



**COUNCIL OF
THE EUROPEAN UNION**

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COVER NOTE

from: Secretary-General of the European Commission,
signed by Mr Jordi AYET PUIGARNAU, Director

date of receipt: 17 April 2012

to: Mr Uwe CORSEPIUS, Secretary-General of the Council of the European
Union

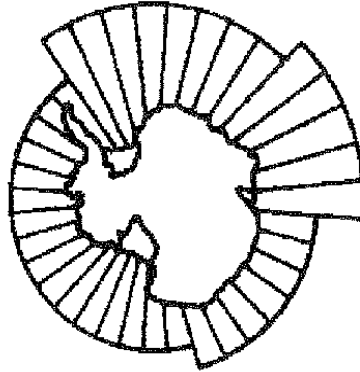
Subject: Commission for the Conservation of the Antarctic Living Marine Resources
(CCAMLR) - Notification of Conservation Measures, Resolutions and the
2011 Illegal, Unregulated, Unreported list of vessels (so-called IUU list)
adopted at the XXX Annual Meeting, Hobart,
Australia, 24 October - 4 November 2011

Delegations will find attached a copy of the above-mentioned documents¹.

Encl.: Conservation Measures and Resolutions
Combined IUU vessels lists

¹ These documents were received by the General Secretariat of the Council in English only.

**COMMISSION FOR THE CONSERVATION OF
ANTARCTIC MARINE LIVING RESOURCES**



ADVANCE COPY*

**CONSERVATION MEASURES AND RESOLUTIONS
ADOPTED AT CCAMLR-XXX**

*** DISCLAIMER – This is an advance copy of the Conservation Measures and Resolutions adopted at CCAMLR-XXX. Minor editorial changes may be made during preparation for final publication in the *Schedule of Conservation Measures in Force 2011/12*. Those wishing to reference material included in this document are advised to seek prior approval to do so from the CCAMLR Secretariat (ccamlr@ccamlr.org).**

**CONSERVATION MEASURES AND RESOLUTIONS
ADOPTED AT CCAMLR-XXX**

**CONSERVATION MEASURE 10-02 (2011)^{1,2}
Licensing and inspection obligations of Contracting Parties with
regard to their flag vessels operating in the Convention Area**

Species	all
Area	all
Season	all
Gear	all

1. Each Contracting Party shall prohibit fishing by its flag vessels in the Convention Area except pursuant to a licence³ that the Contracting Party has issued setting forth the specific areas, species and time periods for which such fishing is authorised and all other specific conditions to which the fishing is subject to give effect to CCAMLR conservation measures and requirements under the Convention.
2. A Contracting Party may only issue such a licence to fish in the Convention Area to a vessel flying its flag, if the vessel has an IMO number⁴ and if the Contracting Party is satisfied of the vessel's ability to exercise its responsibilities under the Convention and its conservation measures, by requiring from the vessel, inter alia, the following:
 - (i) timely notification by the vessel to its Flag State of exit from and entry into any port;
 - (ii) notification by the vessel to its Flag State of entry into the Convention Area and movement between areas, subareas/divisions;
 - (iii) reporting by the vessel of catch data in accordance with CCAMLR requirements;
 - (iv) reporting, where possible as set out in Annex 10-02/A by the vessel of sightings of fishing vessels⁵ in the Convention Area;
 - (v) operation of a VMS system on board the vessel in accordance with Conservation Measure 10-04;
 - (vi) noting the International Management Code for the Safe Operation of Ships and for Pollution Prevention (International Safety Management Code), from 1 December 2009:
 - (a) adequate communication equipment (including MF/HF radio and carriage of at least one 406MHz EPIRB) and trained operators on board. Wherever possible, vessels should be fitted with Global Maritime Distress and Safety System (GMDSS) equipment;
 - (b) sufficient immersion survival suits for all on board;
 - (c) adequate arrangements to handle medical emergencies that may arise in the course of the voyage;
 - (d) reserves of food, fresh water, fuel and spare parts for critical equipment to provide for unforeseen delays and besetment;

- (c) an approved⁶ Shipboard Oil Pollution Emergency Plan (SOPEP) outlining marine pollution mitigation arrangements (including insurance) in the event of a fuel or waste spill.
3. Each Contracting Party shall provide to the Secretariat within seven days of the issuance of each licence the following information about licences issued:
- (i) name of fishing vessel (any previous names if known)⁷, registration number⁸, IMO number (where relevant), external markings and port of registry;
 - (ii) the nature of the authorisation to fish granted by the Flag State, specifying time periods authorised for fishing (start and end dates), area(s), subareas or divisions of fishing, species targeted and gear used;
 - (iii) previous flag (if any)⁷;
 - (iv) international radio call sign;
 - (v) name and address of vessel's owner(s), and any beneficial owner(s) if known;
 - (vi) name and address of licence owner (if different from vessel owner(s));
 - (vii) type of vessel;
 - (viii) where and when built;
 - (ix) length (m);
 - (x) high-resolution colour photographs of the vessel of appropriate brightness and contrast⁹ which shall consist of:
 - one photograph not smaller than 12 x 7 cm showing the starboard side of the vessel displaying its full overall length and complete structural features;
 - one photograph not smaller than 12 x 7 cm showing the port side of the vessel displaying its full overall length and complete structural features;
 - one photograph not smaller than 12 x 7 cm showing the stern taken directly from astern;
 - (xi) where applicable, in accordance with Conservation Measure 10-04, details of the implementation of the tamper-proof requirements of the satellite monitoring device installed on board.
4. Each Contracting Party shall, to the extent practicable, also provide to the Secretariat at the same time as submitting information in accordance with paragraph 3, the following additional information in respect to each fishing vessel licensed:
- (i) name and address of operator, if different from vessel owners;
 - (ii) names and nationality of master and, where relevant, of fishing master;

- (iii) type of fishing method or methods;
 - (iv) beam (m);
 - (v) gross registered tonnage;
 - (vi) vessel communication types and numbers (INMARSAT A, B and C numbers);
 - (vii) normal crew complement;
 - (viii) power of main engine or engines (kW);
 - (ix) carrying capacity (tonnes), number of fish holds and their capacity (m³);
 - (x) any other information in respect of each licensed vessel they consider appropriate (e.g. ice classification) for the purposes of the implementation of the conservation measures adopted by the Commission.
5. Contracting Parties shall communicate without delay to the Secretariat any change to any of the information submitted in accordance with paragraphs 3 and 4.
 6. The Executive Secretary shall place a list of licensed vessels on the public section of the CCAMLR website.
 7. The licence or an authorised copy of the licence must be carried by the fishing vessel and must be available for inspection at any time by a designated CCAMLR inspector in the Convention Area.
 8. Each Contracting Party shall verify, through inspections of all of its fishing vessels at the Party's departure and arrival ports, and where appropriate, in its Exclusive Economic Zone, its compliance with the conditions of the licence as described in paragraph 1 and with the CCAMLR conservation measures. In the event that there is evidence that the vessel has not fished in accordance with the conditions of its licence, the Contracting Party shall investigate the infringement and, if necessary, apply appropriate sanctions in accordance with its national legislation.
 9. Each Contracting Party shall include in its annual report pursuant to paragraph 12 of the CCAMLR System of Inspection, steps it has taken to implement and apply this conservation measure; and may include additional measures it may have taken in relation to its flag vessels to promote the effectiveness of CCAMLR conservation measures.
 10. Each Contracting Party shall conduct an investigation into every very serious marine casualty in the CAMLR Convention Area involving a fishing vessel flying its flag. For the purposes of this conservation measure, a 'very serious marine casualty' means a marine casualty involving the total loss of the fishing vessel, loss of life, severe damage to the marine environment¹⁰, serious injury to its own or another State's nationals, or serious damage¹¹ to its own or another State's vessels or installations. The Contracting Party shall forward its investigation report to the International Maritime Organization (IMO) and/or other relevant competent organisations, and also make available to CCAMLR Members a summary report of the findings and recommendations of

relevance to CCAMLR. The Contracting Party shall notify CCAMLR of any findings made by the IMO and/or other organisations to which the investigation report was sent.

- ¹ Except for waters adjacent to the Kerguelen and Crozet Islands
- ² Except for waters adjacent to the Prince Edward Islands
- ³ Includes permit and authorisation.
- ⁴ The IMO number provision applies only to vessels targeting toothfish.
- ⁵ Including support vessels such as reefer vessels.
- ⁶ Shipboard Oil Pollution Emergency Plan to be approved by the Maritime Safety Authority of the Flag State.
- ⁷ In respect of any vessel reflagged within the previous 12 months, any information on the details of the process of (reasons for) previous deregistration of the vessel from other registries, if known.
- ⁸ National registry number
- ⁹ All photographs shall be of sufficient quality to enable clear identification of the vessel.
- ¹⁰ For the purposes of this conservation measure, 'severe damage to the marine environment' refers to discharges of oil, hazardous substances, marine pollutants or noxious liquid substances (regardless of quantity) which produce a major deleterious effect upon the environment.
- ¹¹ For the purposes of this conservation measure, 'serious damage' includes fire, explosion, collision, grounding, severe heavy weather or ice damage, hull cracking, severe structural damage, or breakdown necessitating towage or shore assistance.

ANNEX 10-02/A

REPORTING OF VESSEL SIGHTINGS

1. In the event that the master of a licensed fishing vessel sights a fishing vessel⁵ within the Convention Area, the master shall document as much information as possible on each such sighting, including:
 - (a) name and description of the vessel
 - (b) vessel call sign
 - (c) registration number and the Lloyds/IMO number⁴ of the vessel
 - (d) Flag State of the vessel
 - (e) photographs of the vessel to support the report
 - (f) any other relevant information regarding the observed activities of the sighted vessel.
2. The master shall forward a report containing the information referred to in paragraph 1 to their Flag State as soon as possible. The Flag State shall submit to the Secretariat any such reports that meet the criteria of paragraph 3 of Conservation Measure 10-06 or paragraph 8 of Conservation Measure 10-07.
3. The Secretariat shall use such reports for compiling estimates of IUU activities.

CONSERVATION MEASURE 10-04 (2011)
Automated satellite-linked Vessel Monitoring Systems (VMS)

Species	all
Area	all
Season	all
Gear	all

The Commission,

Recognising that in order to promote the objectives of the Convention and further improve compliance with the relevant conservation measures,

Convinced that illegal, unreported and unregulated (IUU) fishing compromises the objective of the Convention,

Recalling that Contracting Parties are required to cooperate in taking appropriate action to deter any fishing activities which are not consistent with the objective of the Convention,

Mindful of the rights and obligations of Flag States and Port States to promote the effectiveness of conservation measures,

Wanting to reinforce the conservation measures already adopted by the Commission,

Recognising the obligations and responsibilities of Contracting Parties under the Catch Documentation Scheme for *Dissostichus* spp. (CDS),

Recalling provisions as made under Article XXIV of the Convention,

Committed to take steps, consistent with international law, to identify the origins of *Dissostichus* spp. entering the markets of Contracting Parties and to determine whether *Dissostichus* spp. harvested in the Convention Area that is imported into their territories was caught in a manner consistent with CCAMLR conservation measures,

hereby adopts the following conservation measure in accordance with Article IX of the Convention:

1. Each Contracting Party shall ensure that its fishing vessels, licensed¹ in accordance with Conservation Measure 10-02, are equipped with a satellite-linked vessel monitoring device allowing for the continuous reporting of their position in the Convention Area for the duration of the licence issued by the Flag State. The vessel monitoring device shall automatically communicate at least every four hours to a land-based fisheries monitoring centre (FMC) of the Flag State of the vessel the following data:
 - (i) fishing vessel identification;
 - (ii) the current geographical position (latitude and longitude) of the vessel, with a position error which shall be less than 500 m, with a confidence interval of 99%; and
 - (iii) the date and time (expressed in UTC) of the fixing of the said position of the vessel.

2. Each Contracting Party as a Flag State shall ensure that the vessel monitoring device(s) on board its vessels are tamper proof, i.e. are of a type and configuration that prevent the input or output of false positions, and that are not capable of being over-ridden, whether manually, electronically or otherwise. To this end, the on-board satellite monitoring device must:
 - (i) be located within a sealed unit; and
 - (ii) be protected by official seals (or mechanisms) of a type that indicate whether the unit has been accessed or tampered with.
3. In the event that a Contracting Party has information to suspect that an on-board vessel monitoring device does not meet the requirements of paragraph 2, or has been tampered with, it shall immediately notify the Secretariat and the vessel's Flag State.
4. Each Contracting Party shall ensure that its FMC receives Vessel Monitoring System (VMS) reports and messages, and that the FMC is equipped with computer hardware and software enabling automatic data processing and electronic data transmission. Each Contracting Party shall provide for backup and recovery procedures in case of system failures.
5. Masters and owners/licensees of fishing vessels subject to VMS shall ensure that the vessel monitoring device on board their vessels within the Convention Area is at all times fully operational as per paragraph 1, and that the data are transmitted to the Flag State. Masters and owners/licensees shall in particular ensure that:
 - (i) VMS reports and messages are not altered in any way;
 - (ii) the antennae connected to the satellite monitoring device are not obstructed in any way;
 - (iii) the power supply of the satellite monitoring device is not interrupted in any way; and
 - (iv) the vessel monitoring device is not removed from the vessel.
6. A vessel monitoring device shall be active within the Convention Area. It may, however, be switched off when the fishing vessel is in port for a period of more than one week, subject to prior notification to the Flag State, and if the Flag State so desires also to the Secretariat, and providing that the first position report generated following the re-powering (activating) shows that the fishing vessel has not changed position compared to the last report.
7. In the event of a technical failure or non-functioning of the vessel monitoring device on board the fishing vessel, the master or the owner of the vessel, or their representative, shall communicate to the Flag State every six hours, and if the Flag State so desires also to the Secretariat, starting at the time that the failure or the non-functioning was detected or notified in accordance with paragraph 11, the up-to-date geographical position of the vessel by electronic means (email, facsimile, telex, telephone message, radio).

8. Vessels with a defective vessel monitoring device shall take immediate steps to have the device repaired or replaced as soon as possible and, in any event, within two months. If the vessel during that time returns to port, it shall not be allowed by the Flag State to commence a further fishing trip in the Convention Area without having the defective device repaired or replaced.
9. When the Flag State has not received for 12 hours data transmissions referred to in paragraphs 1 and 7, or has reasons to doubt the correctness of the data transmissions under paragraphs 1 and 7, it shall as soon as possible notify the master or the owner or the representative thereof. If this situation occurs more than two times within a period of one year in respect of a particular vessel, the Flag State of the vessel shall investigate the matter, including having an authorised official check the device in question, in order to establish whether the equipment has been tampered with. The outcome of this investigation shall be forwarded to the CCAMLR Secretariat within 30 days of its completion.
- 10.^{2,3} Each Contracting Party shall forward VMS reports and messages received, pursuant to paragraph 1, to the CCAMLR Secretariat as soon as possible:
 - (i) but not later than four hours after receipt for those exploratory longline fisheries subject to conservation measures adopted at CCAMLR-XXIII; or
 - (ii) but not later than 10 working days following departure from the Convention Area for all other fisheries.
11. With regard to paragraphs 7 and 10(i), each Contracting Party shall, as soon as possible but no later than two working days following detection or notification of technical failure or non-functioning of the vessel monitoring device on board the fishing vessel, forward the geographical positions of the vessel to the Secretariat, or shall ensure that these positions are forwarded to the Secretariat by the master or the owner of the vessel, or their representative.
12. Each Flag State shall ensure that VMS reports and messages transmitted by the Contracting Party or its fishing vessels to the CCAMLR Secretariat, are in a computer-readable form in the data exchange format set out in Annex 10-04/A.
13. Each Flag State shall in addition separately notify by email or other means the CCAMLR Secretariat within 24 hours of each entry to, exit from and movement between subareas and divisions of the Convention Area by each of its fishing vessels in the format outlined in Annex 10-04/A. When a vessel intends to enter a closed area, or an area for which it is not licensed to fish, the Flag State shall provide prior notification to the Secretariat of the vessel's intentions. The Flag State may permit or direct that such notifications be provided by the vessel directly to the Secretariat.
14. Without prejudice to its responsibilities as a Flag State, if the Contracting Party so desires, it shall ensure that each of its vessels communicates the reports referred to in paragraphs 10 and 13 in parallel to the CCAMLR Secretariat.

