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European Union

Brussels, 27 October 2020  
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ADD 2**

**PECHE 338**

## **PROPOSAL**

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|------------------|---|
| From:            | Secretary-General of the European Commission, signed by Ms Martine DEPREZ, Director |
| date of receipt: | 27 October 2020   |
| To:              | Mr Jeppe TRANHOLM-MIKKELSEN, Secretary-General of the Council of the European Union |

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|----------------|--|
| No. Cion doc.: | COM(2020) 668 final - ANNEXES 2 - 9  |
| Subject:       | ANNEXES to the Proposal for a Council Regulation fixing for 2021 the fishing opportunities for certain fish stocks and groups of fish stocks, applicable in Union waters and, for Union fishing vessels, in certain non-Union waters |

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Delegations will find attached document COM(2020) 668 final - ANNEXES 2 - 9.

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Encl.: COM(2020) 668 final - ANNEXES 2 - 9



EUROPEAN  
COMMISSION

Brussels, 27.10.2020  
COM(2020) 668 final

ANNEXES 2 to 9

## ANNEXES

to the

### **Proposal for a Council Regulation**

**fixing for 2021 the fishing opportunities for certain fish stocks and groups of fish stocks,  
applicable in Union waters and, for Union fishing vessels, in certain non-Union waters**

## **ANNEX II**

### **FISHING EFFORT FOR VESSELS IN THE CONTEXT OF THE MANAGEMENT OF WESTERN CHANNEL SOLE STOCKS IN ICES DIVISION 7e**

## **Chapter I General provisions**

### **1. SCOPE**

- 1.1. This Annex shall apply to Union fishing vessels of 10 metres length overall or more carrying on board or deploying beam trawls of mesh size equal to or greater than 80 mm and static nets, including gillnets, trammel-nets and tangle-nets, with mesh size equal to or less than 220 mm in accordance with Regulation (EC) No 509/2007, and present in ICES division 7e.
- 1.2. Vessels fishing with static nets with mesh size equal to or larger than 120 mm and with track records of less than 300 kg live weight of sole per year during the three previous years, according to their fishing records, shall be exempt from the application of this Annex subject to the following conditions:
  - (a) such vessels caught less than 300 kg live weight of sole during the 2018 management period;
  - (b) such vessels do not tranship any fish at sea to another vessel;
  - (c) by 31 July 2021 and 31 January 2022 each Member State concerned makes a report to the Commission on those vessels' catch records for sole in the three previous years as well as on catches of sole in 2021.

Where any of those conditions is not met, the vessels concerned shall cease to be exempt from the application of this Annex, with immediate effect.

### **2. DEFINITIONS**

For the purposes of this Annex, the following definitions apply:

- (a) 'gear grouping' means the grouping consisting of the following two gear categories:
  - (i) beam trawls of mesh size equal to or greater than 80 mm, and
  - (ii) static nets, including gillnets, trammel nets and tangle-nets, with mesh size equal to or less than 220 mm;
- (b) 'regulated gear' means any of the two gear categories belonging to the gear grouping;
- (c) 'area' means ICES division 7e;
- (d) 'current management period' means the period from 1 February 2021 to 31 January 2022.

### **3. LIMITATION IN ACTIVITY**

Without prejudice to Article 29 of Regulation (EC) No 1224/2009, each Member State shall ensure that, when carrying on board any regulated gear, Union fishing vessels flying its flag and registered in the Union shall be present within the area for no more than the number of days set out in Chapter III of this Annex.

## **Chapter II Authorisations**

### 4. AUTHORISED VESSELS

- 4.1 A Member State shall not authorise fishing with regulated gear in the area by any vessel flying its flag which has no record of such fishing activity in the area in the period from 2002 to 2018, excluding the record of fishing activities as a result of transfer of days between fishing vessels, unless it ensures that equivalent capacity, measured in kilowatts, is prevented from fishing in the area.
- 4.2 However, a vessel with a track record of using a regulated gear may be authorised to use a different fishing gear, provided that the number of days allocated to this latter gear is greater than or equal to the number of days allocated to the regulated gear.
- 4.3 A vessel flying the flag of a Member State having no quotas in the area shall not be authorised to fish in the area with regulated gear, unless the vessel is allocated a quota after a transfer as permitted in accordance with Article 16(8) of Regulation (EU) No 1380/2013 and is allocated days at sea in accordance with point 10 or 11 of this Annex.

## **Chapter III Number of days present within the area allocated to Union fishing vessels**

### 5. MAXIMUM NUMBER OF DAYS

During the current management period, the maximum number of days at sea for which a Member State may authorise a vessel flying its flag to be present within the area carrying on board any regulated gear is shown in Table I.

Table I  
Maximum number of days a vessel may be present within the area  
by category of regulated gear per year

| Regulated gear                           | Maximum number of days |    |
|--|------------------------|----|
| Beam trawls of mesh size $\geq$ 80 mm    | Belgium                | pm |
|  | France                 | pm |
| Static nets with mesh size $\leq$ 220 mm | Belgium                | pm |
|  | France                 | pm |

### 6. KILOWATT DAY SYSTEM

- 6.1. During the current management period, a Member State may manage its fishing effort allocations in accordance with a kilowatt days system. Through that system it may authorise any vessel concerned by any regulated gear as set out in Table I to be present within the area for a maximum number of days which is different from that set out in that Table, provided that the overall amount of kilowatt days corresponding to the regulated gear is respected.

- 6.2. This overall amount of kilowatt days shall be the sum of all individual fishing efforts allocated to the vessels flying the flag of that Member State and qualified for the regulated gear. Such individual fishing efforts shall be calculated in kilowatt days by multiplying the engine power of each vessel by the number of days at sea it would benefit from, according to Table I, if point 6.1 were not applied.
- 6.3. A Member State wishing to benefit from the system referred to in point 6.1 shall submit a request to the Commission, for the regulated gear as laid down in Table I, with reports in electronic format containing the details of the calculation based on:
- (a) the list of vessels authorised to fish by indicating their Union fishing fleet register number (CFR) and their engine power;
  - (b) the number of days at sea for which each vessel would have initially been authorised to fish according to Table I and the number of days at sea which each vessel would benefit from in application of point 6.1.
- 6.4. On the basis of that request, the Commission shall assess whether the conditions referred to in point 6 are complied with and, where applicable, may authorise that Member State to benefit from the system referred to in point 6.1.
7. ALLOCATION OF ADDITIONAL DAYS FOR PERMANENT CESSATION OF FISHING ACTIVITIES
- 7.1. An additional number of days at sea on which a vessel may be authorised by its flag Member State to be present within the area when carrying on board any regulated gear may be allocated to a Member State by the Commission on the basis of permanent cessations of fishing activities that have taken place during the preceding management period either in accordance with Article 23 of Regulation (EC) No 1198/2006 or with Regulation (EC) No 744/2008. Permanent cessations resulting from any other circumstances may be considered by the Commission on a case-by-case basis, following a written and duly motivated request from the Member State concerned. Such written request shall identify the vessels concerned and confirm, for each of them, that they shall never return to fishing activities.
- 7.2. The effort expended in 2003 measured in kilowatt days of the withdrawn vessels using a given gear grouping shall be divided by the effort expended by all vessels using that gear grouping during 2003. The additional number of days at sea shall be then calculated by multiplying the ratio so obtained by the number of days that would have been allocated according to Table I. Any part of a day resulting from that calculation shall be rounded to the nearest whole day.
- 7.3. Points 7.1 and 7.2 shall not apply where a vessel has been replaced in accordance with point 4.2, or when the withdrawal has already been used in previous years to obtain additional days at sea.
- 7.4. A Member State wishing to benefit from the allocations referred to in point 7.1 shall submit a request to the Commission, by 15 June of the current management period, with reports in electronic format containing for the gear grouping as laid down in Table I, the details of the calculation based on:
- (a) lists of withdrawn vessels with their Union fishing fleet register number (CFR) and their engine power;
  - (b) the fishing activity deployed by such vessels in 2003 calculated in days at sea according to the grouping of fishing gear.

