional form or forms shall be used.
([3]) FAO Species Codes — NEAFC Annex V — NAFO Annex I.C of the CEM.
([4]) Product presentations — NEAFC Appendix 1 to Annex IV — NAFO Annex II.K of the CEM.

B-PSC-2

PORT STATE CONTROL FORM — PSC 2

PART A: To be completed by the Master of the Vessel. A separate form shall be completed for each donor vessel. Please use black ink

Name of Vessel:	IMO Number: ([1])	Radio Call Sign:	Flag State:
Email Address:	Telephone Number:	Fax Number:	Inmarsat Number:
Vessel master's name:	Vessel master's nationality:	Vessel owner:	Certificate of Registry ID:
Vessel dimensions	Length (m):	Beam (m):	Draft (m):
Port State:		Port of Landing or Transhipment:	

Reason for Port Entry	Landing: (y/n)		Trans-hipment: (y/n)		Other: (y/n)	
Last port of call:			Date:			
Date and location of transhipment:			Transhipment authorization if relevant:			
Estimated Date of Arrival:			Estimated Time (UTC) of Arrival:			

Frozen products only		Fresh products only		Fresh and frozen products	

Catch Information for Donor Vessels *A separate form shall be completed for each Donor Vessel*

▼B

Name of Vessel	IMO Number (1)	Radio Call Sign	Flag State

Total catch on board — all areas							Catch to be landed (2)
		Area of catch					
Species (3)	Product (4)	NEAFC CA (ICES subareas and divisions)	NAFO RA (Sub Division)	Other areas	Conversion factor	Product weight (kg)	Product weight (kg)

PART B: For official use only — to be completed by the Flag State

The Flag State of the vessel must respond to the following questions by marking in the box 'Yes' or 'No'	NEAFC CA		NAFO RA	
	Yes	No	Yes	No
a) The fishing vessel declared to have caught the fish had sufficient quota for the species declared				
b) The quantities on board have been duly reported and taken into account for the calculation of any catch or effort limitations that may be applicable				
c) The fishing vessel declared to have caught the fish had authorisation to fish in the area declared				
d) The presence of the fishing vessel in the area of catch declared has been verified according to VMS data				

Flag State confirmation: ***I confirm that the above information is complete, true and correct to the best of my knowledge and belief.***

▼B

Name and Title:		**Date:**	
Signature:		**Official Stamp:**	

PART C: For official use only — to be completed by the Port State
Note: NAFO Port State Authorization to use port for landing, transhipment, or other

Name of Port State:						
Authorisation:	**Yes:**		**No:**		**Date:**	
Signature:			**Official Stamp:**			

([1]) Fishing vessels not assigned an IMO number shall provide their external registration number.
([2]) If necessary an additional form or forms shall be used.
([3]) FAO Species Codes — NEAFC Annex V — NAFO Annex II of the CEM.
([4]) Product presentations — NEAFC Appendix 1 to Annex IV — NAFO Annex II.K of the CEM.

44. ANNEX IV.H TO THE CEM ON INSPECTIONS, AS REFERRED TO IN ARTICLE 39(11) OF REGULATION (EU) 2019/833

Principles for Inspections

Inspectors shall:

(a) verify, to the extent possible, that the vessel identification documentation on board and information relating to the owner of the vessel is true, complete and correct, including through appropriate contacts with the flag State or international records of vessels if necessary;

(b) verify that the vessel's flag and markings (e.g. name, external registration number, International Maritime Organization (IMO) ship identification number, international radio call sign and other markings, main dimensions) are consistent with information contained in the documentation;

(c) review all other relevant documentation and records held onboard, including, to the extent possible, those in electronic format and vessel monitoring system (VMS) data from the flag State or RFMOs. Relevant documentation may include logbooks, catch, transhipment and trade documents, data collected by the observer on board, crew lists, stowage plans and drawings, descriptions of fish holds, and documents required pursuant to the Convention on International Trade in Endangered Species of Wild Fauna and Flora;

(d) verify, to the extent possible, that the authorizations for fishing activities are true, complete, correct and consistent with the information provided in accordance with the CEM provisions including, but not limited to, Articles 25, 44, 45 and 51 of the CEM;

(e) determine, to the extent possible, whether any fishery resources on board were harvested in accordance with applicable authorizations for the vessel;

▼B

(f) examine any fishery resources on board the vessel, including by sampling, to determine its quantity and composition. In doing so, inspectors may open containers where the fishery resources have been pre-packed and move the catch or containers to ascertain the integrity of fish holds. Such examination may include inspections of product type and determination of nominal weight;

(g) examine, to the extent possible, all relevant fishing gear onboard, including any gear stowed out of sight as well as related devices, and to the extent possible, verify that they are in conformity with the conditions of the authorizations. The fishing gear shall, to the extent possible, also be checked to ensure that features such as the mesh and twine size, devices and attachments, dimensions and configuration of nets, pots, dredges, hook sizes and numbers are in conformity with applicable regulations and that the markings correspond to those authorized for the vessel;

(h) evaluate whether there is clear evidence for believing that a non-Contracting Party vessel has engaged in IUU fishing activities; and

(i) arrange, where necessary and possible, for translation of relevant documentation.

Additionally inspections shall be conducted in a fair, transparent and non-discriminatory manner and shall not constitute harassment of any vessel. Inspectors shall not interfere with the Master's ability to communicate with the authorities of the flag State Contracting Party or the flag Member State.