15. Each Flag State shall notify to the CCAMLR Secretariat any changes without delay to the name, address, email, telephone and facsimile numbers, as well as the address of electronic communication of the relevant authorities of their FMC.
16. In the event that the CCAMLR Secretariat has not, for 48 consecutive hours, received the data transmissions referred to in paragraph 10(i), it shall promptly notify the Flag State of the vessel and require an explanation. The CCAMLR Secretariat shall promptly inform the Commission if the data transmissions at issue, or the Flag State explanation, are not received from the Contracting Party within a further five working days.
17. If VMS data received by the Secretariat indicate the presence of a vessel in an area or subarea for which no license details have been provided by the Flag State to the Secretariat as required by Conservation Measure 10-02, or in any area or subarea for which the Flag State or fishing vessel has not provided prior notification as required by paragraph 13, then the Secretariat shall notify the Flag State and require an explanation. The explanation shall be forwarded to the Secretariat for evaluation by the Commission at its next annual meeting.
18. The CCAMLR Secretariat and all Parties receiving data shall treat all VMS reports and messages received under paragraph 10 or paragraphs 19, 20, 21 or 22 in a confidential manner in accordance with the confidentiality rules established by the Commission as contained in Annex 10-04/B. Data from individual vessels shall be used for compliance purposes only, namely for:
 - (i) planning for active surveillance presence, and/or inspections by a Contracting Party in a specified CCAMLR subarea or division;
 - (ii) active surveillance presence, and/or inspections by a Contracting Party in a specified CCAMLR subarea or division; or
 - (iii) the purposes of verifying the content of a *Dissostichus* Catch Document (DCD).
19. The CCAMLR Secretariat shall place a list of vessels submitting VMS reports and messages pursuant to this conservation measure on a password-protected section of the CCAMLR website. This list shall be divided into subareas and divisions, without indicating the exact positions of vessels, and be updated when a vessel changes subarea or division. The list shall be posted daily by the Secretariat, establishing an electronic archive.
20. VMS data shall be provided by the Secretariat to a requesting Contracting Party other than the Flag State without the permission of the Flag State for the purposes of paragraph 18(i). Data shall only be provided by the Secretariat for surveillance and/or inspection planning where the requesting Contracting Party has designated inspectors, and has previously carried out active surveillance and/or inspection activity, in accordance with CCAMLR's System of Inspection. Contracting parties requesting the data shall provide the geographic area⁴ of the planned surveillance and/or inspection activity. In this case, the Secretariat shall provide current VMS data for the identified geographic area at a specified point in time no more than 48 hours prior to the commencement of each surveillance and/or inspection activity. In the event that planned

surveillance and/or inspection activities do not proceed, the Contracting Party will notify the Secretariat and destroy the data, and confirm the data destruction to the Secretariat in writing, without delay. The Secretariat shall notify the Flag State(s) that the VMS data were provided to the Contracting Party and that they have received confirmation that the data have been destroyed.

21. VMS reports and messages (including vessel locations), for the purposes of paragraph 18(ii) above, shall be provided by the Secretariat to a requesting Contracting Party other than the Flag State without the permission of the Flag State only during active surveillance, and/or inspection, in accordance with the CCAMLR System of Inspection and subject to the time frames set out in paragraph 10. In this case, the Secretariat shall provide VMS reports and messages, including vessel locations over the previous 10 days, for vessels actually detected during surveillance, and/or inspection, by a Contracting Party, and VMS reports and messages (including vessel locations) for all vessels within 100 n miles of that same location. The Secretariat shall provide regular updates of positions to the Contracting Party for the duration of the active surveillance, and/or inspection, in accordance with the CCAMLR System of Inspection. The Flag State(s) concerned shall be provided by the Party conducting the active surveillance, and/or inspection, with a report including name of the vessel or aircraft on active surveillance, and/or inspection under the CCAMLR System of Inspection, and the full name(s) of the CCAMLR inspector(s) and their ID number(s). The Parties conducting active surveillance, and/or inspection, shall make this information available to the Flag State(s) without undue delay after the surveillance and/or inspection activities are completed.
22. A Contracting Party may request the Secretariat to check VMS data from a vessel against the claims on a DCD in order to verify those claims. A Contracting Party may also request actual VMS reports and messages (including vessel locations) from the Secretariat for a vessel when verifying the claims on a DCD; the Secretariat shall provide that data only with Flag State permission.
23. Notwithstanding the requirements of paragraphs 1 and 4, Contracting Parties may request VMS data for their own flag vessels from the Secretariat.
24. The CCAMLR Secretariat shall annually, before 30 September, report on the implementation of and compliance with this conservation measure to the Commission.
 - ¹ Includes vessels licensed under French domestic law and vessels licensed under South African domestic law.
 - ² This paragraph does not apply to vessels licensed under French domestic law in the EEZs surrounding Kerguelen and Crozet Islands.
 - ³ This paragraph does not apply to vessels licensed under South African domestic law in the EEZ surrounding Prince Edward Islands.
 - ⁴ The area of planned surveillance and/or inspection activity shall be identified by CCAMLR subarea, division, or SSRU, whichever is the smallest geographical scale applicable to this area.

VMS DATA FORMAT
'POSITION', 'EXIT' AND 'ENTRY' REPORTS/MESSAGES

Data element	Field code	Mandatory/ Optional	Remarks
Start record	SR	M	System detail; indicates start of record.
Address	AD	M	Message detail; destination; 'XCA' for CCAMLR.
Sequence number	SQ	M ¹	Message detail; message serial number in current year.
Type of message	TM ²	M	Message detail; message type, 'POS' as position report/ message to be communicated by VMS or other means by vessels with a defective satellite tracking device.
Radio call sign	RC	M	Vessel registration detail; international radio call sign of the vessel.
Trip number	TN	O	Activity detail; fishing trip serial number in current year.
Vessel name	NA	M	Vessel registration detail; name of the vessel.
Contracting Party internal reference number	IR	O	Vessel registration detail. Unique Contracting Party vessel number as ISO-3 Flag State code followed by number.
External registration number	XR	O	Vessel registration detail; the side number of the vessel.
Latitude	LA	M ³	Activity detail; position.
Longitude	LO	M ³	Activity detail; position.
Latitude (decimal)	LT	M ³	Activity detail; position.
Longitude (decimal)	LG	M ³	Activity detail; position.
Date	DA	M	Message detail; position date.
Time	TI	M	Message detail; position time in UTC.
End of record	FR	M	System detail; indicates end of the record.

¹ Optional in case of a VMS message.

² Type of message shall be 'ENT' for the first VMS message from the Convention Area as detected by the FMC of the Contracting Party, or as directly submitted by the vessel.

Type of message shall be 'EXI' for the first VMS message from outside the Convention Area as detected by the FMC of the Contracting Party or as directly submitted by the vessel, and the values for latitude and longitude are, in this type of message, optional. Type of message shall be 'MAN' for reports communicated by vessels with a defective satellite tracking device.

³ Mandatory for manual messages.

⁴ Mandatory for VMS messages.

FORMAT FOR INDIRECT FLAG STATE REPORTING VIA EMAIL

Code	Code definition	Field contents	Example	Field contents explanation
SR	Start record	No data		No data
AD	Address	XCA	XCA	XCA = CCAMLR
SQ	Sequence number	XXX	123	Message sequence number
TM	Type of message	POS	POS	POS = position report, ENT = entry report, EXI = exit report
RC	Radio call sign	XXXXXX	AB1234	Maximum of 8 characters
NA	Vessel name	XXXXXXXX	Vessel Name	Maximum of 30 characters
LT	Latitude	DD.ddd	-55.000	+/- numeral in GIS format. Must specify - for South and + for North.
LG	Longitude	DDD.ddd	-020.000	+/- numeral in GIS format. Must specify - for West and + for East.
DA	Record date	YYYYMMDD	20050114	8 characters only
TI	Record time	IIIMM	0120	4 characters only, using 24-hour time format. Do not use separators or include seconds.
ER	End record	No data		No data

Sample string:

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//SR//AD/XCA//SQ/001//TM/POS//RC/ABCD//NA/Vessel Name//LT/-55.000//LG/-020.000//DA/20050114//TI/0120//ER//
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Notes:

- Three fields in Annex 10-04/A are optional. These are:
 TN (trip number)
 IR (Contracting Party internal reference number): Must start with the 3-character ISO country code, e.g. Argentina = ARGxxx
 XR (external registration number).
- Do not include any other fields.
- Do not include separators (e.g. : , or /) in the date and time fields.
- Do not include seconds in the time fields.

**PROVISIONS ON SECURE AND CONFIDENTIAL TREATMENT
OF ELECTRONIC REPORTS AND MESSAGES TRANSMITTED
PURSUANT TO CONSERVATION MEASURE 10-04**

1. Field of Application
 - 1.1 The provisions set out below shall apply to all VMS reports and messages transmitted and received pursuant to Conservation Measure 10-04.
2. General Provisions
 - 2.1 The CCAMLR Secretariat and the appropriate authorities of Contracting Parties transmitting and receiving VMS reports and messages shall take all necessary measures to comply with the security and confidentiality provisions set out in sections 3 and 4.
 - 2.2 The CCAMLR Secretariat shall inform all Contracting Parties of the measures taken in the Secretariat to comply with these security and confidentiality provisions.
 - 2.3 The CCAMLR Secretariat shall take all the necessary steps to ensure that the requirements pertaining to the deletion of VMS reports and messages handled by the Secretariat are complied with.
 - 2.4 Each Contracting Party shall guarantee the CCAMLR Secretariat the right to obtain as appropriate, the rectification of reports and messages or the erasure of VMS reports and messages, the processing of which does not comply with the provisions of Conservation Measure 10-04.
3. Provisions on Confidentiality
 - 3.1 All requests for data must be made to the CCAMLR Secretariat in writing. Requests for data must be made by the main Commission Contact or an alternative contact nominated by the main Commission Contact of the Contracting Party concerned. The Secretariat shall only provide data to a secure email address specified at the time of making a request for data.
 - 3.2 VMS reports and messages shall only be released and used for the purposes stipulated in paragraph 18. Such VMS reports and messages shall provide details of: name of vessel, date and time of position report, and latitude and longitude position at time of report.
 - 3.3 Where the Flag State chooses not to give permission for the release of VMS reports and messages pursuant to paragraph 22, the Flag State shall, in each instance, provide a written report within 10 working days to the Commission outlining the reasons why it chooses not to permit data to be released. The CCAMLR Secretariat shall place any report so provided, or notice that no report was received, on a password-protected part of the CCAMLR website.

- 3.4 For the purpose of implementing paragraphs 20 and 21 each Contracting Party shall make available such data only to their inspectors designated under the CCAMLR System of Inspection.
- 3.5 VMS reports and messages shall be transmitted to their inspectors no more than 48 hours prior to entry into the CCAMLR, subarea or division where surveillance is to be conducted by the Contracting Party. Contracting Parties must ensure that VMS reports and messages are kept confidential by such inspectors.
- 3.6 The CCAMLR Secretariat shall delete all the original VMS reports and messages referred to in section 1 from the database at the CCAMLR Secretariat by the end of the first calendar month following the third year in which the VMS reports and messages have originated. Thereafter the information related to the movement of the fishing vessels shall only be retained by the CCAMLR Secretariat after measures have been taken to ensure that the identity of the individual vessels can no longer be established.
- 3.7 Contracting Parties may retain and store VMS reports and messages provided by the Secretariat for the purposes of active surveillance presence, and/or inspections, until 24 hours after the vessels to which the reports and messages pertain have departed from the CCAMLR subarea or division. Departure is deemed to have been effected six hours after the transmission of the intention to exit from the CCAMLR subarea or division.

4. Provisions on Security

4.1 Overview

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

4.1.2 The following security issues must be addressed from the outset:

- System access control:
The system has to withstand a break-in attempt from unauthorised persons.
- Authenticity and data access control:
The system has to be able to limit the access of authorised parties to a predefined set of data only.
- Communication security:
It shall be guaranteed that VMS reports and messages are securely communicated.
- Data security:
It has to be guaranteed that all VMS 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.
- 4.1.3 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.
- 4.1.4 Security measures are described in more detail in the following paragraphs.
- 4.2 System Access Control
- 4.2.1 The following features are the mandatory requirements for the VMS installation located at the CCAMLR Data Centre:
- 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 log on to the system.
 - Terminal access control: specifying for each workstation which users are allowed to access.
- 4.3 Authenticity and Data Access Security
- 4.3.1 Communication between Contracting Parties and the CCAMLR Secretariat for the purpose of Conservation Measure 10-04 shall use secure Internet protocols SSL, DES or verified certificates obtained from the CCAMLR Secretariat.
- 4.4 Data Security
- 4.4.1 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 their task.
- 4.5 Security Procedures
- 4.5.1 Each Contracting Party and the CCAMLR Secretariat shall nominate a security system administrator. The security system administrator shall review the log files generated by the software for which they are responsible, properly maintain the system security for

which they are responsible, restrict access to the system for which they are responsible as deemed needed and in the case of Contracting Parties, also act as a liaison with the Secretariat in order to solve security matters.

CONSERVATION MEASURE 10-09 (2011)
Notification system for transshipments within
the Convention Area

Species	various
Area	various
Season	all
Fishery	various

The Commission,

Desiring to improve knowledge within CCAMLR of all vessels operating within the Convention Area, and in particular those which offer support to harvesting vessels,

Noting that an increasing number of vessels are operating within the Convention Area, either engaged directly in harvesting activities or in providing support to those vessels,

Recognising the need to increase the control over transshipment operations which support the harvesting of species within the Convention Area,

Concerned that vessels involved in the support of illegal, unreported and unregulated (IUU) fishing may be operating inside the Convention Area,

Taking account of the need to combat IUU fishing activities because they undermine the effectiveness of the conservation measures already adopted by CCAMLR,

hereby adopts the following conservation measure in accordance with Article IX of the Convention:

1. This conservation measure applies to all CCAMLR new and exploratory fisheries as well as to those listed in Annex 10-09/A.
2. Each Contracting Party as a Flag State shall notify the Secretariat at least 72 hours in advance if any of its vessels intend to tranship¹ within the Convention Area. The Flag State may permit or direct that such notifications be provided by the vessel directly to the Secretariat.
3. Paragraph 2 does not apply to vessels licensed by CCAMLR Contracting Parties under Conservation Measure 10-02 within the Convention Area which propose to tranship items other than harvested marine living resources, bait or fuel. In this case, each Contracting Party shall notify the Secretariat at least 2 hours in advance of such transhipment. The Flag State may permit or direct that such notifications be provided by the vessel directly to the Secretariat.
4. Notifications of intended transhipment operations under paragraphs 2 or 3 above shall include the following information, for all vessels involved:
 - name and registration number
 - international radio call sign
 - Flag State

- type of vessels, length, gross registered tonnage (GRT) and carrying capacity
- proposed time and position, in latitude and longitude, of transshipment.

The notification shall also include details of the type and amount of catches and/or other goods, such as food stores and fuel, involved in the transshipment.

5. The CCAMLR Secretariat shall maintain a list of all such notifications on the password-protected part of its website, in a manner consistent with confidentiality requirements notified by CCAMLR Contracting Parties for their vessels.
6. For fisheries not covered by the provisions of paragraph 1, CCAMLR Contracting Parties shall provide, as a background paper to the annual meeting of the Commission, a report including details set out in paragraph 4 of all transshipments activities in the Convention Area of the vessels flying their flag, during the previous year.
7. No vessel covered by paragraph 1 may tranship with any vessel, within the Convention Area for which prior notification, pursuant to paragraphs 2, 3 and 4 above, has not been given.

¹ Transshipment means the transfer of harvested marine living resources and any other goods or materials to or from fishing vessels.