- 7.5. During the current management period, a Member State may re-allocate any additionally granted days at sea to all or part of the vessels remaining in fleet and qualified for the regulated gear.
- 7.6. When the Commission allocates additional days at sea due to a permanent cessation of fishing activities during the preceding management period the maximum number of days per Member State and gear shown in Table I shall be adjusted accordingly for the current management period.
8. ALLOCATION OF ADDITIONAL DAYS FOR ENHANCED SCIENTIFIC OBSERVER COVERAGE
- 8.1. Three additional days on which a vessel may be present within the area when carrying on board any regulated gear may be allocated between 1 February 2021 and 31 January 2022 to a Member State by the Commission on the basis of an enhanced programme of scientific observer coverage in partnership between scientists and the fishing industry. Such a programme shall focus in particular on levels of discarding and on catch composition and go beyond the requirements on data collection, as laid down in Regulation (EC) No 199/2008 and its implementing rules for national programmes.
- 8.2. Scientific observers shall be independent from the owner, the master of the fishing vessel and any crew member.
- 8.3. A Member State wishing to benefit from the allocations referred to in point 8.1 shall submit a description of its enhanced scientific observer coverage programme to the Commission for approval.
- 8.4. If an enhanced scientific observer coverage programme submitted by a Member State has been approved by the Commission in the past and the Member State concerned wishes to continue its application without changes, it shall inform the Commission of the continuation of that programme four weeks before the beginning of the period for which the programme applies.

## **Chapter IV Management**

9. GENERAL OBLIGATION
- Member States shall manage the maximum allowable effort in accordance with Articles 26 to 35 of Regulation (EC) No 1224/2009.
10. MANAGEMENT PERIODS
- 10.1. A Member State may divide the days present within the area set out in Table I into management periods of durations of one or more calendar months.
- 10.2. The number of days or hours for which a vessel may be present within the area during a management period shall be fixed by the Member State concerned.
- 10.3. Where a Member State authorises vessels flying its flag to be present within the area by hours, the Member State shall continue measuring the consumption of days as specified in point 9. Upon request by the Commission, the Member State shall demonstrate its precautionary measures taken to avoid an excessive consumption of days within the area due to a vessel terminating presences in the area before the end of a 24-hour period.

## **Chapter V**

### **Exchanges of fishing effort allocations**

11. TRANSFER OF DAYS BETWEEN FISHING VESSELS FLYING THE FLAG OF A MEMBER STATE
  - 11.1. A Member State may permit any fishing vessel flying its flag to transfer days present within the area for which it has been authorised to another vessel flying its flag within the area, provided that the product of the number of days received by a vessel and its engine power in kilowatts (kilowatt days) is equal to or less than the product of the number of days transferred by the donor vessel and its engine power in kilowatts. The engine power in kilowatts of the vessels shall be that recorded for each vessel in the Union fishing fleet register.
  - 11.2. The total number of days present within the area transferred in accordance with point 11.1, multiplied by the engine power in kilowatts of the donor vessel, shall not be higher than the donor vessel's average annual days track record in the area as verified by the fishing logbook in the years 2001, 2002, 2003, 2004 and 2005 multiplied by the engine power in kilowatts of that vessel.
  - 11.3. The transfer of days in accordance with point 11.1 shall be permitted between vessels operating with any regulated gear and during the same management period.
  - 11.4. On request from the Commission, Member States shall provide information on the transfers that have taken place. Formats of spreadsheet for the collection and transmission of that information may be established by the Commission, by means of implementing acts. Those implementing acts shall be adopted in accordance with the examination procedure referred to in Article 53(2).
12. TRANSFER OF DAYS BETWEEN FISHING VESSELS FLYING THE FLAG OF DIFFERENT MEMBER STATES

Member States may permit transfer of days present within the area for the same management period and within the area between any fishing vessels flying their flags provided that points 4.1, 4.3, 5, 6 and 10 apply *mutatis mutandis*. Where Member States decide to authorise such a transfer, they shall notify the Commission, before the transfer takes place, of the details of the transfer, including the number of days to be transferred, the fishing effort and, where applicable, the fishing quotas relating thereto.

## **Chapter VI**

### **Reporting obligations**

13. FISHING EFFORT REPORT

Article 28 of Regulation (EC) No 1224/2009 shall apply to vessels falling under the scope of this Annex. The geographical area referred to in that Article shall be understood as the area specified in point 2 of this Annex.
14. COLLECTION OF RELEVANT DATA

Member States shall collect on a quarterly basis the information about total fishing effort deployed within the area for towed gear and static gear, effort deployed by vessels using different types of gear in the area, and the engine power of those vessels in kilowatt days, on the basis of information used for the management of fishing days present within the area as set out in this Annex.

15. COMMUNICATION OF RELEVANT DATA

Upon request from the Commission, Member States shall make available to the Commission a spreadsheet with data specified in point 14 in the format specified in Tables II and III by sending it to the appropriate electronic mailbox address, which shall be communicated to the Member States by the Commission. Member States shall, upon the Commission's request, send detailed information to the Commission on effort allocated and consumed covering all or parts of the 2019 and 2020 management periods, using the data format specified in Tables IV and V.



Table II  
Reporting format kW-day information by management period

| Member State | Gear | Management period | Cumulative effort declaration |
|--------------|------|-------------------|-------------------------------|
| (1)          | (2)  | (3)               | (4)                           |

Table III  
Data format kW-day information by management period

| Name of field  | Maximum number of characters/digits | Alignment <sup>(1)</sup><br>L(eft)/R(ight) | Definition and comments  |
|--|-------------------------------------|--|--|
| (1) Member State   | 3                                   |  | Member State (Alpha-3 ISO code) in which the vessel is registered  |
| (2) Gear   | 2                                   |  | One of the following gear types:<br>BT = beam trawls $\geq$ 80 mm<br>GN = gillnet < 220 mm<br>TN = trammel net or entangling net < 220 mm  |
| (3) Management period  | 4                                   |  | One year in the period from the 2006 management period to the current management period  |
| (4) Cumulative effort declaration  | 7                                   | R  | Cumulative amount of fishing effort expressed in kilowatt days deployed from 1 February until 31 January of the relevant management period |
| <sup>(1)</sup> Information relevant for transmission of data by fixed-length formatting. |                                     |  |  |