ANNEX 10-09/A

ADDITIONAL FISHERIES TO WHICH THIS CONSERVATION MEASURE APPLIES

Target species	Statistical subarea/division	Fishing gear
<i>Dissostichus eleginoides</i>	Subarea 48.3	Longline
	Division 58.5.2	Longline, pot, trawl
<i>Dissostichus</i> spp.	Subarea 48.4	Longline
<i>Champscephalus gunnari</i>	Subarea 48.3	Trawl
	Division 58.5.2	Trawl
Crab	Subarea 48.3	Pot
Krill (<i>Euphausia superba</i>)	Subareas 48.1, 48.2, 48.3, 48.4 Divisions 58.4.1, 58.4.2	Trawl, continuous fishing system, pumping to clear codend

CONSERVATION MEASURE 21-02 (2011)^{1,2}
Exploratory fisheries

Species	all
Area	all
Season	all
Gear	all

The Commission,

Recognising that in the past, some Antarctic fisheries had been initiated and subsequently expanded in the Convention Area before sufficient information was available upon which to base management advice,

Agreeing that exploratory fishing should not be allowed to expand faster than the acquisition of information necessary to ensure that the fishery can and will be conducted in accordance with the principles set forth in Article II,

hereby adopts the following conservation measure in accordance with Article IX of the Convention:

1. For the purposes of this conservation measure, exploratory fisheries are defined as follows:
 - (i) an exploratory fishery shall be defined as a fishery that was previously classified as a 'new fishery', as defined by Conservation Measure 21-01;
 - (ii) an exploratory fishery shall continue to be classified as such until sufficient information is available:
 - (a) to evaluate the distribution, abundance and demography of the target species, leading to an estimate of the fishery's potential yield;
 - (b) to review the fishery's potential impacts on dependent and related species;
 - (c) to allow the Scientific Committee to formulate and provide advice to the Commission on appropriate harvest catch levels, as well as effort levels and fishing gear, where appropriate.
2. To ensure that adequate information is made available to the Scientific Committee for evaluation, during the period when a fishery is classified as exploratory, the Scientific Committee shall develop (and update annually as appropriate) a Data Collection Plan, which should include research proposals, as appropriate. This shall identify the data needed and describe any operational research actions necessary to obtain the relevant data from the exploratory fishery to enable an assessment of the stock to be made.
3. The Data Collection Plan shall include, where appropriate:
 - (i) a description of the catch, effort, and related biological, ecological and environmental data required to undertake the evaluations described in paragraph 1(ii), and the date by which such data are to be reported annually to CCAMLR;

- (ii) a plan for directing fishing effort during the exploratory phase to permit the acquisition of relevant data to evaluate the fishery potential and the ecological relationships among harvested, dependent and related populations and the likelihood of adverse impacts;
 - (iii) where appropriate, a plan for the acquisition of any other research data by fishing vessels, including activities that may require the cooperative activities of scientific observers and the vessel, as may be required for the Scientific Committee to evaluate the fishery potential and the ecological relationships among harvested, dependent and related populations and the likelihood of adverse impacts;
 - (iv) an evaluation of the time-scales involved in determining the responses of harvested, dependent and related populations to fishing activities.
4. The Commission shall annually determine a precautionary catch limit at a level not substantially above that necessary to obtain the information specified in the Data Collection Plan and required to undertake the evaluations described in paragraph 1(ii).
 5. A Member intending to fish pursuant to this conservation measure may only notify in respect to vessels flying its flag or that of another CCAMLR Member at the time of the notification³.
 6. Any Member proposing to participate in an exploratory fishery shall:
 - (i) notify its intention to the Commission by 1 June⁴ prior to the next regular meeting of the Commission. This notification shall include the information prescribed in paragraph 3 of Conservation Measure 10-02 in respect of vessels proposing to participate in the fishery, with the exception that the notification shall not be required to specify the information referred to in paragraph 3(ii) of Conservation Measure 10-02. Members shall, to the extent practicable, also provide in their notification the additional information detailed in paragraph 4 of Conservation Measure 10-02 in respect to each fishing vessel notified. Members are not hereby exempted from their obligations under Conservation Measure 10-02 to submit any necessary updates to vessel and licence details within the deadline established therein as of issuance of the licence to the vessel concerned;
 - (ii) prepare and submit to CCAMLR by 1 June a Fishery Operations Plan for the fishing season, for review by the Scientific Committee and the Commission. The Fishery Operations Plan shall include as much of the following information as the Member is able to provide, so as to assist the Scientific Committee in its preparation of the Data Collection Plan:
 - (a) the nature of the exploratory fishery, including target species, methods of fishing, proposed region and maximum catch levels proposed for the forthcoming season;
 - (b) specification⁵ and full description⁶ of the types of fishing gear to be used;
 - (c) biological information on the target species from comprehensive research/survey cruises, such as distribution, abundance, demographic data and information on stock identity;

- (d) details of dependent and related species and the likelihood of their being affected by the proposed fishery;
 - (e) information from other fisheries in the region or similar fisheries elsewhere that may assist in the evaluation of potential yield;
 - (f) if the proposed fishery will be undertaken using bottom trawl gear, information on the known and anticipated impacts of this gear on vulnerable marine ecosystems, including beathos and benthic communities;
- (iii) for notifications for participation in exploratory fisheries for *Dissostichus* spp. in Divisions 58.4.1, 58.4.2 and 58.4.3a and Subarea 48.6 during the 2012/13 fishing season, prepare and submit to CCAMLR by 1 June a Research Plan for review by the Scientific Committee and Commission⁷. Research Plans shall be reported in accordance with the format of Conservation Measure 24-01, Annex 24-01/A, format 2⁷.
 - (iv) provide a commitment, in its proposal, to implement any Data Collection Plan developed by the Scientific Committee for the fishery.
7. On the basis of the information submitted in accordance with paragraph 6, and taking into account the advice and evaluation provided by the Scientific Committee and the Standing Committee on Implementation and Compliance (SCIC), the Commission shall annually consider adoption of relevant conservation measures for each exploratory fishery.
 8. The Commission shall not consider a notification by a Member unless the information required by paragraph 6 has been submitted by 1 June.
 9. If a Member proposing to participate in an exploratory fishery fails to submit notification of this proposal to the Commission in accordance with the deadline specified in paragraph 6 above, the Member shall not authorise, under Conservation Measure 10-02, vessels flying its flag to participate in the proposed fishing activities.
 10. Notwithstanding paragraph 8, Members shall be entitled under Conservation Measure 10-02 to authorise participation in an exploratory fishery by a vessel other than that identified by the Commission in accordance with paragraph 6 if the notified vessel is prevented from participation due to legitimate operational or *force majeure* reasons. In such circumstances the Member concerned shall immediately inform the Secretariat thereof providing:
 - (i) full details of the intended replacement vessel(s) as prescribed in paragraph 6(i);
 - (ii) a comprehensive account of the reasons justifying the replacement and any relevant supporting evidence or references;
 - (iii) specification and full description of the types of fishing gear to be used by the replacement vessel.

The Secretariat shall immediately circulate this information to all Members.

11. Where such a proposed exploratory fishery includes bottom fishing activities, the Member shall not authorise, under Conservation Measure 10-02, vessels flying their flag to participate in the proposed bottom fishing activities if the procedures outlined in Conservation Measure 22-06, paragraph 8, have not been fully complied with.
12. Members whose vessels participate in exploratory fisheries in accordance with paragraphs 6 and/or 10 shall:
 - (i) only use the types of fishing gear specified under paragraph 6(ii)(b) in the Fishery Operations Plan for the vessel notified, or under paragraph 10(iii) for any replacement vessel;
 - (ii) ensure that their vessels are equipped and configured so that they can comply with all relevant conservation measures;
 - (iii) ensure that each vessel carries a CCAMLR-designated scientific observer to collect data in accordance with the Data Collection Plan, and to assist in collecting biological and other relevant data;
 - (iv) annually (by the specified date) submit to CCAMLR the data specified by the Data Collection Plan;
 - (v) be prohibited from continuing participation in the relevant exploratory fishing if the data specified in the Data Collection Plan have not been submitted to CCAMLR for the most recent season in which fishing occurred, until the relevant data have been submitted to CCAMLR and the Scientific Committee has been allowed an opportunity to review the data.
13. A vessel on either of the IUU Vessel Lists established under Conservation Measures 10-06 and 10-07 shall not be permitted to participate in exploratory fisheries.
14. Notifications for exploratory fisheries pursuant to the provisions above shall be subject to an administrative cost-recovery scheme and shall therefore be accompanied by a payment per vessel, the amount and refundable component of which shall be decided by the Commission, as well as the conditions and modalities according to which such payment shall be made.
 - ¹ Except for waters adjacent to the Kerguelen and Crozet Islands
 - ² Except for waters adjacent to the Prince Edward Islands
 - ³ Consistent with CM 10-02 any vessel notified would need to be flagged to the notifying Member before entering the fishery.
 - ⁴ This deadline allows notifications to be considered by the Scientific Committee's working groups as appropriate. The working groups will review notifications and advise whether notifications for exploratory fisheries meet the scientific requirements, and whether a notifying Member is required to submit additional information (e.g. further detail in the Research Plan) for consideration by the Scientific Committee.
 - ⁵ For example, integrated weight longline, Spanish longline, trotline, trawl, continuous trawl or pot.
 - ⁶ For example, snood length, hook spacing, number of hooks per cluster, cluster spacing, net dimensions, trawl-door type, size and weight, footrope dimensions and type, net opening, pumping volume, pot dimensions and any factors affecting gear selectivity.

⁷ If the Scientific Committee is unable to provide consensus advice on research proposals for specific small-scale research units (SSRUs), divisions or subareas in the 2012/13 fishing season, then paragraph 6(iii) shall not apply to those SSRUs, divisions or subareas for the 2013/14 fishing season and the Scientific Committee shall review the process specified in paragraph 6(iii) and advise on a revised process.

CONSERVATION MEASURE 21-03 (2011)
Notifications of intent to participate in a fishery
for *Euphausia superba*

Species	krill
Area	all
Season	all
Gear	all

1. In order for the Scientific Committee to thoroughly study the notifications to fish for krill for the coming season, all Members of the Commission intending to fish for krill in the Convention Area shall notify the Secretariat of their intention not later than 1 June prior to the annual meeting of the Commission, immediately prior to the season in which they intend to fish, using the pro formas in Annex 21-03/A and Annex 21-03/B.
2. This notification shall include the information prescribed in paragraph 3 of Conservation Measure 10-02 in respect of each vessel proposing to participate in the fishery, with the exception that the notification shall not be required to specify the information referred to in paragraph 3(ii) of Conservation Measure 10-02. Members shall, to the extent practicable, also provide in their notification the additional information detailed in paragraph 4 of Conservation Measure 10-02 in respect to each fishing vessel notified. Members are not hereby exempted from their obligations under Conservation Measure 10-02 to submit any necessary updates to vessel and licence details within the deadline established therein as of issuance of the licence to the vessel concerned.
3. A Member intending to fish pursuant to this conservation measure may only notify in respect to vessels flying its flag or that of another CCAMLR Member at the time of the notification¹.
4. Members shall submit notifications by the due date to facilitate appropriate review by the Commission of notifications to fish for krill in the Convention Area before a vessel commences fishing.
5. Notwithstanding paragraph 4, Members shall be entitled under Conservation Measure 10-02 to authorise participation in a krill fishery by a vessel other than that notified to the Commission in accordance with paragraph 2, if the notified vessel is prevented from participation due to legitimate operational reasons or *force majeure*. In such circumstances the Member concerned shall immediately inform the Secretariat providing:
 - (i) full details of the intended replacement vessel(s) as prescribed in paragraph 2;
 - (ii) a comprehensive account of the reasons justifying the replacement and any relevant supporting evidence or references.

The Secretariat shall immediately circulate this information to all Members.

6. A vessel on either of the IUU Vessel Lists established under Conservation Measures 10-06 and 10-07 shall not be permitted by Members to participate in krill fisheries.
7. The Secretariat shall provide the Commission and its relevant subsidiary bodies with information regarding substantial discrepancies between notifications and actual catches in the krill fishery in the latest season.

¹ Consistent with CM 10-02 any vessel notified would need to be flagged to the notifying Member before entering the fishery.

ANNEX 21-03/A

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

Member: _____
 Fishing season: _____
 Name of vessel: _____
 Expected level of catch (tonnes): _____

Fishing technique: Conventional trawl
 Continuous fishing system
 Pumping to clear codend
 Other methods: Please specify _____

Method used for direct estimation of green weight of krill caught¹: _____

Products to be derived from the catch²:

Product type	% of catch

Notified fishing areas and months

	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov
48.1												
48.2												
48.3												
48.4												
48.5												
48.6												
58.4.1												
58.4.2												
88.1												
88.2												
88.3												

X Mark boxes where and when the notified vessel(s) is/are most likely to operate.
 Precautionary catch limits not set, therefore considered as exploratory fisheries.

Note that the details provided here are for information only and do not preclude operation in areas or times which were not specified.

- ¹ As of 2011/12, the notification shall include a description of the exact detailed method of estimation of the green weight of krill caught and, if conversion factors are applied, the exact detailed method of how each conversion factor was derived. Members are not required to re-submit such a description in the following seasons, unless changes in the method of green weight estimation occurred.
- ² Information to be provided to the extent possible.

ANNEX 21-03/B

**NET CONFIGURATION AND USE OF FISHING TECHNIQUES
 AS LISTED IN ANNEX 21-03/A**

Net opening (mouth) circumference (m)	Vertical opening (m)	Horizontal opening (m)

Net Panel length and mesh size

Panel	Length (m)	Mesh size (mm)
1st panel		
2nd panel		
3rd panel		
.....		
.....		
Final panel (Codend)		

Provide diagram of each net configuration used

Use of multiple fishing techniques*: Yes No

*If yes, frequency of switch between fishing techniques: _____

	Fishing technique	Expected proportion of time to be used (%)
1		
2		
3		
4		
5		
...		
		Total 100%

Presence of marine mammal exclusion device*: Yes No

*If yes, provide design of the device:

Provide explanation of fishing techniques, gear configuration and characteristics and fishing patterns:

CONSERVATION MEASURE 22-09 (2011)
Protection of registered vulnerable marine ecosystems
in subareas, divisions, small-scale research units, or
management areas open to bottom fishing

Species	various
Area	various
Season	all
Gear	bottom fishing

The Commission,

Recognising CCAMLR's commitment to preventing significant adverse impacts to vulnerable marine ecosystems (VMEs),

Noting that the Scientific Committee has endeavoured to identify the location of VMEs within the Convention Area consistent with Conservation Measure 22-06,

hereby adopts the following conservation measure in accordance with Article II and Article IX of the Convention:

Protection of registered VMEs in subareas, divisions, small-scale research units (SSRUs) and management areas open to bottom fishing:

1. This conservation measure applies to the same area as Conservation Measure 22-06.
2. The areas listed in Annex 22-09/A are identified as registered VMEs and afforded protection consistent with Conservation Measure 22-06.
3. To provide protection of the registered VMEs, bottom fishing shall be prohibited in the defined areas set out in Annex 22-09/A.
4. All bottom fishing activities shall be prohibited within the defined areas, with the exception of scientific research activities agreed by the Commission for monitoring or other purposes on advice from the Scientific Committee and in accordance with Conservation Measures 22-06 and 24-01.

ANNEX 22-09/A

DEFINED AREAS OF REGISTERED VULNERABLE MARINE ECOSYSTEMS
IN MANAGEMENT AREAS OPEN TO BOTTOM FISHING

Subarea, division	SSRU	Defined area
88.1	G	A circle with the radius of 1.25 n miles (2.32 km), centred on 66°56.04'S 170°51.66'E
88.1	G	A circle with the radius of 1.25 n miles (2.32 km), centred on 67°10.14'S 171°10.26'E

CONSERVATION MEASURE 24-01 (2011)^{1,2}

The application of conservation measures to scientific research

Species	all
Area	all
Season	all
Gear	all

This conservation measure governs the application of conservation measures to scientific research and is adopted in accordance with Article IX of the Convention.

1. General application:

- (a) Catches taken by any vessel for research purposes will be considered as part of any catch limits in force for each species taken unless the catch limit in an area³ is set at zero.
- (b) In the event of research being undertaken in an area³ with a zero catch limit, then the catches adopted under paragraphs 2 or 3 below shall be considered to be the catch limit for the season in that area. When such an area sits within a group of areas to which an overall catch limit applies, that overall catch limit shall not be exceeded, including any catch taken for research purposes.

2. Application to Members taking less than 50 tonnes of finfish in a season, including no more than the amounts specified for finfish taxa in Annex 24-01/B and less than 0.1% of a given catch limit for non-fish taxa indicated in Annex 24-01/B:

- (a) Any Member planning to use a vessel or vessels for research purposes when the estimated seasonal catch is as above shall notify the Secretariat of the Commission which in turn will notify all Members immediately, according to the format provided in Annex 24-01/A.
- (b) Vessels to which the provisions of paragraph 2(a) above apply, shall be exempt from conservation measures relating to mesh size regulations, prohibition of types of gear, closed areas, fishing seasons and size limits, and reporting system requirements other than those specified in paragraph 4 below.

For krill and finfish, this paragraph does not apply for catches less than 1 tonne.

3. Application to Members taking more than 50 tonnes of finfish or more than the amounts specified for finfish taxa in Annex 24-01/B or more than 0.1% of a given catch limit for non-fish taxa indicated in Annex 24-01/B:

- (a) Any Member planning to use any type of vessel or vessels to conduct fishing for research purposes when the estimated seasonal catch is as above, shall notify the Commission and provide the opportunity for other Members to review and comment on its Research Plan. The plan shall be provided to the Secretariat for distribution to Members at least six months in advance of the planned starting date for the research. In the event of any request for a review of such plan being lodged within two months of its circulation, the Executive Secretary shall notify all Members and submit the plan to the Scientific Committee for review. Based on the submitted Research Plan and any advice provided by the appropriate working group, the Scientific Committee will provide advice to the Commission where the review process will be concluded. Until the review process is complete, the planned fishing for research purposes shall not proceed.