Table IV  
Reporting format for vessel-related information

| Member State | CFR | External marking | Length of management period | Gear notified |      |      |     | Days eligible using notified gear(s) |      |      |     | Days spent with notified gear(s) |      |      |     | Transfer of days |
|--------------|-----|------------------|-----------------------------|---------------|------|------|-----|--------------------------------------|------|------|-----|----------------------------------|------|------|-----|------------------|
|              |     |                  |                             | No 1          | No 2 | No 3 | ... | No 1                                 | No 2 | No 3 | ... | No 1                             | No 2 | No 3 | ... |                  |
| (1)          | (2) | (3)              | (4)                         | (5)           | (5)  | (5)  | (5) | (6)                                  | (6)  | (6)  | (6) | (7)                              | (7)  | (7)  | (7) | (8)              |

Table V  
Data format for vessel-related information

| Name of field                   | Maximum number of characters/digits | Alignment <sup>(1)</sup><br>L(eft)/R(ight) | Definition and comments  |
|---------------------------------|-------------------------------------|--|--|
| (1) Member State                | 3                                   |  | Member State (Alpha-3 ISO code) in which vessel is registered  |
| (2) CFR                         | 12                                  |  | Union fishing fleet register number (CFR)<br>Unique identification number of a fishing vessel<br>Member State (Alpha-3 ISO code) followed by an identifying series (9 characters).<br>Where a series has fewer than 9 characters, additional zeros shall be inserted on the left hand side |
| (3) External marking            | 14                                  | L  | Under Implementing Regulation (EU) No 404/2011   |
| (4) Length of management period | 2                                   | L  | Length of the management period measured in months   |
| (5) Gear notified               | 2                                   | L  | One of the following gear types:<br>BT = beam trawls $\geq$ 80 mm<br>GN = gillnet < 220 mm<br>TN = trammel net or entangling net < 220 mm  |

| Name of field  | Maximum number of characters/digits | Alignment <sup>(1)</sup><br>L(eft)/R(ight) | Definition and comments  |
|--|-------------------------------------|--|--|
| (6) Special condition applying to notified gear(s)                                       | 3                                   | L  | Number of days for which the vessel is eligible under Annex II for the choice of gear and length of management period notified                         |
| (7) Days spent with notified gear(s)   | 3                                   | L  | Number of days the vessel actually spent present within the area and using a gear corresponding to gear notified during the notified management period |
| (8) Transfers of days  | 4                                   | L  | For days transferred indicate ‘– number of days transferred’ and for days received indicate ‘+ number of days transferred’                             |
| <sup>(1)</sup> Information relevant for transmission of data by fixed-length formatting. |                                     |  |  |

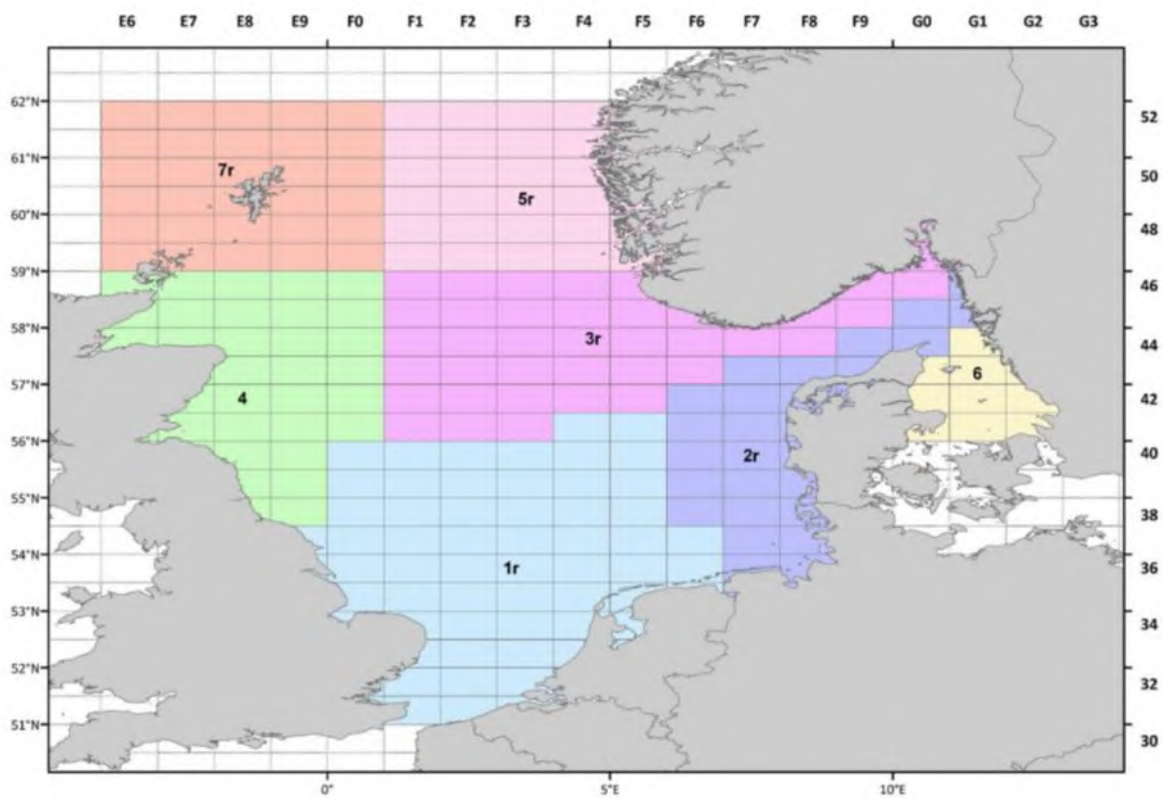
### ANNEX III

#### MANAGEMENT AREAS FOR SANDEELS IN ICES DIVISIONS 2a, 3a AND ICES SUBAREA 4

For the purposes of the management of the fishing opportunities of sandeels in ICES divisions 2a, 3a and ICES subarea 4 fixed in Annex IA, the management areas within which specific catch limits apply are defined as shown below and in the Appendix to this Annex:

| Management area for sandeels | ICES statistical rectangles  |
|------------------------------|--|
| 1r                           | 31–33 E9–F4; 33 F5; 34–37 E9–F6; 38–40 F0–F5; 41 F4–F5                                   |
| 2r                           | 35 F7–F8; 36 F7–F9; 37 F7–F8; 38–41 F6–F8; 42 F6–F9; 43 F7–F9; 44 F9–G0; 45 G0–G1; 46 G1 |
| 3r                           | 41–46 F1–F3; 42–46 F4–F5; 43–46 F6; 44–46 F7–F8; 45–46 F9; 46–47 G0; 47 G1 and 48 G0     |
| 4                            | 38–40 E7–E9 and 41–46 E6–F0  |
| 5r                           | 47–52 F1–F5  |
| 6                            | 41–43 G0–G3; 44 G1   |
| 7r                           | 47–52 E6–F0  |

Management areas for sandeels



**ANNEX IV**

SEASONAL CLOSURES TO PROTECT SPAWNING COD

*[The provisions will be inserted following consultations with relevant third countries]*

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**ANNEX V**

**FISHING AUTHORISATIONS**

**PART A**

**MAXIMUM NUMBER OF FISHING AUTHORISATIONS  
FOR UNION FISHING VESSELS FISHING IN THIRD-COUNTRY WATERS**

| Area of fishing                                    | Fishery                     | Number of fishing authorisations | Allocation of fishing authorisations amongst Member States |    | Maximum number of vessels present at any time |
|--|-----------------------------|----------------------------------|--|----|---|
| Norwegian waters and fishery zone around Jan Mayen | Herring, north of 62° 00' N | pm                               | DK   | pm | pm  |
|  |                             |                                  | DE   | pm |   |
|  |                             |                                  | FR   | pm |   |
|  |                             |                                  | IE   | pm |   |
|  |                             |                                  | NL   | pm |   |
|  |                             |                                  | PL   | pm |   |
|  |                             |                                  | SE   | pm |   |

| Area of fishing                        | Fishery                              | Number of fishing authorisations | Allocation of fishing authorisations amongst Member States |    | Maximum number of vessels present at any time |
|--|--------------------------------------|----------------------------------|--|----|---|
|  | Demersal species, north of 62° 00' N | pm                               | DE   | pm | pm  |
|  | IE                                   |                                  | pm   |    |   |
|  | ES                                   |                                  | pm   |    |   |
|  | FR                                   |                                  | pm   |    |   |
|  | PT                                   |                                  | pm   |    |   |
|  | Unallocated                          |                                  | pm   |    |   |
|  | Mackerel <sup>(1)</sup>              | Not relevant                     | Not relevant   |    | pm  |
| Industrial species, south of 62° 00' N | pm                                   | DK                               | pm   | pm |   |



| Area of fishing | Fishery   | Number of fishing authorisations | Allocation of fishing authorisations amongst Member States |    | Maximum number of vessels present at any time |
|-----------------|---|----------------------------------|--|----|---|
| Faroese waters  | All trawl fisheries with vessels of not more than 180 feet in the zone between 12 and 21 miles from the Faroese baselines   | pm                               | BE   | pm | pm  |
|                 |   |                                  | DE   | pm |   |
|                 |   |                                  | FR   | pm |   |
|                 | Directed fisheries for cod and haddock with a minimum mesh of 135 mm, restricted to the area south of 62° 28' N and east of 6° 30' W  | pm <sup>(2)</sup>                | Not relevant   |    | pm  |
|                 | Trawl fisheries outside 21 miles from the Faroese baseline. In the periods from 1 March to 31 May and from 1 October to 31 December, those vessels may operate in the area between 61° 20' N and 62° 00' N and between 12 and 21 miles from the baselines | pm                               | BE   | pm | pm  |
|                 |   |                                  | DE   | pm |   |
|                 |   |                                  | FR   | pm |   |

| Area of fishing | Fishery   | Number of fishing authorisations | Allocation of fishing authorisations amongst Member States |    | Maximum number of vessels present at any time |
|-----------------|---|----------------------------------|--|----|---|
|                 | Trawl fisheries for blue ling with a minimum mesh of 100 mm in the area south of 61° 30' N and west of 9° 00' W and in the area between 7° 00' W and 9° 00' W south of 60° 30' N and in the area south-west of a line between 60° 30' N, 7° 00' W and 60°00' N, 6°00' W | pm                               | DE <sup>(3)</sup>  | pm | pm <sup>(4)</sup>                             |
|                 | FR <sup>(3)</sup>   |                                  | pm   |    |   |
|                 | Directed trawl fisheries for saithe with a minimum mesh size of 120 mm and with the possibility to use round-straps around the cod-end  | pm                               | Not relevant   |    | pm <sup>(4)</sup>                             |
|                 | Fisheries for blue whiting. The total number of fishing authorisations may be increased by four vessels to form pairs, should the Faroese authorities introduce special rules of access to an area called 'main fishing area of blue whiting'                           | pm                               | DE   | pm | pm  |
|                 |   |                                  | DK   | pm |   |
|                 |   |                                  | FR   | pm |   |
|                 |   |                                  | NL   | pm |   |
|                 |   |                                  | SE   | pm |   |
|                 |   |                                  | ES   | pm |   |
|                 |   |                                  | IE   | pm |   |
| Mackerel        | pm  | DK                               | pm   | pm |   |
|                 |   | BE                               | pm   |    |   |
|                 |   | DE                               | pm   |    |   |
|                 |   | FR                               | pm   |    |   |
|                 |   | IE                               | pm   |    |   |
|                 |   | NL                               | pm   |    |   |
|                 |   | SE                               | pm   |    |   |

| Area of fishing | Fishery                     | Number of fishing authorisations | Allocation of fishing authorisations amongst Member States |    | Maximum number of vessels present at any time |
|-----------------|-----------------------------|----------------------------------|--|----|---|
|                 | Herring, north of 62° 00' N | pm                               | DK   | pm | pm  |
|                 |                             |                                  | DE   | pm |   |
|                 |                             |                                  | IE   | pm |   |
|                 |                             |                                  | FR   | pm |   |
|                 |                             |                                  | NL   | pm |   |
|                 |                             |                                  | PL   | pm |   |
|                 |                             |                                  | SE   | pm |   |

| Area of fishing   | Fishery                         | Number of fishing authorisations | Allocation of fishing authorisations amongst Member States |    | Maximum number of vessels present at any time |
|---|---------------------------------|----------------------------------|--|----|---|
| 1, 2b <sup>(5)</sup>  | Fishery for snow crab with pots | pm                               | EE   | pm | Not applicable                                |
|   |                                 |                                  | ES   | pm |   |
|   |                                 |                                  | LV   | pm |   |
|   |                                 |                                  | LT   | pm |   |
|   |                                 |                                  | PL   | pm |   |
| <p>(1) Without prejudice to additional licences granted to Sweden by Norway in accordance with established practice.</p> <p>(2) Those figures are included in the figures for all trawl fisheries with vessels of not more than 180 feet in the zone between 12 and 21 miles from the Faroese baselines.</p> <p>(3) Those figures refer to the maximum number of vessels present at any time.</p> <p>(4) Those figures are included in the figures for 'Trawl fisheries outside 21 miles from the Faroese baselines'.</p> <p>(5) The allocation of fishing opportunities available to the Union in the zone of Svalbard is without prejudice to the rights and obligations deriving from the Treaty of Paris of 1920.</p> |                                 |                                  |  |    |   |

PART B  
 MAXIMUM NUMBER OF FISHING AUTHORISATIONS  
 FOR THIRD-COUNTRY VESSELS FISHING IN UNION WATERS

| Flag State    | Fishery  | Number of fishing authorisations | Maximum number of vessels present at any time |
|---------------|--|----------------------------------|---|
| Norway        | Herring, north of 62° 00' N  | pm                               | pm  |
| Faroe Islands | Mackerel, 6a (north of 56° 30' N), 2a, 4a (north of 59° N)<br>Horse mackerel, 4, 6a (north of 56° 30' N), 7e, 7f, 7h | pm                               | pm  |
|               | Herring, north of 62° 00' N  | pm                               | pm  |
|               | Herring, 3a  | pm                               | pm  |
|               | Industrial fishing for Norway pout, 4, 6a (north of 56° 30' N)<br>(including unavoidable by-catches of blue whiting) | pm                               | pm  |
|               | Ling and tusk  | pm                               | pm  |
|               | Blue whiting, 2, 4a, 5, 6a (north of 56° 30' N), 6b, 7 (west<br>of 12° 00' W)  | pm                               | pm  |
|               | Blue ling  | pm                               | pm  |

| Flag State  | Fishery                         | Number of fishing authorisations | Maximum number of vessels present at any time |
|---|---------------------------------|----------------------------------|---|
| Venezuela <sup>(1)</sup>  | Snappers (French Guiana waters) | pm                               | pm  |
| <p><sup>(1)</sup> To issue those fishing authorisations, proof must be produced that a valid contract exists between the vessel owner applying for the fishing authorisation and a processing undertaking situated in the Department of French Guiana, and that it includes an obligation to land at least 75 % of all snapper catches from the vessel concerned in that department so that they may be processed in that undertaking's plant. Such a contract must be endorsed by the French authorities, which shall ensure that it is consistent both with the actual capacity of the contracting processing undertaking and with the objectives for the development of the Guianese economy. A copy of the duly endorsed contract shall be appended to the fishing authorisation application. Where such an endorsement is refused, the French authorities shall give notification of this refusal and state their reasons for it to the party concerned and to the Commission.</p> |                                 |                                  |   |