- (b) Research Plans shall be reported in accordance with the standardised guidelines and formats adopted by the Scientific Committee, given in Annex 24-01/A.
 - (c) Each fishing vessel⁴ conducting fishing for research purposes shall have at least two scientific observers, one of whom shall be an observer appointed in accordance with the CCAMLR Scheme of International Scientific Observation, on board throughout all fishing activities within the fishing period.
4. Reporting requirements for these research activities are:
- (a) The CCAMLR within-season five-day reporting system shall apply.
 - (b) All research catches shall be reported to CCAMLR as part of the annual STATLANT returns.
 - (c) A summary of the results of any research subject to the above provisions shall be provided to the Secretariat within 180 days of the completion of the research fishing. Members shall provide a full report to the Scientific Committee within 12 months for review and comment.
 - (d) Catch, effort and biological data resulting from research fishing should be reported to the Secretariat according to the haul-by-haul reporting format for research vessels (C4).
5. Other requirements for these research activities are:
- (a) All vessels conducting research fishing under the research exemption, during a voyage that invokes any commercial fishing, shall be linked to an automated satellite-linked vessel monitoring system in accordance with Conservation Measure 10-04.
- ¹ Except for waters adjacent to the Kerguelen and Crozet Islands
- ² Except for waters adjacent to the Prince Edward Islands
- ³ Any management area including subarea, division or SSRU, whichever is designated as a zero catch limit.
- ⁴ In the case of krill research undertaken by fishing vessels, the presence of qualified research scientists on board conducting the notified Research Plan, of which at least one is a national of a Member other than the Member undertaking the research, shall be deemed to fulfil the requirements of paragraph 3(c).

FORMATS FOR NOTIFICATION OF RESEARCH VESSEL ACTIVITY

Format 1

**NOTIFICATION OF RESEARCH VESSEL ACTIVITY IN ACCORDANCE
WITH PARAGRAPH 2 OF CONSERVATION MEASURE 24-01**

Name and registration number of vessel _____

Division and subarea in which research is to be carried out _____

Estimated dates of entering and leaving CAMLR Convention Area _____

Purpose of research _____

Fishing equipment likely to be used:

Bottom trawl _____

Midwater trawl _____

Longline _____

Crab pots _____

Other fishing gear (specify) _____

**FORMAT FOR REPORTING FINFISH RESEARCH PROPOSALS
SUBMITTED IN ACCORDANCE WITH
PARAGRAPH 3 OF CONSERVATION MEASURE 24-01
AND PARAGRAPH 6(iii) OF CONSERVATION MEASURE 21-02**

Category	Information
1. Main objective	(a) Objectives for the research and why it is a priority for CCAMLR. (b) Detailed description of how the proposed research will meet the objectives, including annual research goals (where applicable). (c) Rationale for research, including relevant existing information on the target species from this region, and information from other fisheries in the region or similar fisheries elsewhere.
2. Fishery operations	(a) Fishing Member (b) Vessel to be used: <ul style="list-style-type: none"> • Vessel name • Vessel owner • Vessel type (research or commercial vessel) • Port of registration and registration number • Radio call sign • Overall length and tonnage • Equipment used for determining position • Fishing capacity • Fishing processing and storage capacity. (c) Target species (d) Fishing or acoustic gear to be used: <ul style="list-style-type: none"> • Trawl type, mesh shape and size • Longline type • Other sampling gear • Type of acoustic gear and frequency. (e) Fishing regions (divisions, subareas and SSRUs) and geographical boundaries (f) Estimated dates of entering and leaving the CAMLR Convention Area.
3. Survey design, data collection and analysis	(a) Research survey/fishing design (description and rationale): <ul style="list-style-type: none"> • Spatial arrangements or maps of stations/hauls (e.g. randomised or gridded) • Stratification according to e.g. depth or fish density • Calibration/standardisation of sampling gear • Proposed number and duration of stations/hauls • Tagging rates and other performance metrics such as tag overlap statistics for tagging programs • Other requirements. (b) Data collection: Types and sample size or quantities of catch, effort and related biological, ecological and environmental data (e.g. sample size by location/haul). (c) Method for data analysis to achieve the objective in 1(a). (d) How and when will the data meet the objectives of the research (e.g. lead to a robust estimate of stock status and precautionary catch limits). Include evidence that the proposed methods are highly likely to be successful.
4. Proposed catch limits	(a) Proposed catch limits and justification. (Note that the catch limits should be at a level not substantially above that necessary to obtain the information specified in the Research Plans and required to meet the objectives of the proposed research.)

(continued)

- (b) Evaluation of the impact of the proposed catch on stock status, including:
- rationale that proposed catch limits are consistent with Article II of the Convention
 - evaluation of timescales involved in determining the responses of harvested, dependent and related populations to fishing activities
 - information on estimated removals, including IUU fishing activities, where available.
- (c) Details of dependent and related species and the likelihood of their being affected by the proposed fishery.
5. Research capability
- (a) Name(s) and address of the chief scientist(s), research institute or authority responsible for planning and coordinating the research.
- (b) Number of scientists and crew to be on board the vessel.
- (c) Is there opportunity for inviting scientists from other Members? If so, indicate a number of such scientists.
- (d) Commitment that the proposed fishing vessel(s) and nominated research provider(s) have the resources and capability to fulfil all obligations of the proposed Research Plan.
6. Reporting for evaluation and review
- (a) List of dates by which specific actions will be completed and reported to CCAMLR. If the research is a stand-alone survey, Members shall commit to providing a progress report to WG-FSA and/or WG-EMM for review and comment and a final report within 12 months of completion of the research to the Scientific Committee.
- (b) If research is multi-annual, Members shall commit to providing annual research reviews to be submitted to WG-FSA and/or WG-EMM, including review of progress towards meeting research objectives and associated proposed time lines in initial proposal, and proposals for adjustments to the research proposal if required.

ANNEX 24-01/B

**TAXA-SPECIFIC SCHEDULE FOR NOTIFICATION
OF RESEARCH VESSEL ACTIVITY**

Taxon	Gear type	Expected Catch	
(a) Thresholds for finfish taxa	<i>Dissostichus</i> spp.	Longline	5 tonnes
		Trawl	5 tonnes
		Pot	5 tonnes
		Other	0 tonnes
		All	10 tonnes
(b) Non-fish taxa for which a catch threshold of 0.1% of the catch limit for a given area would apply	<i>Chamsocephalus gunnari</i>	Krill	
		Squid	
		Crabs	

CONSERVATION MEASURE 25-03 (2011)¹
**Minimisation of the incidental mortality of seabirds
and marine mammals in the course of trawl fishing
in the Convention Area**

Species	seabirds, marine mammals
Area	all
Season	all
Gear	trawl

The Commission,

Noting the need to reduce the incidental mortality of, or injury to, seabirds and marine mammals from fishing operations,

Adopts the following measures to reduce the incidental mortality of, or injury to, seabirds and marine mammals during trawl fishing.

1. The use of net monitor cables on vessels in the CAMLR Convention Area is prohibited.
2. Vessels operating within the Convention Area should at all times arrange the location and level of lighting so as to minimise illumination directed out from the vessel, consistent with the safe operation of the vessel.
3. The discharge of offal^{2,3} and discards⁴ shall be prohibited during the shooting and hauling of trawl gear.
4. Nets should be cleaned prior to shooting to remove items that might attract birds.
5. Vessels should adopt shooting and hauling procedures that minimise the time that the net is lying on the surface of the water with the meshes slack. Net maintenance should, to the extent possible, not be carried out with the net in the water.
6. Vessels should be encouraged to develop gear configurations that will minimise the chance of birds encountering the parts of the net to which they are most vulnerable. This could include increasing the weighting or decreasing the buoyancy of the net so that it sinks faster, or placing coloured streamers or other devices over particular areas of the net where the mesh sizes create a particular danger to birds.

¹ Except for waters adjacent to the Kerguelen and Crozet Islands

² 'Offal' is defined as bait and by-products from the processing of fish and other organisms, including parts or sections of fish or organisms which are by-products of processing.

³ 'Stick water' is a liquid discharge produced as a by-product of processing of krill and fish. As stick water does not contain a source of food for birds, it is not considered as offal (see footnote 2).

⁴ For the purpose of this conservation measure, 'discards' are defined as whole fish or other organisms, except elasmobranchs and invertebrates where the vessel is fishing north of 60°S, returned to the sea dead or with low expectation of survival, as described in the Observer Logbook 1.5 form.

CONSERVATION MEASURE 32-09 (2011)
Prohibition of directed fishing for *Dissostichus* spp. except in accordance with specific conservation measures in the 2011/12 season

Species	toothfish
Area	48.5
Season	2011/12
Gear	all

The Commission hereby adopts the following conservation measure in accordance with Article IX of the Convention:

Directed fishing for *Dissostichus* spp. in Statistical Subarea 48.5 is prohibited from 1 December 2011 to 30 November 2012.

CONSERVATION MEASURE 33-02 (2011)
Limitation of by-catch in Statistical Division 58.5.2 in the 2011/12 season

Species	by-catch
Area	58.5.2
Season	2011/12
Gear	all

1. There shall be no directed fishing for any species other than *Dissostichus eleginoides* and *Champscephalus gumari* in Statistical Division 58.5.2 in the 2011/12 fishing season.
2. In directed fisheries in Statistical Division 58.5.2 in the 2011/12 season, the by-catch of *Channichthys rhinoceratus* shall not exceed 150 tonnes, the by-catch of *Lepidonotothen squamifrons* shall not exceed 80 tonnes, the by-catch of *Macrourus* spp. shall not exceed 360 tonnes and the by-catch of skates and rays shall not exceed 120 tonnes. For the purposes of this measure, 'Macrourus spp.' and 'skates and rays' should each be counted as a single species.
3. The by-catch of any fish species not mentioned in paragraph 2, and for which there is no other catch limit in force, shall not exceed 50 tonnes in Statistical Division 58.5.2.
4. If, in the course of a directed fishery, the by-catch in any one haul of *Channichthys rhinoceratus*, *Lepidonotothen squamifrons*, *Macrourus* spp., *Somniosus* spp. or skates and rays is equal to, or greater than, 2 tonnes, then the fishing vessel shall not fish using that method of fishing at any point within 5 n miles¹ of the location where the by-catch exceeded 2 tonnes for a period of at least five days². The location where the by-catch exceeded 2 tonnes is defined as the path³ followed by the fishing vessel.
5. If, in the course of a directed fishery, the by-catch in any one haul of any other by-catch species for which by-catch limitations apply under this conservation measure is equal to, or greater than, 1 tonne, then the fishing vessel shall not fish using that method of fishing at any point within 5 n miles¹ of the location where the by-catch exceeded 1 tonne for a period of at least five days². The location where the by-catch exceeded 1 tonne is defined as the path³ followed by the fishing vessel.

¹ This provision concerning the minimum distance separating fishing locations is adopted pending the adoption of a more appropriate definition of a fishing location by the Commission.

² The specified period is adopted in accordance with the reporting period specified in Conservation Measure 23-01, pending the adoption of a more appropriate period by the Commission.

³ For a trawl, the path is defined from the point at which the fishing gear was first deployed from the fishing vessel to the point at which the fishing gear was retrieved by the fishing vessel. For a longline or a pot, the path is defined from the point at which the first anchor of a set was deployed to the point at which the last anchor of that set was deployed.

CONSERVATION MEASURE 33-03 (2011)^{1,2}
Limitation of by-catch in new and exploratory fisheries
in the 2011/12 season

Species	by-catch
Area	various
Season	2011/12
Gear	all

1. This conservation measure applies to new and exploratory fisheries in all areas containing small-scale research units (SSRUs) in the 2011/12 season, except where specific by-catch limits apply.
2. The catch limits for all by-catch species are set out in Annex 33-03/A. Within these catch limits, the total catch³ of by-catch species in any SSRU or combination of SSRUs as defined in relevant conservation measures shall not exceed the following limits:
 - skates and rays 5% of the catch limit of *Dissostichus* spp. or 50 tonnes, whichever is greater;
 - *Macrourus* spp. 16% of the catch limit for *Dissostichus* spp. or 20 tonnes, whichever is greater;
 - all other species combined 20 tonnes.
3. For the purposes of this measure 'Macrourus spp.' and 'skates and rays' should each be counted as a single species.
4. On all vessels, all skates and rays must be brought on board or alongside the hauler to be checked for tags and for their condition to be assessed. Recaptured tagged skates and rays, as per Conservation Measure 41-01, Annex C, paragraphs 2(v) and (vii), should not be re-released. Unless otherwise specified by scientific observers, where possible, all other skates and rays should then be released alive, by vessels, by cutting snoods, and when practical, removing the hooks.
5. If the by-catch of any one species is equal to, or greater than, 1 tonne in any one haul or set, then the fishing vessel shall move to another location at least 5 n miles⁴ distant. The fishing vessel shall not return to any point within 5 n miles of the location where the by-catch exceeded 1 tonne for a period of at least five days⁵. The location where the by-catch exceeded 1 tonne is defined as the path⁶ followed by the fishing vessel.
6. If the catch of *Macrourus* spp. taken by a single vessel in any two 10-day periods⁷ in a single 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 in those periods, the vessel shall cease fishing in that SSRU for the remainder of the season.

¹ Except for waters adjacent to the Kerguelen and Crozet Islands

² Except for waters adjacent to the Prince Edward Islands

³ Total green weight caught, excluding individuals released alive.

- ⁴ This provision concerning the minimum distance separating fishing locations is adopted pending the adoption of a more appropriate definition of a fishing location by the Commission.
- ⁵ The specified period is adopted in accordance with the reporting period specified in Conservation Measure 23-01, pending the adoption of a more appropriate period by the Commission.
- ⁶ For a trawl, the path is defined from the point at which the fishing gear was first deployed from the fishing vessel to the point at which the fishing gear was retrieved by the fishing vessel. For a longline, the path is defined from the point at which the first anchor of a set was deployed to the point at which the last anchor of that set was deployed.
- ⁷ A 10-day period is defined as day 1 to day 10, day 11 to day 20, or day 21 to the last day of the month.

ANNEX 33-03/A

Table 1: By-catch catch limits for new and exploratory fisheries in 2011/12.

Subarea/ division	Region	<i>Dissostichus</i> spp. catch limit (tonnes per region)	By-catch catch limit		
			Skates and rays (tonnes per region)	<i>Macrourus</i> spp. (tonnes per region)	Other species (tonnes per SSRU)
48.6	North of 60°S	200	50	32	20
	South of 60°S	200	50	32	20
58.4.1	Whole division	210	50	33	20
58.4.2	Whole division	70	50	20	20
58.4.3a	Whole division	86	50	26	20
58.4.3b	Whole division	0	-	-	-
88.1	Whole subarea	3282	164	430	20
88.2	Whole subarea	530	50	84	20

Region: As defined in column 2 of this table.

Rules for catch limits for by-catch species:

Skates and rays: 5% of the catch limit for *Dissostichus* spp. or 50 tonnes, whichever is greatest (SC-CAMLR-XXI, paragraph 5.76).

Macrourus spp.: 16% of the catch limit for *Dissostichus* spp. or 20 tonnes, whichever is greatest, except in Statistical Division 58.4.3a (SC-CAMLR-XXII, paragraph 4.207), and Statistical Subarea 88.1 (SC-CAMLR-XXVII, paragraph 4.162).

Other species: 20 tonnes per SSRU.

CONSERVATION MEASURE 41-01 (2011)^{1,2}

General measures for exploratory fisheries for *Dissostichus* spp. in the Convention Area in the 2011/12 season

Species	toothfish
Area	various
Season	2011/12
Gear	longline, trawl

The Commission hereby adopts the following conservation measure:

1. This conservation measure applies to exploratory fisheries using the trawl or longline methods except for such fisheries where the Commission has given specific exemptions to the extent of those exemptions. In trawl fisheries, a haul comprises a single deployment of the trawl net. In longline fisheries, a haul comprises the setting of one or more lines in a single location.
2. Fishing should take place over as large a geographical and bathymetric range as possible to obtain the information necessary to determine fishery potential and to avoid

over-concentration of catch and effort. To this end, fishing in any small-scale research unit (SSRU) shall cease when the reported catch reaches the specified catch limit and that SSRU shall be closed to fishing for the remainder of the season.