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## ANNEX VI

### ICCAT CONVENTION AREA<sup>1</sup>

1. Maximum number of Union bait boats and trolling boats authorised to fish actively for bluefin tuna between 8 kg/75 cm and 30 kg/115 cm in the Eastern Atlantic

|        |    |
|--------|----|
| Spain  | pm |
| France | pm |
| Union  | pm |

2. Maximum number of Union coastal artisanal fishing vessels authorised to fish actively for bluefin tuna between 8 kg/75 cm and 30 kg/115 cm in the Mediterranean

|        |                 |
|--------|-----------------|
| Spain  | pm              |
| France | pm              |
| Italy  | pm              |
| Cyprus | pm <sup>2</sup> |
| Malta  | pm <sup>2</sup> |
| Union  | pm              |

3. Maximum number of Union fishing vessels authorised to fish actively for bluefin tuna between 8 kg/75 cm and 30 kg/115 cm in the Adriatic Sea for farming purposes

|         |    |
|---------|----|
| Croatia | pm |
| Italy   | pm |
| Union   | pm |

4. Maximum number of fishing vessels of each Member State that may be authorised to fish for, retain on board, tranship, transport, or land bluefin tuna in the eastern Atlantic and Mediterranean

Table A<sup>3</sup>

|  | Number of fishing vessels <sup>4</sup> |                     |         |       |        |       |                    |          |
|--|--|---------------------|---------|-------|--------|-------|--------------------|----------|
|  | Cyprus <sup>5</sup>                    | Greece <sup>1</sup> | Croatia | Italy | France | Spain | Malta <sup>2</sup> | Portugal |

<sup>1</sup> The numbers shown in points 1, 2 and 3 may decrease in order to comply with international obligations of the Union.

<sup>2</sup> This number may increase if a purse seiner is replaced by 10 longline vessels in accordance with footnote 4 or footnote 6 of table A in point 4 of this Annex.

<sup>3</sup> The numbers in table A should be adapted in light of fishing plans submitted by Member states by 31 January 2021.

<sup>4</sup> The numbers in this Table A of point 4 may be further increased, provided that the international obligations of the Union are complied with.

<sup>5</sup> One medium-size purse seiner may be replaced by no more than 10 longline vessels or one small purse seiner and no more than three longline vessels.

|                              | Number of fishing vessels <sup>4</sup> |                     |         |       |                 |       |                    |                 |
|------------------------------|--|---------------------|---------|-------|-----------------|-------|--------------------|-----------------|
|                              | Cyprus <sup>5</sup>                    | Greece <sup>1</sup> | Croatia | Italy | France          | Spain | Malta <sup>2</sup> | Portugal        |
| Purse seine vessels          | pm                                     | pm                  | pm      | pm    | pm              | pm    | pm                 | pm              |
| Longliners                   | pm <sup>3</sup>                        | pm                  | pm      | pm    | pm              | pm    | pm                 | pm              |
| Baitboat                     | pm                                     | pm                  | pm      | pm    | pm              | pm    | pm                 | pm <sup>4</sup> |
| Handline                     | pm                                     | pm                  | pm      | pm    | pm <sup>5</sup> | pm    | pm                 | pm              |
| Trawler                      | pm                                     | pm                  | pm      | pm    | pm              | pm    | pm                 | pm              |
| Small-scale                  | pm                                     | pm                  | pm      | pm    | pm              | pm    | pm                 | pm              |
| Other artisanal <sup>6</sup> | pm                                     | pm                  | pm      | pm    | pm              | pm    | pm                 | pm              |

5. Maximum number of traps engaged in the eastern Atlantic and Mediterranean bluefin tuna fishery authorised by each Member State<sup>7</sup>

| Member State | Number of traps <sup>8</sup> |
|--------------|------------------------------|
| Spain        | pm                           |
| Italy        | pm                           |
| Portugal     | pm                           |

6. Maximum bluefin tuna farming capacity and fattening capacity for each Member State and maximum input of wild caught bluefin tuna that each Member State may allocate to its farms in the eastern Atlantic and Mediterranean

Table A

| Maximum tuna farming capacity and fattening capacity |                 |                      |
|--|-----------------|----------------------|
|  | Number of farms | Capacity (in tonnes) |
| Spain  | pm              | pm                   |
| Italy  | pm              | pm                   |

<sup>1</sup> One medium-size purse seiner may be replaced by no more than 10 longline vessels or one small-size purse seiner and three other artisanal vessels.

<sup>2</sup> One medium-size purse seiner may be replaced by no more than 10 longline vessels.

<sup>3</sup> Polyvalent vessels, using multi-gear equipment.

<sup>4</sup> Baitboats of the outermost regions of Azores and Madeira.

<sup>5</sup> Line vessels operating in the Atlantic.

<sup>6</sup> Polyvalent vessels, using multi-gear equipment (longline, handline, trolling line).

<sup>7</sup> The numbers in section 5 must be adapted in light of fishing plans submitted by Member states by 31 January 2021 for endorsement by Panel 2 of ICCAT.

<sup>8</sup> This number may be further increased, provided that the international obligations of the Union are complied with.



| Maximum tuna farming capacity and fattening capacity |                 |                      |
|--|-----------------|----------------------|
|  | Number of farms | Capacity (in tonnes) |
| Greece   | pm              | pm                   |
| Cyprus   | pm              | pm                   |
| Croatia  | pm              | pm                   |
| Malta  | pm              | pm                   |

Table B<sup>1</sup>

| Maximum input of wild caught bluefin tuna (in tonnes) <sup>2</sup> |    |
|--|----|
| Spain  | pm |
| Italy  | pm |
| Greece   | pm |
| Cyprus   | pm |
| Croatia  | pm |
| Malta  | pm |
| Portugal   | pm |

7. The distribution between the Member States of the maximum number of fishing vessels flying the flag of a Member State authorised to fish for northern albacore as a target species in accordance with Article 12 of Regulation (EC) No 520/2007 shall be as follows:

| Member State | Maximum number of vessels |
|--------------|---------------------------|
| Ireland      | pm                        |
| Spain        | pm                        |
| France       | pm                        |
| Portugal     | pm                        |

8. Maximum number of Union fishing vessels of at least 20 meters length that fish for bigeye tuna in the ICCAT Convention Area shall be as follows:

<sup>1</sup> The total farming capacity of Portugal of 500 tonnes (corresponding to 350 tonnes of input farming capacity) is covered by the unused capacity of the Union set out in table A.