3. In order to give effect to paragraph 2 above:
 - (i) the precise geographic position of a haul in trawl fisheries will be determined by the midpoint of the path between the start point and end point of the haul for the purposes of catch and effort reporting;
 - (ii) the precise geographic position of a haul/set in longline fisheries will be determined by the centre point of the line or lines deployed for the purposes of catch and effort reporting;
 - (iii) the vessel will be deemed to be fishing in any SSRU from the beginning of the setting process until the completion of the hauling of all lines;
 - (iv) catch and effort information for each species by SSRU shall be reported to the Executive Secretary every five days using the Five-day Catch and Effort Reporting System set out in Conservation Measure 23-01;
 - (v) the Secretariat shall notify Contracting Parties participating in these fisheries when the total catch for *Dissostichus eleginoides* and *Dissostichus mawsoni* combined in any SSRU is likely to reach the specified catch limit, and of the closure of that SSRU when that limit is reached³. No part of a trawl path may lie within a closed SSRU and no part of a longline may be set within a closed SSRU.
4. The by-catch in each exploratory fishery shall be regulated as in Conservation Measure 33-03.
5. The total number and weight of *Dissostichus eleginoides* and *Dissostichus mawsoni* discarded, including those with the 'jellymeat' condition, shall be reported.
6. Each vessel participating in the exploratory fisheries for *Dissostichus* spp. during the 2011/12 season shall have one scientific observer appointed in accordance with the CCAMLR Scheme of International Scientific Observation, and, where possible, one additional scientific observer, on board throughout all fishing activities within the fishing season.
7. The Data Collection Plan (Annex 41-01/A), Research Plan (Annex 41-01/B) and Tagging Program (Annex 41-01/C) shall be implemented. Data collected pursuant to the Data Collection and Research Plans for the period up to 31 August 2012 shall be reported to CCAMLR by 30 September 2012 so that the data will be available to the meeting of the Working Group on Fish Stock Assessment (WG-FSA) in 2012. Such data taken after 31 August 2012 shall be reported to CCAMLR not later than three months after the closure of the fishery, but, where possible, submitted in time for the consideration of WG-FSA.
8. Members who choose not to participate in the fishery prior to the commencement of the fishery shall inform the Secretariat of changes in their plans no later than one month before the start of the fishery. If, for whatever reason, Members are unable to

participate in the fishery, they shall inform the Secretariat no later than one week after finding that they cannot participate. The Secretariat will inform all Contracting Parties immediately after such notification is received.

¹ Except for waters adjacent to the Kerguelen and Crozet Islands

² Except for waters adjacent to the Prince Edward Islands

³ The closure of fisheries is governed by Conservation Measure 31-02.

ANNEX 41-01/A

DATA COLLECTION PLAN FOR EXPLORATORY FISHERIES

1. All vessels will comply with the Daily and Five-day Catch and Effort Reporting Systems (Conservation Measures 23-01 and 23-07) and Monthly Fine-scale Catch, Effort and Biological Data Reporting Systems (Conservation Measures 23-04 and 23-05).
2. The vessel shall ensure that sufficient samples are made available to the on-board observers to enable collection of all data required by the CCAMLR *Scientific Observers Manual* for finfish fisheries.
3. Data specific to longline fisheries will be collected. These include:
 - (i) position and sea depth at each end of every line in a haul;
 - (ii) setting, soak and hauling times;
 - (iii) number and species of fish lost at surface;
 - (iv) number of hooks set;
 - (v) bait type;
 - (vi) baiting success (%);
 - (vii) hook type.

ANNEX 41-01/B

RESEARCH PLAN FOR EXPLORATORY FISHERIES

1. Activities under this Research Plan shall not be exempted from any conservation measure in force.
2. This plan applies to all small-scale research units (SSRUs) as defined in Table 1 and Figure 1.
3. Except when fishing in Statistical Subareas 88.1 and 88.2 (see paragraph 5), any vessel undertaking prospecting or commercial fishing in any SSRU must undertake the following research activities:

- (i) On first entry into an SSRU, the first 10 hauls, whether by trawl or longline, shall be designated 'research hauls' and must satisfy the criteria set out in paragraph 4. All research hauls shall be carried out within fine-scale rectangles defined by the CCAMLR Secretariat¹.
 - (ii) On completion of the first 10 research hauls, the vessel may continue fishing in the SSRU, but is required to complete at least one research haul for every three commercial hauls thereafter in the SSRU, such that the ratio of research hauls to commercial hauls after the completion of the first 10 research hauls does not fall below a ratio of 1:3.
4. To be designated as a research haul:
- (i) each research haul must be separated by not less than 3 n miles from any other research haul, distance to be measured from the geographical midpoint of each research haul;
 - (ii) each haul shall comprise: for longlines, at least 3 500 hooks and no more than 5 000 hooks; this may comprise a number of separate lines set in the same location; for trawls, at least 30 minutes effective fishing time as defined in the *Draft Manual for Bottom Trawl Surveys in the Convention Area* (SC-CAMLR-XI, Annex 5, Appendix H, Attachment E, paragraph 4);
 - (iii) each haul of a longline shall have a soak time of not less than six hours, measured from the time of completion of the setting process to the beginning of the hauling process.
5. In the exploratory fisheries in Statistical Subareas 88.1 and 88.2, all data specified in the Data Collection Plan (Annex 41-01/A) of this conservation measure shall be collected for every haul; the vessel shall ensure that the observer has access to sufficient samples to enable collection of all data required by the CCAMLR *Scientific Observers Manual* for finfish fisheries.
6. In all other exploratory fisheries, all data specified in the Data Collection Plan (Annex 41-01/A) of this conservation measure shall be collected for every research haul; in particular, all fish in a research haul up to 100 fish are to be measured and at least 30 fish sampled for biological studies (paragraph 2 of Annex 41-01/A). Where more than 100 fish are caught, a method for randomly subsampling the fish should be applied.

¹ The Secretariat will generate a list of fine-scale rectangles for each SSRU in exploratory fisheries. These lists will be provided to notifying Members prior to the start of the fishing season. If fine-scale rectangles designated for research hauls are blocked by sea-ice, then the vessel should move to the nearest available rectangle(s) with fishing depth between 550 and 2 200 m, and conduct the research hauls in this (those) rectangle(s).

Table 1: Description of small-scale research units (SSRUs) (see also Figure 1).

Region	SSRU	Boundary line
48.6	A	From 50°S 20°W, due east to 1°30'E, due south to 60°S, due west to 20°W, due north to 50°S.
	B	From 60°S 20°W, due east to 10°W, due south to coast, westward along coast to 20°W, due north to 60°S.
	C	From 60°S 10°W, due east to 0° longitude, due south to coast, westward along coast to 10°W, due north to 60°S.
	D	From 60°S 0° longitude, due east to 10°E, due south to coast, westward along coast to 0° longitude, due north to 60°S.
	E	From 60°S 10°E, due east to 20°E, due south to coast, westward along coast to 10°E, due north to 60°S.
	F	From 60°S 20°E, due east to 30°E, due south to coast, westward along coast to 20°E, due north to 60°S.
	G	From 50°S 1°30'E, due east to 30°E, due south to 60°S, due west to 1°30'E, due north to 50°S.
58.4.1	A	From 55°S 86°E, due east to 150°E, due south to 60°S, due west to 86°E, due north to 55°S.
	B	From 60°S 86°E, due east to 90°E, due south to coast, westward along coast to 80°E, due north to 64°S, due east to 86°E, due north to 60°S.
	C	From 60°S 90°E, due east to 100°E, due south to coast, westward along coast to 90°E, due north to 60°S.
	D	From 60°S 100°E, due east to 110°E, due south to coast, westward along coast to 100°E, due north to 60°S.
	E	From 60°S 110°E, due east to 120°E, due south to coast, westward along coast to 110°E, due north to 60°S.
	F	From 60°S 120°E, due east to 130°E, due south to coast, westward along coast to 120°E, due north to 60°S.
	G	From 60°S 130°E, due east to 140°E, due south to coast, westward along coast to 130°E, due north to 60°S.
	H	From 60°S 140°E, due east to 150°E, due south to coast, westward along coast to 140°E, due north to 60°S.
58.4.2	A	From 62°S 30°E, due east to 40°E, due south to coast, westward along coast to 30°E, due north to 62°S.
	B	From 62°S 40°E, due east to 50°E, due south to coast, westward along coast to 40°E, due north to 62°S.
	C	From 62°S 50°E, due east to 60°E, due south to coast, westward along coast to 50°E, due north to 62°S.
	D	From 62°S 60°E, due east to 70°E, due south to coast, westward along coast to 60°E, due north to 62°S.
	E	From 62°S 70°E, due east to 73°10'E, due south to 64°S, due east to 80°E, due south to coast, westward along coast to 70°E, due north to 62°S.
58.4.3a	A	Whole division, from 56°S 60°E, due east to 73°10'E, due south to 62°S, due west to 60°E, due north to 56°S.
58.4.3b	A	From 56°S 73°10'E, due east to 79°E, south to 59°S, due west to 73°10'E, due north to 56°S.
	B	From 60°S 73°10'E, due east to 86°E, south to 64°S, due west to 73°10'E, due north to 60°S.
	C	From 59°S 73°10'E, due east to 79°E, south to 60°S, due west to 73°10'E, due north to 59°S.
	D	From 59°S 79°E, due east to 86°E, south to 60°S, due west to 79°E, due north to 59°S.
	E	From 56°S 79°E, due east to 80°E, due north to 55°S, due east to 86°E, south to 59°S, due west to 79°E, due north to 56°S.
58.4.4	A	From 51°S 40°E, due east to 42°E, due south to 54°S, due west to 40°E, due north to 51°S.
	B	From 51°S 42°E, due east to 46°E, due south to 54°S, due west to 42°E, due north to 51°S.
	C	From 51°S 46°E, due east to 50°E, due south to 54°S, due west to 46°E, due north to 51°S.
	D	Whole division excluding SSRUs A, B, C, and with outer boundary from 50°S 30°E, due east to 60°E, due south to 62°S, due west to 30°E, due north to 50°S.

continued

Table 1 (continued)

Region	SSRU	Boundary line
58.6	A	From 45°S 40°E, due east to 44°E, due south to 48°S, due west to 40°E, due north to 45°S.
	B	From 45°S 44°E, due east to 48°E, due south to 48°S, due west to 44°E, due north to 45°S.
	C	From 45°S 48°E, due east to 51°E, due south to 48°S, due west to 48°E, due north to 45°S.
	D	From 45°S 51°E, due east to 54°E, due south to 48°S, due west to 51°E, due north to 45°S.
58.7	A	From 45°S 37°E, due east to 40°E, due south to 48°S, due west to 37°E, due north to 45°S.
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.
	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 178°50'E, due north to 70°S.
	I	From 73°S at coast near 170°E, due east to 170°W, due south to 73°S, due west to 170°E, northward along coast to 73°S.
	J	From 73°S 178°50'E, due east to 178°50'E, due south to 80°S, due west to 178°50'E, due north 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.
	88.2	A
B		From 60°S 160°W, due east to 150°W, due south to coast, westward along coast to 160°W, due north to 60°S.
C		From 70°50'S 150°W, due east to 140°W, due south to coast, westward along coast to 150°W, due north to 70°50'S.
D		From 70°50'S 140°W, due east to 130°W, due south to coast, westward along coast to 140°W, due north to 70°50'S.
E		From 70°50'S 130°W, due east to 120°W, due south to coast, westward along coast to 130°W, due north to 70°50'S.
F		From 70°50'S 120°W, due east to 110°W, due south to coast, westward along coast to 120°W, due north to 70°50'S.
G		From 70°50'S 110°W, due east to 105°W, due south to coast, westward along coast to 110°W, due north to 70°50'S.
H		From 65°S 150°W, due east to 105°W, due south to 70°50'S, due west to 150°W, due north to 65°S.
I		From 60°S 150°W, due east to 105°W, due south to 65°S, due west to 150°W, due north to 60°S.
88.3		A
	B	From 60°S 95°W, due east to 85°W, due south to coast, westward along coast to 95°W, due north to 60°S.
	C	From 60°S 85°W, due east to 75°W, due south to coast, westward along coast to 85°W, due north to 60°S.
	D	From 60°S 75°W, due east to 70°W, due south to coast, westward along coast to 75°W, due north to 60°S.

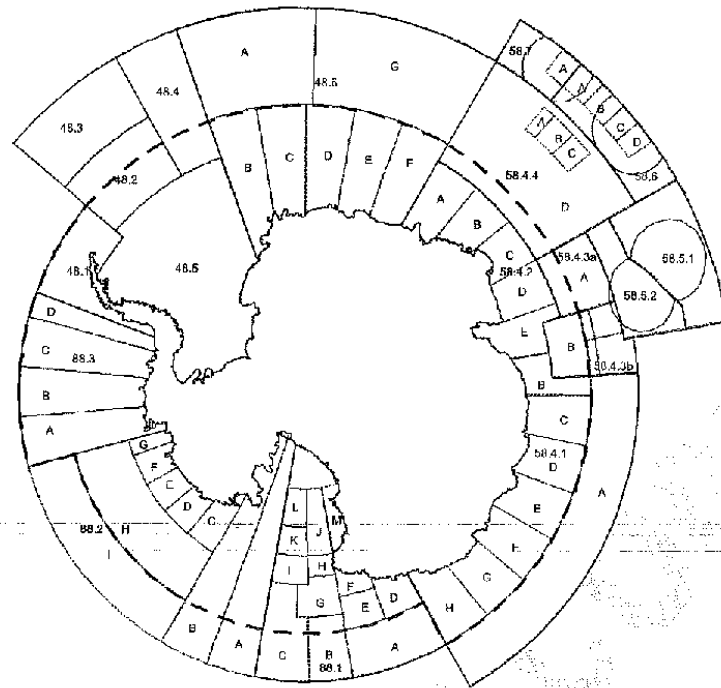


Figure 1: Small-scale research units for new and exploratory fisheries. The boundaries of these units are listed in Table 1. EEZ boundaries for Australia, France and South Africa are marked in order to address notifications for new and exploratory fisheries in waters adjacent to these zones. Dashed line – approximate delineation between *Dissostichus eginoides* and *Dissostichus mawsoni*.

ANNEX 41-01/C

**TAGGING PROGRAM FOR *DISSOSTICHUS* SPP. AND SKATES
IN EXPLORATORY FISHERIES**

1. The responsibility for ensuring tagging, tag recovery and correct reporting shall lie with the Flag State of the fishing vessel. The fishing vessel shall cooperate with the CCAMLR scientific observer in undertaking the tagging program.
2. This program shall apply in each exploratory longline fishery, and any vessel that participates in more than one exploratory fishery shall apply the following in each exploratory fishery in which that vessel fishes:
 - (i) Each longline vessel shall tag and release *Dissostichus* spp., continuously while fishing, at a rate specified in the conservation measure for that fishery according to the CCAMLR Tagging Protocol¹.

- (ii) The program shall target toothfish of all sizes in order to meet the tagging requirements. Only fish with a high probability of survival shall be tagged and released. The availability of these fish shall be reported by the observer. Only single-hooked fish should be tagged and released (noting that fish hooked only in the mouth are counted as single-hooked). The number of hooking injuries for each tagged and released fish shall be recorded by the vessel. The length frequency of tagged toothfish shall reflect the length frequency of the catch². Each vessel shall achieve a minimum tag overlap statistic of 60% from 2011/12 onward³ for each species of *Dissostichus* with a catch of more than 10 tonnes in a fishery. All released toothfish must be double-tagged, and releases should cover as broad a geographical area as possible. In regions where both species occur, the tagging rate shall be in proportion to the species and lengths of each *Dissostichus* spp. present in the catch.
 - (iii) Members wishing to tag skates are advised to follow the protocols developed during the Year-of-the-Skate.
 - (iv) All toothfish and skate tags for use in exploratory fisheries shall be sourced from the Secretariat.
 - (v) All toothfish shall be examined for the presence of tags. All skates shall be brought on board or alongside the hauler to be checked for tags and for their condition to be assessed. Recaptured tagged fish (i.e. fish caught that have a previously inserted tag) shall not be re-released, even if at liberty for only a short period.
 - (vi) Recaptured tagged toothfish should be biologically sampled (length, weight, sex, gonad stage) and an electronic time-stamped photograph taken of the tag together with recovered otoliths, detailing the number and colour of the tag.
 - (vii) Recaptured tagged skates should be biologically sampled (length, weight, sex, gonad stage), two electronic time-stamped photographs should be taken, one of the whole skate with tag attached, and one close-up of the tag detailing the number and colour of the tag.
3. Toothfish that are tagged and released shall not be counted against the catch limits.
 4. All relevant tag data, and any data recording tag recaptures, shall be reported electronically in the CCAMLR format¹ to the Executive Secretary (i) by the vessel every month along with its monthly line-scale catch and effort (C2) data, and (ii) by the observer as part of the data reporting requirements for observer data¹.
 5. All relevant tag data, any data recording tag recaptures, and specimens (tags and otoliths) from recaptures shall also be reported electronically in the CCAMLR format¹ to the relevant regional tag data repository as detailed in the CCAMLR Tagging Protocol (available at www.ccamlr.org/pu/c/sc/tag/intro.htm).

¹ In accordance with the CCAMLR Tagging Protocol for exploratory fisheries which is available from the Secretariat and included in the scientific observer logbook forms.

² Vessels may implement this requirement by tagging fish at an appropriate rate per number of fish brought alongside the hauler. See the CCAMLR Tagging Protocol for further guidance.

³ The tag overlap statistic (θ) shall be calculated as follows:

$$\theta = \left(1 - \frac{\sum_{i=1}^n |P_i - P_c|}{2} \right) \times 100$$

where P_i is the proportion of all fish tagged in length bin i , P_c is the proportion of all fish caught (i.e. the sum of all fish caught and either landed or tagged and released), for 10 cm length bins.

**CONSERVATION MEASURE 41-02 (2011)
Limits on the fishery for *Dissostichus eleginoides*
in Statistical Subarea 48.3 in the 2011/12
and 2012/13 seasons**

Species	toothfish
Area	48.3
Season	2011/12, 2012/13
Gear	longline, pot

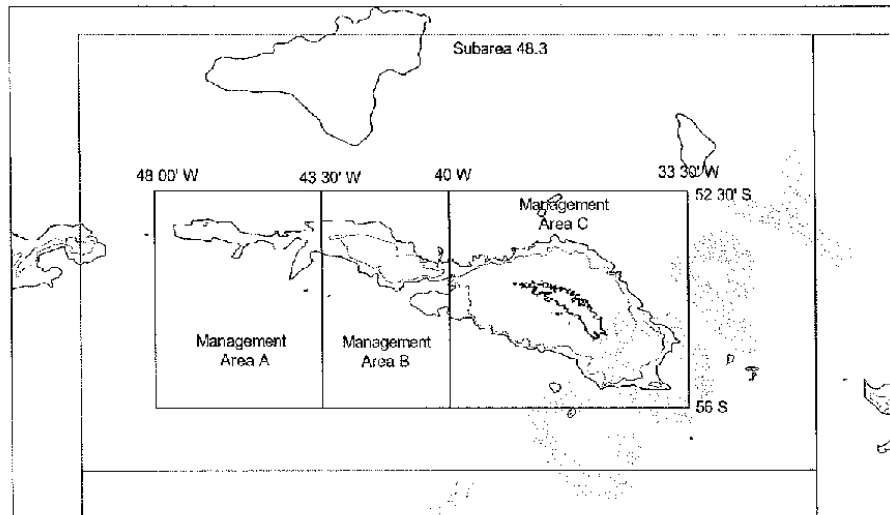
The Commission hereby adopts the following conservation measure in accordance with Conservation Measure 31-01:

- Access**
1. The fishery for *Dissostichus eleginoides* in Statistical Subarea 48.3 shall be conducted by vessels using longlines and pots only.
 2. For the purpose of this fishery, the area open to the fishery is defined as that portion of Statistical Subarea 48.3 that lies within the area bounded by latitudes 52°30'S and 56°0'S and by longitudes 33°30'W and 48°0'W.
 3. A map illustrating the area defined by paragraph 2 is appended to this conservation measure (Annex 41-02/A). The portion of Statistical Subarea 48.3 outside that defined above shall be closed to directed fishing for *Dissostichus eleginoides* in the 2011/12 and 2012/13 seasons.
- Catch limit**
4. The total catch of *Dissostichus eleginoides* in Statistical Subarea 48.3 in the 2011/12 and 2012/13 seasons shall be limited to 2 600 tonnes in each season. The catch limit shall be further subdivided between the Management Areas shown in Annex 41-02/A as follows:
 - Management Area A: 0 tonnes
 - Management Area B: 780 tonnes in each season
 - Management Area C: 1 820 tonnes in each season.
- Season**
5. For the purpose of the longline fishery for *Dissostichus eleginoides* in Statistical Subarea 48.3, the 2011/12 and 2012/13 seasons are defined as the period from 1 May to 31 August in each season, or until the catch limit is reached, whichever is sooner. For the purpose of the pot fishery for *Dissostichus eleginoides* in Statistical Subarea 48.3, the 2011/12 and 2012/13 seasons are defined as the period from 1 December to 30 November, or until the catch limit is reached, whichever is sooner. The 2011/12 season for longline fishing operations may be extended in two periods: (i) to start on 16 April 2012 and (ii) to end on 14 September 2012 for any vessel which has demonstrated full compliance with Conservation Measure 25-02 in the previous season.

6. The following decision rule shall apply to the extension of the 2012/13 season:
- (i) if, on average, less than one bird per vessel is caught during the two extension periods in the 2011/12 season, the 2012/13 season extension shall start on 11 April 2013;
 - (ii) if, on average, between one and three birds per vessel, or more than 10 and fewer than 16 birds in total, are caught during the extension periods in the 2011/12 season, the 2012/13 season extension shall start on 16 April 2013; or
 - (iii) if, on average, more than three birds per vessel, or more than 15 birds in total, are caught during the extension periods in the 2011/12 season, the 2012/13 season shall start on 21 April 2013.
7. The extensions to the seasons in 2011/12 and 2012/13 shall be subject to a combined catch limit of three (3) seabirds per vessel per season. If a total of three seabirds is caught by one vessel during the two extension periods in any one season, fishing shall cease immediately for that vessel in the extension periods. In the case of the extension at the start of the season, fishing shall not resume until 1 May of the corresponding season and the extension at the end of that season shall not apply.
8. The season extension in the 2012/13 season will be opened only to vessels that demonstrated full compliance with Conservation Measure 25-02 in the previous season.
- By-catch 9. Any by-catch of crab shall, as far as possible, be released alive.
10. The by-catch of finfish in the fishery for *Dissostichus eleginoides* in Statistical Subarea 48.3 in the 2011/12 and 2012/13 seasons shall not exceed 130 tonnes for skates and rays and 130 tonnes for *Macrourus* spp. in each season. For the purpose of these by-catch limits, 'Macrourus spp.' and 'skates and rays' shall each be counted as a single species.
11. If the by-catch of any one species is equal to, or greater than, 1 tonne in any one haul or set, then the fishing vessel shall move to another location at least 5 n miles¹ distant. The fishing vessel shall not return to any point within 5 n miles of the location where the by-catch exceeded 1 tonne for a period of at least five days². The location where the by-catch exceeded 1 tonne is defined as the path³ followed by the fishing vessel.
- Mitigation 12. The operation of this fishery shall be carried out in accordance with Conservation Measure 25-02 so as to minimise the incidental mortality of seabirds in the course of fishing.

- Observers 13. Each vessel participating in this fishery shall have at least one scientific observer appointed in accordance with the CCAMLR Scheme of International Scientific Observation and, where possible, one additional scientific observer, on board throughout all fishing activities within the fishing period.
- Data: catch/effort 14. For the purpose of implementing this conservation measure, the following shall apply:
- (i) the Five-day Catch and Effort Reporting System set out in Conservation Measure 23-01;
 - (ii) the Monthly Fine-scale Catch and Effort Reporting System set out in Conservation Measure 23-04. Fine-scale data shall be submitted on a haul-by-haul basis.
15. For the purpose of Conservation Measures 23-01 and 23-04, the target species is *Dissostichus eleginoides* and 'by-catch species' are defined as any species other than *Dissostichus eleginoides*.
16. The total number and weight of *Dissostichus eleginoides* discarded, including those with the 'jellymeat' condition, shall be reported. These fish will count towards the total allowable catch.
- Data: biological 17. Fine-scale biological data, as required under Conservation Measure 23-05, shall be collected and recorded. Such data shall be reported in accordance with the CCAMLR Scheme of International Scientific Observation.
- Research fishing 18. Catches of *Dissostichus eleginoides* taken under the provisions of Conservation Measure 24-01 in the area of the fishery defined in this conservation measure shall be considered as part of the catch limit.
- Environmental protection 19. Conservation Measure 26-01 applies.
- ¹ This provision concerning the minimum distance separating fishing locations is adopted pending the adoption of a more appropriate definition of a fishing location by the Commission.
- ² The specified period is adopted in accordance with the reporting period specified in Conservation Measure 23-01, pending the adoption of a more appropriate period by the Commission.
- ³ For a longline or a pot, the path is defined from the point at which the first anchor of a set was deployed to the point at which the last anchor of that set was deployed.

Statistical Subarea 48.3 – the area of the fishery and the three management areas for catch allocation according to paragraph 4. 1 000 and 2 000 m contours are shown.



CONSERVATION MEASURE 41-03 (2011)
Limits on the fishery for *Dissostichus* spp. in Statistical Subarea 48.4 in the 2011/12 fishing season

Species	toothfish
Area	48.4
Season	2011/12
Gear	longline

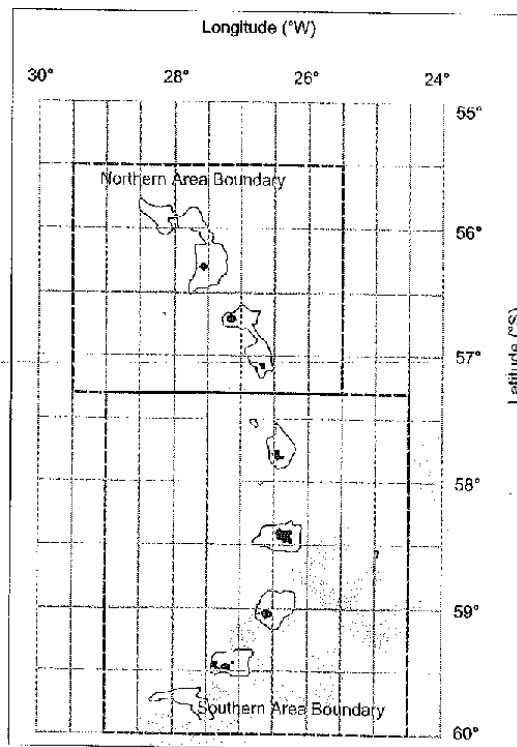
- Access
1. Directed fishing shall be by longlines only. The use of all other methods of directed fishing for *Dissostichus* spp. in Statistical Subarea 48.4 shall be prohibited.
 2. For the purpose of this fishery, the areas open to fishing are defined as that portion of Statistical Subarea 48.4 that lies within the area bounded by latitudes 55°30'S and 57°20'S and by longitudes 25°30'W and 29°30'W (Northern Area), and that portion of Statistical Subarea 48.4 that lies within the area bounded by latitudes 57°20'S and 60°00'S and by longitudes 24°30'W and 29°00'W (Southern Area).
 3. A map illustrating the areas defined by paragraph 2 is appended to this conservation measure (Annex 41-03/A). The portion of Statistical Subarea 48.4 outside that defined above shall be closed to directed fishing for *Dissostichus* spp. in the 2011/12 season.
- Catch limit
4. In the Northern Area of Statistical Subarea 48.4, the total catch of *Dissostichus eleginoides* shall be limited to 48 tonnes, and the targeting of *Dissostichus mawsoni*, other than for scientific research purposes, is prohibited.

5. In the Southern Area of Statistical Subarea 48.4, the total catch of *Dissostichus* spp. shall be limited to 33 tonnes.
- Season
6. For the purposes of the fishery for *Dissostichus* spp. in Statistical Subarea 48.4, the fishing season shall be 1 December 2011 to 30 November 2012, or until the total catch limit for *Dissostichus* spp. as specified in paragraphs 4 and 5, in Statistical Subarea 48.4 is reached, whichever is sooner.
- By-catch
7. In the Northern Area of Statistical Subarea 48.4, the by-catch of finfish shall not exceed 2.5 tonnes for skates and rays and 7.5 tonnes for *Macrourus* spp.
 8. In the Southern Area of Statistical Subarea 48.4, the by-catch of finfish shall trigger a move-on rule if the catch of skates and rays exceeds 5% of the catch of *Dissostichus* spp. in any one haul or set, or if the catch of *Macrourus* spp. reaches 150 kg and exceeds 16% of the catch of *Dissostichus* spp. in any one haul or set. If the move-on rule is triggered, then the fishing vessel shall move to another location at least 5 n miles¹ distant. The fishing vessel shall not return to any point within 5 n miles of the location where the move-on rule was triggered for a period of at least five days². The location where the move-on rule was triggered is defined as the path³ followed by the fishing vessel.
 9. For the purpose of these by-catch limits, 'Macrourus spp.' and 'skates and rays' shall each be counted as a single species.
 10. *Dissostichus mawsoni* caught in the Northern Area of Statistical Subarea 48.4 shall, if in good condition, be tagged and released; or if dead, may be retained.
- Mitigation
11. Fishing in Statistical Subarea 48.4 shall be carried out in accordance with the provisions of Conservation Measure 25-02. When fishing is carried out in accordance with the provisions of Conservation Measure 24-02, vessels may, subject to paragraph 13 below, fish during daylight hours in an exemption to paragraph 5 (night setting) of Conservation Measure 25-02.
 12. Fishing in Statistical Subarea 48.4 in December, January, February, March, October and November shall, in addition to paragraph 11 above, be carried out in accordance with the provisions of Conservation Measure 24-02.
 13. Any vessel fishing under the exemption from night setting provided in paragraph 11 above and catching a total of three (3) seabirds shall immediately revert to night setting in accordance with Conservation Measure 25-02.
- Observers
14. Each vessel participating in the fishery for *Dissostichus* spp. in Statistical Subarea 48.4 shall have at least one scientific observer, appointed in

accordance with the CCAMLR Scheme of International Scientific Observation, on board throughout all fishing activities within the fishing period.

- Data: catch/effort
15. For the purpose of implementing this conservation measure, the following shall apply:
- (i) the Five-day Catch and Effort Reporting System set out in Conservation Measure 23-01;
 - (ii) the Monthly Fine-scale Catch and Effort Data Reporting System set out in Conservation Measure 23-04. Data shall be reported on a haul-by-haul basis. For the purposes of Conservation Measure 23-04, the target species is *Dissostichus* spp., and 'by-catch species' are defined as any species other than *Dissostichus* spp.
- Data: biological
16. Fine-scale biological data, as required under Conservation Measure 23-05, shall be collected and recorded. Such data shall be reported in accordance with the CCAMLR Scheme of International Scientific Observation.
- Tagging program
17. Each vessel taking part in the fishery for *Dissostichus* spp. in Statistical Subarea 48.4 shall undertake a tagging program in accordance with the CCAMLR Tagging Protocol. The following additional provisions shall apply:
- (i) fish should be tagged at an average rate of five fish per tonne of green weight catch throughout the season;
 - (ii) fish should be tagged that have been caught across as broad a range of depths within the designated area as practicable;
 - (iii) fish of a range of total lengths should be tagged.
- Environmental protection
18. Conservation Measure 26-01 applies.
- ¹ This provision concerning the minimum distance separating fishing locations is adopted pending the adoption of a more appropriate definition of a fishing location by the Commission.
 - ² The specified period is adopted in accordance with the reporting period specified in Conservation Measure 23-01, pending the adoption of a more appropriate period by the Commission.
 - ³ For a longline or a pot, the path is defined from the point at which the first anchor of a set was deployed to the point at which the last anchor of that set was deployed.

Statistical Subarea 48.4 – Northern Area and Southern Area of the fishery as defined in paragraph 2. Latitudes and longitudes are given in degrees, and the 1 000 m contour is shown.



CONSERVATION MEASURE 41-04 (2011)
Limits on the exploratory fishery for *Dissostichus* spp.
in Statistical Subarea 48.6 in the 2011/12 season

Species	toothfish
Area	48.6
Season	2011/12
Gear	longline

The Commission hereby adopts the following conservation measure in accordance with Conservation Measure 21-02:

- Access
1. Fishing for *Dissostichus* spp. in Statistical Subarea 48.6 shall be limited to the exploratory longline fishery by Japan, Republic of Korea, Norway, Russia and South Africa. The fishery shall be conducted by Japanese, Korean, Norwegian, Russian and South African flagged vessels using longlines only. No more than one vessel per country shall fish at any one time.

- Catch limit 2. The total catch of *Dissostichus* spp. in Statistical Subarea 48.6 in the 2011/12 season shall not exceed a precautionary catch limit of 200 tonnes north of 60°S and 200 tonnes south of 60°S.
- Season 3. For the purpose of the exploratory longline fishery for *Dissostichus* spp. in Statistical Subarea 48.6, the 2011/12 season is defined as the period from 1 December 2011 to 30 November 2012.
- By-catch 4. The by-catch in this fishery shall be regulated as set out in Conservation Measure 33-03.
- Mitigation 5. The exploratory longline fishery for *Dissostichus* spp. in Statistical Subarea 48.6 shall be carried out in accordance with the provisions of Conservation Measure 25-02, except paragraph 5 (night setting), which shall not apply as long as the requirements of Conservation Measure 24-02 are met.
6. Any vessel catching a total of three (3) seabirds shall immediately revert to night setting in accordance with Conservation Measure 25-02.
- Observers 7. Each vessel participating in the fishery shall have at least two scientific observers, one of whom shall be an observer appointed in accordance with the CCAMLR Scheme of International Scientific Observation, on board throughout all fishing activities within the fishing period.
- Data: catch/effort 8. For the purpose of implementing this conservation measure in the 2011/12 season, the following shall apply:
- (i) the Daily Catch and Effort Reporting System set out in Conservation Measure 23-07;
- (ii) the Five-day Catch and Effort Reporting System set out in Conservation Measure 23-01;
- (iii) the Monthly Fine-scale Catch and Effort Reporting System set out in Conservation Measure 23-04. Fine-scale data shall be submitted on a haul-by-haul basis.
9. For the purpose of Conservation Measures 23-01 and 23-04, the target species is *Dissostichus* spp. and 'by-catch species' are defined as any species other than *Dissostichus* spp.
- Data: biological 10. Fine-scale biological data, as required under Conservation Measure 23-05, shall be collected and recorded. Such data shall be reported in accordance with the CCAMLR Scheme of International Scientific Observation.
- Research 11. Each vessel participating in this exploratory fishery shall conduct fishery-based research in accordance with the Research Plan and Tagging Program described in Conservation Measure 41-01, Annex B and Annex C respectively.