<sup>2</sup> The figures in table B in section 6 must be adapted in light of the farming plans submitted by Member states by 31 January 2021.

| Member State | Maximum number of vessels with purse seines | Maximum number of vessels with longlines |
|--------------|---|--|
| Spain        | pm  | pm                                       |
| France       | pm  | pm                                       |
| Portugal     | pm  | pm                                       |
| Union        | pm  | pm                                       |

---

**ANNEX VII**

**CCAMLR CONVENTION AREA**

Exploratory fishing for toothfish in the CCAMLR Convention Area in 2020/2021 shall be limited to the following:

Table A

Authorised Member States, subareas and maximum number of vessels

| Member State | Area | Maximum number of vessels |
|--------------|------|---------------------------|
| Spain        | 48.6 | pm                        |
| Spain        | 88.1 | pm                        |

Table B

## TACs and by-catch limits

The TACs set out below, which are adopted by CCAMLR, are not allocated to CCAMLR members and hence the Union's share is undetermined. Catches are monitored by the CCAMLR Secretariat which will communicate to the Contracting Parties when fishing is to be ceased due to TAC exhaustion

| Subarea | Region        | Season                              | SSRUs (48.6) or research blocks (88.1) | <i>Dissostichus mawsoni</i> catch limit (in tonnes)/SSRUs (48.6) or research blocks (88.1) | <i>Dissostichus mawsoni</i> catch limit (in tonnes)/whole subarea | By-catch limit (in tonnes)/SSRUs (48.6) or research blocks (88.1) |                                    |               |
|---------|---------------|-------------------------------------|--|--|---|---|------------------------------------|---------------|
|         |               |                                     |  |  |   | Skates and rays   | <i>Macrourus</i> spp. <sup>1</sup> | Other species |
| 48.6    | Whole subarea | 1 December 2020 to 30 November 2021 | 48.6_2                                 | pm   | pm  | pm  | pm                                 | pm            |
|         |               |                                     | 48.6_3                                 | pm   |   | pm  | pm                                 | pm            |
|         |               |                                     | 48.6_4                                 | pm   |   | pm  | pm                                 | pm            |
|         |               |                                     | 48.6_5                                 | pm   |   | pm  | pm                                 | pm            |

<sup>1</sup> In area 88.1, where the catch of *Macrourus* spp. taken by a single vessel in any two 10-day periods (i.e. from day 1 to day 10, day 11 to day 20, or day 21 to the last day of the month) in any SSRU exceeds 1 500 kg in each 10-day period and exceeds 16 % of the catch of *Dissostichus* spp. by that vessel in that SSRU, the vessel shall cease fishing in that SSRU for the remainder of the season.

| Subarea | Region        | Season                            | SSRUs (48.6) or research blocks (88.1)                             | <i>Dissostichus mawsoni</i> catch limit (in tonnes)/SSRUs (48.6) or research blocks (88.1) | <i>Dissostichus mawsoni</i> catch limit (in tonnes)/whole subarea | By-catch limit (in tonnes)/SSRUs (48.6) or research blocks (88.1) |                                    |               |
|---------|---------------|-----------------------------------|--|--|---|---|------------------------------------|---------------|
|         |               |                                   |  |  |   | Skates and rays   | <i>Macrourus</i> spp. <sup>1</sup> | Other species |
| 88.1.   | Whole subarea | 1 December 2020 to 31 August 2021 | A, B, C, G <sup>1</sup>  | pm   | pm <sup>2</sup>   | pm  | pm                                 | pm            |
|         |               |                                   | G, H, I, J, K <sup>3</sup>   | pm   |   | pm  | pm                                 | pm            |
|         |               |                                   | Special Research Zone of the Ross Sea Region marine protected area | pm   |   | pm  | pm                                 | pm            |

<sup>1</sup> All areas outside the Ross Sea region marine protected area and north of 70° S.

<sup>2</sup> The target species is *Dissostichus mawsoni*. Any *Dissostichus eleginoides* caught shall be counted towards the overall catch limit for *Dissostichus mawsoni*.

<sup>3</sup> All areas outside the Ross Sea region marine protected area and south of 70° S.

Part A

Research blocks 48.6 coordinates

Research block 48.6\_2 coordinates

54° 00' S 01° 00' E

55° 00' S 01° 00' E

55° 00' S 02° 00' E

55° 30' S 02° 00' E

55° 30' S 04° 00' E

56° 30' S 04° 00' E

56° 30' S 07° 00' E

56° 00' S 07° 00' E

56° 00' S 08° 00' E

54° 00' S 08° 00' E

54° 00' S 09° 00' E

53° 00' S 09° 00' E

53° 00' S 03° 00' E

53° 30' S 03° 00' E

53° 30' S 02° 00' E

54° 00' S 02° 00' E

Research block 48.6\_3 coordinates

64° 30' S 01° 00' E

66° 00' S 01° 00' E

66° 00' S 04° 00' E

65° 00' S 04° 00' E

65° 00' S 07° 00' E

64° 30' S 07° 00' E

Research block 48.6\_4 coordinates

68° 20' S 10° 00' E

68° 20' S 13° 00' E

69° 30' S 13° 00' E

69° 30' S 10° 00' E

69° 45' S 10° 00' E

69° 45' S 06° 00' E

69° 00' S 06° 00' E

69° 00' S 10° 00' E

Research block 48.6\_5 coordinates

71° 00' S 15° 00' W  
 71° 00' S 13° 00' W  
 70° 30' S 13° 00' W  
 70° 30' S 11° 00' W  
 70° 30' S 10° 00' W  
 69° 30' S 10° 00' W  
 69° 30' S 09° 00' W  
 70° 00' S 09° 00' W  
 70° 00' S 08° 00' W  
 69° 30' S 08° 00' W  
 69° 30' S 07° 00' W  
 70° 30' S 07° 00' W  
 70° 30' S 10° 00' W  
 71° 00' S 10° 00' W  
 71° 00' S 11° 00' W  
 71° 30' S 11° 00' W  
 71° 30' S 15° 00' W

List of small-scale research units (SSRUs)

| Region | SSRU | Boundary line   |
|--------|------|---|
| 88.1   | A    | From 60° S 150° E, due east to 170° E, due south to 65° S, due west to 150° E, due north to 60° S.  |
|        | B    | From 60° S 170° E, due east to 179° E, due south to 66°40' S, due west to 170° E, due north to 60° S.   |
|        | C    | From 60° S 179° E, due east to 170° W, due south to 70° S, due west to 178° W, due north to 66°40' S, due west to 179° E, due north to 60° S. |
|        | D    | From 65° S 150° E, due east to 160° E, due south to coast, westward along coast to 150° E, due north to 65° S.                                |
|        | E    | From 65° S 160° E, due east to 170° E, due south to 68° 30' S, due west to 160° E, due north to 65° S.  |
|        | F    | From 68° 30' S 160° E, due east to 170° E, due south to coast, westward along coast to 160° E, due north to 68° 30' S.                        |

| Region | SSRU | Boundary line   |
|--------|------|---|
|        | G    | From 66° 40' S 170° E, due east to 178° W, due south to 70° S, due west to 178° 50' E, due south to 70° 50' S, due west to 170° E, due north to 66°40' S. |
|        | H    | From 70° 50' S 170° E, due east to 178° 50' E, due south to 73° S, due west to coast, northward along coast to 170° E, due north to 70° 50' S.            |
|        | I    | From 70° S 178° 50' E, due east to 170° W, due south to 73° S, due west to 178° 50' E, due north to 70° S.  |
|        | J    | From 73° S at coast near 170° E, due east to 178° 50' E, due south to 80° S, due west to 170° E, northward along coast to 73° S.                          |
|        | K    | From 73° S 178° 50' E, due east to 170° W, due south to 76° S, due west to 178° 50' E, due north to 73° S.  |
|        | L    | From 76° S 178° 50' E, due east to 170° W, due south to 80° S, due west to 178° 50' E, due north to 76° S.  |
|        | M    | From 73° S at coast near 169° 30' E, due east to 170° E, due south to 80° S, due west to coast, northward along coast to 73° S.                           |

Part B

NOTIFICATION OF INTENT TO PARTICIPATE IN A FISHERY  
FOR *EUPHAUSIA SUPERBA*

General information

Member: .....