12. Toothfish shall be tagged at a rate of at least five fish per tonne green weight caught.
- Environmental protection 13. Conservation Measure 26-01 applies.
14. There shall be no offal¹ discharge in this fishery.
15. Conservation Measures 22-06, 22-07 and 22-08 apply.

¹ 'Offal' is defined as bait and by-products from the processing of fish and other organisms, including parts or sections of fish or organisms which are by-products of processing.

CONSERVATION MEASURE 41-05 (2011)
Limits on the exploratory fishery for *Dissostichus* spp.
in Statistical Division 58.4.2 in the 2011/12 season

Species	toothfish
Area	58.4.2
Season	2011/12
Gear	longline

The Commission hereby adopts the following conservation measure in accordance with Conservation Measure 21-02, and notes that this measure would be for one year and that data arising from these activities would be reviewed by the Scientific Committee:

- Access 1. Fishing for *Dissostichus* spp. in Statistical Division 58.4.2 shall be limited to the exploratory longline fishery by Japan, Republic of Korea, New Zealand, South Africa and Spain. The fishery shall be conducted by one (1) Japanese, one (1) Korean, one (1) New Zealand, one (1) South African and one (1) Spanish flagged vessels using longlines only.
- Catch limit¹ 2. The total catch of *Dissostichus* spp. in Statistical Division 58.4.2 in the 2011/12 season shall not exceed a precautionary catch limit of 70 tonnes applied as follows:
- SSRU A – 30 tonnes
 - SSRU B – 0 tonnes
 - SSRU C – 0 tonnes
 - SSRU D – 0 tonnes
 - SSRU E – 40 tonnes.
- Catches taken by fishing vessels undertaking research according to Conservation Measure 24-01 shall be included as part of the precautionary catch limit.
- Season 3. For the purpose of the exploratory longline fishery for *Dissostichus* spp. in Statistical Division 58.4.2, the 2011/12 season is defined as the period from 1 December 2011 to 30 November 2012.
- Fishing operations 4. The exploratory longline fishery for *Dissostichus* spp. in Statistical Division 58.4.2 shall be carried out in accordance with the provisions of Conservation Measure 41-01, except paragraph 6.

- By-catch 5. The by-catch in this fishery shall be regulated as set out in Conservation Measure 33-03.
- Mitigation 6. The exploratory longline fishery for *Dissostichus* spp. in Statistical Division 58.4.2 shall be carried out in accordance with the provisions of Conservation Measure 25-02, except paragraph 5 (night setting) shall not apply, providing that vessels comply with Conservation Measure 24-02.
7. Any vessel catching a total of three (3) seabirds shall immediately revert to night setting in accordance with Conservation Measure 25-02.
- Observers 8. Each vessel participating in the fishery shall have at least two scientific observers, one of whom shall be an observer appointed in accordance with the CCAMLR Scheme of International Scientific Observation, on board throughout all fishing activities within the fishing period.
- Research 9. Each vessel participating in this exploratory fishery shall conduct fishery-based research in accordance with the Research Plan and Tagging Program described in Conservation Measure 41-01, Annex B and Annex C respectively.
10. Toothfish shall be tagged at a rate of at least five fish per tonne green weight caught.
- Data: catch/effort 11. For the purpose of implementing this conservation measure in the 2011/12 season, the following shall apply:
- (i) the Daily Catch and Effort Reporting System set out in Conservation Measure 23-07;
 - (ii) the Five-day Catch and Effort Reporting System set out in Conservation Measure 23-01;
 - (iii) the Monthly Fine-scale Catch and Effort Reporting System set out in Conservation Measure 23-04. Fine-scale data shall be submitted on a haul-by-haul basis;
 - (iv) fishing vessels undertaking research in accordance with Conservation Measure 24-01 shall report data in accordance with the requirements (i) to (iii) above.
12. For the purpose of Conservation Measures 23-01 and 23-04, the target species is *Dissostichus* spp. and 'by-catch species' are defined as any species other than *Dissostichus* spp.
- Data: biological 13. Fine-scale biological data, as required under Conservation Measure 23-05, shall be collected and recorded. Such data shall be reported in accordance with the CCAMLR Scheme of International Scientific Observation.

- Environmental protection
14. Conservation Measure 26-01 applies.
 15. Conservation Measures 22-06, 22-07 and 22-08 apply.

¹ In SSRUs B, C and D, scientific research may be carried out in accordance with Conservation Measure 24-01.

CONSERVATION MEASURE 41-06 (2011)
Limits on the exploratory fishery for *Dissostichus* spp. on Elan Bank (Statistical Division 58.4.3a) outside areas of national jurisdiction in the 2011/12 season

Species	toothfish
Area	58.4.3a
Season	2011/12
Gear	longline

The Commission hereby adopts the following conservation measure in accordance with Conservation Measure 21-02:

- | | |
|-------------|---|
| Access | 1. Fishing for <i>Dissostichus</i> spp. on Elan Bank (Statistical Division 58.4.3a) outside areas of national jurisdiction shall be limited to the exploratory fishery by France, Japan and South Africa. The fishery shall be conducted by one (1) French, one (1) Japanese and one (1) South African flagged vessels using longlines only. |
| Catch limit | 2. The total catch of <i>Dissostichus</i> spp. on Elan Bank (Statistical Division 58.4.3a) outside areas of national jurisdiction in the 2011/12 season shall not exceed a precautionary catch limit of 86 tonnes. |
| Season | 3. For the purpose of the exploratory longline fishery for <i>Dissostichus</i> spp. on Elan Bank (Statistical Division 58.4.3a) outside areas of national jurisdiction, the 2011/12 season is defined as the period from 1 May to 31 August 2012, or until the catch limit is reached, whichever is sooner. |
| By-catch | 4. The by-catch in this fishery shall be regulated as set out in Conservation Measure 33-03. |
| Mitigation | 5. The operation of this fishery shall be carried out in accordance with Conservation Measure 25-02 so as to minimise the incidental mortality of seabirds in the course of fishing. |
| | 6. The fishery on Elan Bank (Statistical Division 58.4.3a) outside areas of national jurisdiction, may take place outside the prescribed season (paragraph 3) provided that, prior to entry into force of the licence, each vessel shall demonstrate its capacity to comply with longline weighting as approved by the Scientific Committee and described in Conservation Measure 24-02 and such data shall be reported to the Secretariat immediately. |

7. Should a total of three (3) seabirds be caught by a vessel outside the normal season (defined in paragraph 3), the vessel shall cease fishing immediately and shall not be permitted to fish outside the normal fishing season for the remainder of the 2011/12 fishing season.
- Observers 8. Each vessel participating in this fishery shall have at least one scientific observer appointed in accordance with the CCAMLR Scheme of International Scientific Observation and, where possible, one additional scientific observer, on board throughout all fishing activities within the fishing period.
- Data: catch/effort 9. For the purpose of implementing this conservation measure in the 2011/12 season, the following shall apply:
- (i) the Daily Catch and Effort Reporting System set out in Conservation Measure 23-07;
 - (ii) the Five-day Catch and Effort Reporting System set out in Conservation Measure 23-01;
 - (iii) the Monthly Fine-scale Catch and Effort Reporting System set out in Conservation Measure 23-04. Fine-scale data shall be submitted on a haul-by-haul basis.
10. For the purpose of Conservation Measures 23-01 and 23-04, the target species is *Dissostichus* spp. and 'by-catch species' are defined as any species other than *Dissostichus* spp.
- Data: biological 11. Fine-scale biological data, as required under Conservation Measure 23-05, shall be collected and recorded. Such data shall be reported in accordance with the CCAMLR Scheme of International Scientific Observation.
- Research 12. Each vessel participating in this exploratory fishery shall conduct fishery-based research in accordance with the Research Plan and Tagging Program described in Conservation Measure 41-01, Annex B and Annex C respectively.
13. Toothfish shall be tagged at a rate of at least five fish per tonne green weight caught.
- Environ- mental Protection 14. Conservation Measure 26-01 applies.
15. Conservation Measures 22-06, 22-07 and 22-08 apply.

CONSERVATION MEASURE 41-07 (2011)
Limits on the exploratory fishery for *Dissostichus* spp.
on BANZARE Bank (Statistical Division 58.4.3b) outside
areas of national jurisdiction in the 2011/12 season

Species	toothfish
Area	58.4.3b
Season	2011/12
Gear	longline

The Commission hereby adopts the following conservation measure in accordance with Conservation Measure 21-02:

- Access 1. Fishing for *Dissostichus* spp. on BANZARE Bank (Statistical Division 58.4.3b) outside areas of national jurisdiction shall be limited to the exploratory fishery by Japan. The fishery shall be conducted by one (1) Japanese flagged vessel using longlines only.
- Catch limit 2. The total catch of *Dissostichus* spp. on BANZARE Bank (Statistical Division 58.4.3b) outside areas of national jurisdiction in the 2011/12 season shall not exceed a precautionary catch limit of 0 tonnes applied as follows:
- SSRU A – 0 tonnes
SSRU B – 0 tonnes
SSRU C – 0 tonnes
SSRU D – 0 tonnes
SSRU E – 0 tonnes.
- Season 3. For the purpose of the exploratory longline fishery for *Dissostichus* spp. on BANZARE Bank (Statistical Division 58.4.3b) outside areas of national jurisdiction, the 2011/12 season is defined as the period from 1 May to 31 August 2012, or until the catch limit is reached, whichever is sooner.
- By-catch 4. The by-catch in this fishery shall be regulated as set out in Conservation Measure 33-03.
- Mitigation 5. The operation of this fishery shall be carried out in accordance with Conservation Measure 25-02 so as to minimise the incidental mortality of seabirds in the course of fishing.
6. The fishery on BANZARE Bank (Statistical Division 58.4.3b) outside areas of national jurisdiction, may take place outside the prescribed season (paragraph 3) provided that, prior to entry into force of the licence, each vessel shall demonstrate its capacity to comply with experimental line-weighting trials as approved by the Scientific Committee and described in Conservation Measure 24-02 and such data shall be reported to the Secretariat immediately.
7. Should a total of three (3) seabirds be caught by a vessel outside the normal season (defined in paragraph 3), the vessel shall cease fishing immediately and shall not be permitted to fish outside the normal fishing season for the remainder of the 2011/12 fishing season.

- Observers 8. Each vessel participating in this fishery shall have at least one scientific observer appointed in accordance with the CCAMLR Scheme of International Scientific Observation and, where possible, one additional scientific observer, on board throughout all fishing activities within the fishing period.
- Data: catch/effort 9. For the purpose of implementing this conservation measure in the 2011/12 season, the following shall apply:
- (i) the Daily Catch and Effort Reporting System set out in Conservation Measure 23-07;
 - (ii) the Five-day Catch and Effort Reporting System set out in Conservation Measure 23-01;
 - (iii) the Monthly Fine-scale Catch and Effort Reporting System set out in Conservation Measure 23-04. Fine-scale data shall be submitted on a haul-by-haul basis.
10. For the purpose of Conservation Measures 23-01 and 23-04, the target species is *Dissostichus* spp. and 'by-catch species' are defined as any species other than *Dissostichus* spp.
- Data: biological 11. Fine-scale biological data, as required under Conservation Measure 23-05, shall be collected and recorded. Such data shall be reported in accordance with the CCAMLR Scheme of International Scientific Observation.
- Research 12. Each vessel participating in this exploratory fishery shall conduct fishery-based research in accordance with the Research Plan and Tagging Program described in Conservation Measure 41-01, Annex B and Annex C respectively.
13. Research shall be conducted in accordance with Conservation Measure 24-01.
14. Toothfish shall be tagged at a rate of at least five fish per tonne green weight caught.
- Environmental protection 15. Conservation Measure 26-01 applies.
16. Conservation Measures 22-06, 22-07 and 22-08 apply.

CONSERVATION MEASURE 41-08 (2011)
Limits on the fishery for *Dissostichus eleginoides* in
Statistical Division 58.5.2 in the 2011/12 and 2012/13 seasons

Species	toothfish
Area	58.5.2
Season	2011/12, 2012/13
Gear	various

- Access 1. The fishery for *Dissostichus eleginoides* in Statistical Division 58.5.2 shall be conducted by vessels using trawls, pots or longlines only.
- Catch limit 2. The total catch of *Dissostichus eleginoides* in Statistical Division 58.5.2 in the 2011/12 and 2012/13 seasons shall be limited to 2 730 tonnes west of 79°20'E in each season.
- Season 3. For the purpose of the trawl and pot fisheries for *Dissostichus eleginoides* in Statistical Division 58.5.2, the 2011/12 and 2012/13 seasons are defined as the period from 1 December to 30 November, or until the catch limit is reached, whichever is sooner. For the purpose of the longline fishery for *Dissostichus eleginoides* in Statistical Division 58.5.2, the 2011/12 and 2012/13 seasons are defined as the period from 1 May to 14 September in each season, or until the catch limit is reached, whichever is sooner. The season for longline fishing operations may be extended from 15 April to 30 April and 15 September to 31 October in each season for any vessel which has demonstrated full compliance with Conservation Measure 25-02 in the previous season. These extensions to the season will also be subject to a total catch limit of three (3) seabirds per vessel. If three seabirds are caught during the season extension, fishing throughout the season extensions shall cease immediately for that vessel.
- By-catch 4. Fishing shall cease if the by-catch of any species reaches its by-catch limit as set out in Conservation Measure 33-02.
- Mitigation 5. The operation of the trawl fishery shall be carried out in accordance with Conservation Measure 25-03 so as to minimise the incidental mortality of seabirds and mammals through the course of fishing. The operation of the longline fishery shall be carried out in accordance with Conservation Measure 25-02, except paragraph 5 (night setting) shall not apply for vessels using integrated weighted lines (IWLs) during the period 15 April to 31 October in the 2011/12 and 2012/13 seasons. Such vessels may deploy IWL gear during daylight hours if, prior to entry into force of the licence, each vessel shall demonstrate its capacity to comply with experimental line-weighting trials as approved by the Scientific Committee and described in Conservation Measure 24-02.

During the period 15 April to 30 April in the 2011/12 and 2012/13 seasons, vessels shall use IWL gear in conjunction with paired streamer lines.

- Observers 6. Each vessel participating in this fishery shall have at least one scientific observer, and may include one appointed in accordance with the CCAMLR Scheme of International Scientific Observation, on board throughout all fishing activities within the fishing period, with the exception of the period 15 April to 30 April in the 2011/12 and 2012/13 seasons when two scientific observers shall be carried.
- Data: 7. For the purpose of implementing this conservation measure, the following catch/effort shall apply:
- (i) the Ten-day Catch and Effort Reporting System set out in Annex 41-08/A;
 - (ii) the Monthly Fine-scale Catch and Effort Reporting System set out in Annex 41-08/A. Fine-scale data shall be submitted on a haul-by-haul basis.
8. For the purpose of Annex 41-08/A, the target species is *Dissostichus eleginoides* and by-catch species are defined as any species other than *Dissostichus eleginoides*.
9. The total number and weight of *Dissostichus eleginoides* discarded, including those with the 'jellymeat' condition, shall be reported. These fish will count towards the total allowable catch.
- Data: 10. Fine-scale biological data, as required under Annex 41-08/A, shall be biological collected and recorded. Such data shall be reported in accordance with the CCAMLR Scheme of International Scientific Observation.
- Environ- 11. Conservation Measure 26-01 applies. mental protection

ANNEX 41-08/A

DATA REPORTING SYSTEM

A ten-day catch and effort reporting system shall be implemented:

- (i) for the purpose of implementing this system, the calendar month shall be divided into three reporting periods, viz: day 1 to day 10, day 11 to day 20 and day 21 to the last day of the month. The reporting periods are hereafter referred to as periods A, B and C;
- (ii) at the end of each reporting period, each Contracting Party participating in the fishery shall obtain from each of its vessels information on total catch and total days and hours fished for that period and shall, by cable, telex, facsimile or

electronic transmission, transmit the aggregated catch and days and hours fished for its vessels so as to reach the Executive Secretary no later than the end of the next reporting period;

- (iii) a report must be submitted by every Contracting Party taking part in the fishery for each reporting period for the duration of the fishery, even if no catches are taken;
- (iv) the catch of *Dissostichus eleginoides* and of all by-catch species must be reported;
- (v) such reports shall specify the month and reporting period (A, B and C) to which each report refers;
- (vi) immediately after the deadline has passed for receipt of the reports for each period, the Executive Secretary shall notify all Contracting Parties engaged in fishing activities in the division of the total catch taken during the reporting period and the total aggregate catch for the season to date;
- (vii) at the end of every three reporting periods, the Executive Secretary shall inform all Contracting Parties of the total catch taken during the three most recent reporting periods and the total aggregate catch for the season to date.