Fishing season: .....

Name of vessel: .....

Expected level of catch (tonnes): .....

Vessel's daily processing capacity (tonnes in green weight): .....

Intended fishing subareas and divisions

This conservation measure applies to notifications of intentions to fish for krill in Subareas 48.1, 48.2, 48.3 and 48.4 and Divisions 58.4.1 and 58.4.2. Intentions to fish for krill in other subareas and divisions must be notified under Conservation Measure 21-02.

| Subarea/division | Tick the appropriate boxes |
|------------------|----------------------------|
| 48.1             | <input type="checkbox"/>   |
| 48.2             | <input type="checkbox"/>   |
| 48.3             | <input type="checkbox"/>   |
| 48.4             | <input type="checkbox"/>   |
| 58.4.1           | <input type="checkbox"/>   |
| 58.4.2           | <input type="checkbox"/>   |



Fishing technique: Tick the appropriate boxes

- Conventional trawl
- Continuous fishing system
- Pumping to clear cod-end
- Other method (please specify)

Product types and methods for direct estimation of green weight of krill caught

| Product type   | Method for direct estimation of green weight of krill caught, where relevant (refer to Annex 21-03/B) <sup>(1)</sup> |
|--|--|
| Whole frozen   |  |
| Boiled   |  |
| Meal   |  |
| Oil  |  |
| Other product (please specify)   |  |
| <sup>(1)</sup> If the method is not listed in Annex 21-03/B, then please describe in detail. |  |

Net configuration

| Net measurements  | Net 1                |                      | Net 2                |                      | Other net(s)         |                      |
|---|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|
| Net opening (mouth)   |                      |                      |                      |                      |                      |                      |
| Maximum vertical opening (m)  |                      |                      |                      |                      |                      |                      |
| Maximum horizontal opening (m)  |                      |                      |                      |                      |                      |                      |
| Net circumference at mouth <sup>(1)</sup> (m)   |                      |                      |                      |                      |                      |                      |
| Mouth area (m <sup>2</sup> )  |                      |                      |                      |                      |                      |                      |
| Panel average mesh size <sup>(3)</sup> (mm)   | Outer <sup>(2)</sup> | Inner <sup>(2)</sup> | Outer <sup>(2)</sup> | Inner <sup>(2)</sup> | Outer <sup>(2)</sup> | Inner <sup>(2)</sup> |
| 1st panel   |                      |                      |                      |                      |                      |                      |
| 2nd panel   |                      |                      |                      |                      |                      |                      |
| 3rd panel   |                      |                      |                      |                      |                      |                      |
| ...   |                      |                      |                      |                      |                      |                      |
| Final panel (cod-end)   |                      |                      |                      |                      |                      |                      |
| <sup>(1)</sup> Expected in operational conditions.<br><sup>(2)</sup> Size of outer mesh, and inner mesh where a liner is used.<br><sup>(3)</sup> Inside measurement of stretched mesh based on the procedure in Conservation Measure 22-01. |                      |                      |                      |                      |                      |                      |

Net diagram(s): .....

For each net used, or any change in net configuration, refer to the relevant net diagram in the CCAMLR fishing gear library if available ([www.ccamlr.org/node/74407](http://www.ccamlr.org/node/74407)), or submit a detailed diagram and description to the forthcoming meeting of WG-EMM. Net diagram(s) must include:

1. Length and width of each trawl panel (in sufficient detail to allow calculation of the angle of each panel with respect to water flow).
2. Mesh size (inside measurement of stretched mesh based on the procedure in Conservation Measure 22-01), shape (e.g. diamond shape) and material (e.g. polypropylene).
3. Mesh construction (e.g. knotted, fused).
4. Details of streamers used inside the trawl (design, location on panels, indicate 'nil' if streamers are not in use); streamers prevent krill fouling the mesh or escaping.

Marine mammal exclusion device

Device diagram(s): .....

For each type of device used, or any change in device configuration, refer to the relevant diagram in the CCAMLR fishing gear library if available ([www.ccamlr.org/node/74407](http://www.ccamlr.org/node/74407)), or submit a detailed diagram and description to the forthcoming meeting of WG-EMM.

Collection of acoustic data

Provide information on the echosounders and sonars used by the vessel

|                                |  |  |  |
|--------------------------------|--|--|--|
| Type (e.g. echosounder, sonar) |  |  |  |
| Manufacturer                   |  |  |  |
| Model                          |  |  |  |
| Transducer frequencies (kHz)   |  |  |  |

Collection of acoustic data (detailed description): .....

Outline steps which will be taken to collect acoustic data to provide information on the distribution and abundance of *Euphausia superba* and other pelagic species such as myctophids and salps (SC-CAMLR-XXX, paragraph 2.10).

GUIDELINES FOR ESTIMATING  
THE GREEN WEIGHT OF KRILL CAUGHT

| Method                    | Equation (kg)               | Parameter   |                             |                                 |          |
|---------------------------|-----------------------------|---|-----------------------------|---------------------------------|----------|
|                           |                             | Description   | Type                        | Estimation method               | Unit     |
| Holding tank volume       | $W * L * H * \rho * 1\ 000$ | W = tank width  | Constant                    | Measure at the start of fishing | m        |
|                           |                             | L = tank length   | Constant                    | Measure at the start of fishing | m        |
|                           |                             | $\rho$ = volume-to-mass conversion factor                   | Variable                    | Volume-to-mass conversion       | kg/litre |
|                           |                             | H = depth of krill in tank                                  | Haul-specific               | Direct observation              | m        |
| Flow meter <sup>(1)</sup> | $V * F_{krill} * \rho$      | V = volume of krill and water combined                      | Haul <sup>1</sup> -specific | Direct observation              | litre    |
|                           |                             | $F_{krill}$ = fraction of krill in the sample               | Haul <sup>1</sup> -specific | Flow meter volume correction    | -        |
|                           |                             | $\rho$ = volume-to-mass conversion factor                   | Variable                    | Volume-to-mass conversion       | kg/litre |
| Flow meter <sup>(2)</sup> | $(V * \rho) - M$            | V = volume of krill paste                                   | Haul <sup>1</sup> -specific | Direct observation              | litre    |
|                           |                             | M = amount of water added to the process, converted to mass | Haul <sup>1</sup> -specific | Direct observation              | kg       |
|                           |                             | $\rho$ = density of krill paste                             | Variable                    | Direct observation              | kg/litre |

| Method          | Equation (kg)             | Parameter                                  |                             |  |          |
|-----------------|---------------------------|--|-----------------------------|--|----------|
|                 |                           | Description                                | Type                        | Estimation method  | Unit     |
| Flow scale      | $M*(1-F)$                 | $M$ = mass of krill and water combined     | Haul <sup>2</sup> -specific | Direct observation                                       | kg       |
|                 |                           | $F$ = fraction of water in the sample      | Variable                    | Flow scale mass correction                               | -        |
| Plate tray      | $(M-M_{\text{tray}})*N$   | $M_{\text{tray}}$ = mass of empty tray     | Constant                    | Direct observation prior to fishing                      | kg       |
|                 |                           | $M$ = mean mass of krill and tray combined | Variable                    | Direct observation, prior to freezing with water drained | kg       |
|                 |                           | $N$ = number of trays                      | Haul-specific               | Direct observation                                       | -        |
| Meal conversion | $M_{\text{meal}}*MCF$     | $M_{\text{meal}}$ = mass of meal produced  | Haul-specific               | Direct observation                                       | kg       |
|                 |                           | $MCF$ = meal conversion factor             | Variable                    | Meal to whole krill conversion                           | -        |
| Cod-end volume  | $W*H*L*\rho*\pi/4*1\ 000$ | $W$ = cod-end width                        | Constant                    | Measure at the start of fishing                          | m        |
|                 |                           | $H$ = cod-end height                       | Constant                    | Measure at the start of fishing                          | m        |
|                 |                           | $\rho$ = volume-to-mass conversion factor  | Variable                    | Volume-to-mass conversion                                | kg/litre |
|                 |                           | $L$ = cod-end length                       | Haul-specific               | Direct observation                                       | m        |
| Other           | Please specify            |  |                             |  |          |

(1) Individual haul when using a conventional trawl, or integrated over a six-hour period when using the continuous fishing system.  
(2) Individual haul when using a conventional trawl, or a two-hour period when using the continuous fishing system.

## Observation steps and frequency

### Holding tank volume

At the start of fishing Measure the width and length of the holding tank (if the tank is not rectangular in shape, then additional measurements may be required; precision  $\pm 0,05$  m)

Every month<sup>(1)</sup> Estimate the volume-to-mass conversion derived from the drained mass of krill in a known volume (e.g. 10 litres) taken from the holding tank

Every haul Measure the depth of krill in the tank (if krill are held in the tank between hauls, then measure the difference in depth; precision  $\pm 0,1$  m)

Estimate the green weight of krill caught (using equation)

### Flow meter<sup>(1)</sup>

Prior to fishing Ensure that the flow meter is measuring whole krill (i.e. prior to processing)

More than once per month<sup>(1)</sup> Estimate the volume-to-mass conversion ( $\rho$ ) derived from the drained mass of krill in a known volume (e.g. 10 litres) taken from the flow meter

Every haul<sup>(2)</sup> Obtain a sample from the flow meter and:

– measure the volume (e.g. 10 litres) of krill and water combined

– estimate the flow meter volume correction derived from the drained volume of krill

Estimate the green weight of krill caught (using equation)

Flow meter<sup>(2)</sup>

Prior to fishing                      Ensure that both flow meters (one for the krill product and one for the water added) are calibrated (i.e. show the same, correct reading)

Every week<sup>(1)</sup>                        Estimate the density ( $\rho$ ) of the krill product (ground krill paste) by measuring the mass of a known volume of krill product (e.g. 10 litres) taken from the corresponding flow meter

Every haul<sup>(2)</sup>                         Read both flow meters, and calculate the total volumes of the krill product (ground krill paste) and that of the water added; density of the water is assumed to be 1 kg/litre  
Estimate the green weight of krill caught (using equation)

Flow scale

Prior to fishing                        Ensure that the flow scale is measuring whole krill (i.e. prior to processing)

Every haul<sup>(2)</sup>                         Obtain a sample from the flow scale and:  
– measure the mass of krill and water combined  
– estimate the flow scale mass correction derived from the drained mass of krill  
Estimate the green weight of krill caught (using equation)

Plate tray

Prior to fishing Measure the mass of the tray (if trays vary in design, then measure the mass of each type; precision  $\pm 0,1$  kg)

Every haul Measure the mass of krill and tray combined (precision  $\pm 0,1$  kg)  
Count the number of trays used (if trays vary in design, then count the number of trays of each type)  
Estimate the green weight of krill caught (using equation)

Meal conversion

Every month<sup>(1)</sup> Estimate the meal to whole krill conversion by processing 1 000 to 5 000 kg (drained mass) of whole krill

Every haul Measure the mass of meal produced  
Estimate the green weight of krill caught (using equation)

## Cod-end volume

|                            |   |
|----------------------------|---|
| At the start of fishing    | Measure the width and height of the cod-end (precision $\pm 0,1$ m)   |
| Every month <sup>(1)</sup> | Estimate the volume-to-mass conversion derived from the drained mass of krill in a known volume (e.g. 10 litres) taken from the cod-end |
| Every haul                 | Measure the length of cod-end containing krill (precision $\pm 0,1$ m)<br>Estimate the green weight of krill caught (using equation)    |

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<sup>(1)</sup> A new period will commence when the vessel moves to a new subarea or division.

<sup>(2)</sup> Individual haul when using a conventional trawl, or integrated over a six-hour period when using the continuous fishing system.



## ANNEX VIII

### IOTC AREA OF COMPETENCE

1. Maximum number of Union fishing vessels authorised to fish for tropical tunas in the IOTC Area of Competence

| Member State | Maximum number of vessels | Capacity (gross tonnage) |
|--------------|---------------------------|--------------------------|
| Spain        | pm                        | pm                       |
| France       | pm                        | pm                       |
| Portugal     | pm                        | pm                       |
| Italy        | pm                        | pm                       |
| Union        | pm                        | pm                       |

2. Maximum number of Union fishing vessels authorised to fish for swordfish and albacore in the IOTC Area of Competence

| Member State | Maximum number of vessels | Capacity (gross tonnage) |
|--------------|---------------------------|--------------------------|
| Spain        | pm                        | pm                       |
| France       | pm <sup>(1)</sup>         | pm                       |
| Portugal     | pm                        | pm                       |
| Union        | pm                        | pm                       |

<sup>(1)</sup> This figure does not include vessels registered in Mayotte; it may be increased in the future in accordance with Mayotte's fleet development plan.

3. The vessels referred to in point 1 shall also be authorised to fish for swordfish and albacore in the IOTC Area of Competence.
4. The vessels referred to in point 2 shall also be authorised to fish for tropical tunas in the IOTC Area of Competence.
-

**ANNEX IX**

WCPFC CONVENTION AREA

Maximum number of Union fishing vessels authorised to fish for swordfish in areas south of 20° S of the WCPFC Convention Area

|       |    |
|-------|----|
| Spain | pm |
| Union | pm |

Maximum number of Union purse seiners authorised to fish for tropical tuna in areas south of 20° S of the WCPFC Convention Area

|       |    |
|-------|----|
| Spain | pm |
| Union | pm |

---