A fine-scale catch, effort and biological data reporting system shall be implemented:

- (i) the scientific observer(s) aboard each vessel shall collect the data required to complete the CCAMLR fine-scale catch and effort data form C1 for trawl fishing, form C2 for longline fishing, or form C5 for pot fishing, latest versions. These data shall be submitted to the CCAMLR Secretariat not later than one month after the vessel returns to port;
- (ii) the catch of *Dissostichus eleginoides* and of all by-catch species must be reported;
- (iii) the numbers of seabirds and marine mammals of each species caught and released or killed must be reported;
- (iv) the scientific observer(s) aboard each vessel shall collect data on the length composition from representative samples of *Dissostichus eleginoides* and by-catch species:
 - (a) length measurements shall be to the nearest centimetre below;
 - (b) representative samples of length composition shall be taken from each fine-scale grid rectangle (0.5° latitude by 1° longitude) fished in each calendar month;
- (v) the above data shall be submitted to the CCAMLR Secretariat not later than one month after the vessel returns to port.

CONSERVATION MEASURE 41-09 (2011)
Limits on the exploratory fishery for *Dissostichus* spp.
in Statistical Subarea 88.1 in the 2011/12 season

Species	toothfish
Area	88.1
Season	2011/12
Gear	longline

The Commission hereby adopts the following conservation measure in accordance with Conservation Measure 21-02:

- Access** 1. Fishing for *Dissostichus* spp. in Statistical Subarea 88.1 shall be limited to the exploratory longline fishery by Japan, Republic of Korea, New Zealand, Norway, Russia, Spain and UK. The fishery shall be conducted by a maximum in the season of one (1) Japanese, four (4) Korean, four (4) New Zealand, one (1) Norwegian, five (5) Russian, one (1) Spanish and two (2) UK flagged vessels using longlines only.
- Catch limit** 2. The total catch of *Dissostichus* spp. in Statistical Subarea 88.1 in the 2011/12 season shall not exceed a precautionary catch limit of 3 282 tonnes applied as follows:
- SSRU A – 0 tonnes
 - SSRUs B, C and G – 428 tonnes total
 - SSRU D – 0 tonnes
 - SSRU E – 0 tonnes
 - SSRU F – 0 tonnes
 - SSRUs H, I and K – 2 423 tonnes total
 - SSRUs J and L – 351 tonnes total
 - SSRU M – 0 tonnes.
3. A discrete research catch limit of 80 tonnes is set aside for the pre-recruit research survey notified by New Zealand¹ under CM 24-01, to be undertaken by the vessel *San Aotea II* in the 2011/12 season. This research catch limit is fixed and shall not be modified by any overrun of the individual or combined SSRU catch limits for target or by-catch species in Subarea 88.1.
- The setting aside of a research catch limit for the continuation of the pre-recruit research survey by New Zealand in the 2012/13 season, will be considered at the Commission meeting in 2012 based on advice from the Scientific Committee.
- Season** 4. For the purpose of the exploratory longline fishery for *Dissostichus* spp. in Statistical Subarea 88.1, the 2011/12 season is defined as the period from 1 December 2011 to 31 August 2012.
- Fishing operations** 5. The exploratory longline fishery for *Dissostichus* spp. in Statistical Subarea 88.1 shall be carried out in accordance with the provisions of Conservation Measure 41-01, except paragraph 6.

By-catch 6. The total by-catch in Statistical Subarea 88.1 in the 2011/12 season shall not exceed a precautionary catch limit of 164 tonnes of skates and rays, and 430 tonnes of *Macrourus* spp. Within these total by-catch limits, individual limits will apply as follows:

- SSRU A – 0 tonnes of any species
- SSRUs B, C and G total – 50 tonnes of skates and rays, 40 tonnes of *Macrourus* spp., 60 tonnes of other species
- SSRU D – 0 tonnes of any species
- SSRU E – 0 tonnes of any species
- SSRU F – 0 tonnes of any species
- SSRUs H, I and K total – 121 tonnes of skates and rays, 320 tonnes of *Macrourus* spp., 60 tonnes of other species
- SSRUs J and L – 50 tonnes of skates and rays, 70 tonnes of *Macrourus* spp., 40 tonnes of other species
- SSRU M – 0 tonnes of any species.

The by-catch in this fishery shall be regulated as set out in Conservation Measure 33-03.

Mitigation 7. The exploratory longline fishery for *Dissostichus* spp. in Statistical Subarea 88.1 shall be carried out in accordance with the provisions of Conservation Measure 25-02, except paragraph 5 (night setting), which shall not apply as long as the requirements of Conservation Measure 24-02 are met.

8. Any vessel catching a total of three (3) seabirds shall immediately revert to night setting in accordance with Conservation Measure 25-02.

Observers 9. Each vessel participating in the fishery shall have at least two scientific observers, one of whom shall be an observer appointed in accordance with the CCAMLR Scheme of International Scientific Observation, on board throughout all fishing activities within the fishing period.

VMS 10. Each vessel participating in this exploratory longline fishery shall be required to operate a VMS at all times, in accordance with Conservation Measure 10-04.

CDS 11. Each vessel participating in this exploratory longline fishery shall be required to participate in the Catch Documentation Scheme for *Dissostichus* spp., in accordance with Conservation Measure 10-05.

Research 12. Each vessel participating in this exploratory fishery shall conduct fishery-based research in accordance with the Research Plan and Tagging Program described in Conservation Measure 41-01, Annex B and Annex C respectively. The setting of research hauls (Conservation Measure 41-01, Annex B, paragraphs 3 and 4) is not required.

13. Toothfish shall be tagged at a rate of at least one fish per tonne green weight caught in each SSRU.

- Data: catch/effort
14. For the purpose of implementing this conservation measure in the 2011/12 season, the following shall apply:
- (i) the Daily Catch and Effort Reporting System set out in Conservation Measure 23-07;
 - (ii) the Five-day Catch and Effort Reporting System set out in Conservation Measure 23-01;
 - (iii) the Monthly Fine-scale Catch and Effort Reporting System set out in Conservation Measure 23-04. Fine-scale data shall be submitted on a haul-by-haul basis.
15. For the purpose of Conservation Measures 23-01 and 23-04, the target species is *Dissostichus* spp. and by-catch species are defined as any species other than *Dissostichus* spp.
- Data: biological
16. Fine-scale biological data, as required under Conservation Measure 23-05, shall be collected and recorded. Such data shall be reported in accordance with the CCAMLR Scheme of International Scientific Observation.
- Environmental protection
17. Conservation Measure 26-01 applies.
18. Conservation Measures 22-06, 22-07, 22-08 and 22-09 apply.
- Additional elements
19. Fishing for *Dissostichus* spp. in Statistical Subarea 88.1 shall be prohibited within 10 n miles of the coast of the Balleny Islands.

¹ SC-CAMLR-XXX, paragraph 3.174

CONSERVATION MEASURE 41-10 (2011)
Limits on the exploratory fishery for *Dissostichus* spp.
in Statistical Subarea 88.2 in the 2011/12 season

Species	toothfish
Area	88.2
Season	2011/12
Gear	longline

The Commission hereby adopts the following conservation measure in accordance with Conservation Measure 21-02:

- Access
1. Fishing for *Dissostichus* spp. in Statistical Subarea 88.2 shall be limited to the exploratory longline fishery by Republic of Korea, New Zealand, Norway, Russia, Spain and UK. The fishery shall be conducted by a maximum in the season of three (3) Korean, four (4) New Zealand, one (1) Norwegian, five (5) Russian, one (1) Spanish and two (2) UK flagged vessels using longlines only.

- Catch limit 2. The total catch of *Dissostichus* spp. in Statistical Subarea 88.2 in the 2011/12 season shall not exceed a precautionary catch limit of 530 tonnes applied as follows:
- SSRU A – 0 tonnes
 - SSRU B – 0 tonnes
 - SSRUs C, D, E, F and G – 124 tonnes total
 - SSRU H – 406 tonnes
 - SSRU I – 0 tonnes.
- Season 3. For the purpose of the exploratory longline fishery for *Dissostichus* spp. in Statistical Subarea 88.2, the 2011/12 season is defined as the period from 1 December 2011 to 31 August 2012.
4. The exploratory longline fishery for *Dissostichus* spp. in Statistical Subarea 88.2 shall be carried out in accordance with the provisions of Conservation Measure 41-01, except paragraph 6.
- By-catch 5. The total by-catch in Statistical Subarea 88.2 in the 2011/12 season shall not exceed a precautionary catch limit of 50 tonnes of skates and rays, and 84 tonnes of *Macrourus* spp. Within these total by-catch limits, individual limits will apply as follows:
- SSRU A – 0 tonnes of any species
 - SSRU B – 0 tonnes of any species
 - SSRUs C, D, E, F, G – 50 tonnes of skates and rays, 20 tonnes of *Macrourus* spp., 100 tonnes of other species
 - SSRU H – 50 tonnes of skates and rays, 64 tonnes of *Macrourus* spp., 20 tonnes of other species
 - SSRU I – 0 tonnes of any species.
- The by-catch in this fishery shall be regulated as set out in Conservation Measure 33-03.
- Mitigation 6. The exploratory longline fishery for *Dissostichus* spp. in Statistical Subarea 88.2 shall be carried out in accordance with the provisions of Conservation Measure 25-02, except paragraph 5 (night setting), which shall not apply as long as the requirements of Conservation Measure 24-02 are met.
7. Any vessel catching a total of three (3) seabirds shall immediately revert to night setting in accordance with Conservation Measure 25-02.
- Observers 8. Each vessel participating in the fishery shall have at least two scientific observers, one of whom shall be an observer appointed in accordance with the CCAMLR Scheme of International Scientific Observation, on board throughout all fishing activities within the fishing period.

- VMS 9. Each vessel participating in this exploratory longline fishery shall be required to operate a VMS at all times, in accordance with Conservation Measure 10-04.
- CDS 10. Each vessel participating in this exploratory longline fishery shall be required to participate in the Catch Documentation Scheme for *Dissostichus* spp., in accordance with Conservation Measure 10-05.
- Research 11. Each vessel participating in this exploratory fishery shall conduct fishery-based research in accordance with the Research Plan and Tagging Program described in Conservation Measure 41-01, Annex B and Annex C respectively. The setting of research hauls (Conservation Measure 41-01, Annex B, paragraphs 3 and 4) is not required.
12. Toothfish shall be tagged at a rate of at least one fish per tonne green weight caught in each SSRU.
- Data: 13. For the purpose of implementing this conservation measure in the 2011/12 catch/effort season, the following shall apply:
- (i) the Daily Catch and Effort Reporting System set out in Conservation Measure 23-07;
- (ii) the Five-day Catch and Effort Reporting System set out in Conservation Measure 23-01;
- (iii) the Monthly Fine-scale Catch and Effort Reporting System set out in Conservation Measure 23-04. Fine-scale data shall be submitted on a haul-by-haul basis.
14. For the purpose of Conservation Measures 23-01 and 23-04, the target species is *Dissostichus* spp. and by-catch species are defined as any species other than *Dissostichus* spp.
- Data: 15. Fine-scale biological data, as required under Conservation Measure 23-05, biological shall be collected and recorded. Such data shall be reported in accordance with the CCAMLR Scheme of International Scientific Observation.
- Environ- 16. Conservation Measure 26-01 applies. mental
protection 17. Conservation Measures 22-06, 22-07 and 22-08 apply.

CONSERVATION MEASURE 41-11 (2011)
Limits on the exploratory fishery for *Dissostichus* spp.
in Statistical Division 58.4.1 in the 2011/12 season

Species	toothfish
Area	58.4.1
Season	2011/12
Gear	longline

The Commission hereby adopts the following conservation measure in accordance with Conservation Measure 21-02, and notes that this measure would be for one year and that data arising from these activities would be reviewed by the Scientific Committee:

- | | |
|--------------------------|---|
| Access | 1. Fishing for <i>Dissostichus</i> spp. in Statistical Division 58.4.1 shall be limited to the exploratory longline fishery by Japan, Republic of Korea, New Zealand, Russia, South Africa and Spain. The fishery shall be conducted by one (1) Japanese, two (2) Korean, three (3) New Zealand, two (2) Russian, one (1) South African and one (1) Spanish flagged vessels using longlines only. |
| Catch limit ¹ | 2. The total catch of <i>Dissostichus</i> spp. in Statistical Division 58.4.1 in the 2011/12 season shall not exceed a precautionary catch limit of 210 tonnes applied as follows: <ul style="list-style-type: none"> SSRU A – 0 tonnes SSRU B – 0 tonnes SSRU C – 100 tonnes SSRU D – 0 tonnes SSRU E – 50 tonnes SSRU F – 0 tonnes SSRU G – 60 tonnes SSRU H – 0 tonnes. <p style="margin-top: 10px;">Catches taken by fishing vessels undertaking research according to Conservation Measure 24-01 shall be included as part of the precautionary catch limit.</p> |
| Season | 3. For the purpose of the exploratory longline fishery for <i>Dissostichus</i> spp. in Statistical Division 58.4.1, the 2011/12 season is defined as the period from 1 December 2011 to 30 November 2012. |
| Fishing operations | 4. The exploratory longline fishery for <i>Dissostichus</i> spp. in Statistical Division 58.4.1 shall be carried out in accordance with the provisions of Conservation Measure 41-01, except paragraph 6. |
| By-catch | 5. The by-catch in this fishery shall be regulated as set out in Conservation Measure 33-03. |
| Mitigation | 6. The exploratory longline fishery for <i>Dissostichus</i> spp. in Statistical Division 58.4.1 shall be carried out in accordance with the provisions of Conservation Measure 25-02, except paragraph 5 (night setting) shall not apply, providing that vessels comply with Conservation Measure 24-02. |

7. Any vessel catching a total of three (3) seabirds shall immediately revert to night setting in accordance with Conservation Measure 25-02.
- Observers 8. Each vessel participating in the fishery shall have at least two scientific observers, one of whom shall be an observer appointed in accordance with the CCAMLR Scheme of International Scientific Observation, on board throughout all fishing activities within the fishing period.
- Research 9. Each vessel participating in this exploratory fishery shall conduct fishery-based research in accordance with the Research Plan and Tagging Program described in Conservation Measure 41-01, Annex B and Annex C respectively.
10. Toothfish shall be tagged at a rate of at least five fish per tonne green weight caught.
- Data: catch/effort 11. For the purpose of implementing this conservation measure in the 2011/12 season, the following shall apply:
- (i) the Daily Catch and Effort Reporting System set out in Conservation Measure 23-07;
 - (ii) the Five-day Catch and Effort Reporting System set out in Conservation Measure 23-01;
 - (iii) the Monthly Fine-scale Catch and Effort Reporting System set out in Conservation Measure 23-04. Fine-scale data shall be submitted on a haul-by-haul basis;
 - (iv) fishing vessels undertaking research in accordance with Conservation Measure 24-01 shall report data in accordance with the requirements (i) to (iii) above.
12. For the purpose of Conservation Measures 23-01 and 23-04, the target species is *Dissostichus* spp. and by-catch species are defined as any species other than *Dissostichus* spp.
- Data: biological 13. Fine-scale biological data, as required under Conservation Measure 23-05, shall be collected and recorded. Such data shall be reported in accordance with the CCAMLR Scheme of International Scientific Observation.
- Environmental protection 14. Conservation Measure 26-01 applies.
15. There shall be no offal² discharge in this fishery.
16. Conservation Measures 22-06, 22-07 and 22-08 apply.
- ¹ In SSRUs A, B, D, F and H scientific research may be carried out in accordance with Conservation Measure 24-01.
- ² 'Offal' is defined as bait and by-products from the processing of fish and other organisms, including parts or sections of fish or organisms which are by-products of processing.

CONSERVATION MEASURE 42-01 (2011)
Limits on the fishery for *Champscephalus gunnari* in Statistical Subarea 48.3 in the 2011/12 season

Species	icefish
Area	48.3
Season	2011/12
Gear	trawl

The Commission hereby adopts the following conservation measure in accordance with Conservation Measure 31-01:

- Access
1. The fishery for *Champscephalus gunnari* in Statistical Subarea 48.3 shall be conducted by vessels using trawls only. The use of bottom trawls in the directed fishery for *Champscephalus gunnari* in Statistical Subarea 48.3 is prohibited.
 2. Fishing for *Champscephalus gunnari* shall be prohibited within 12 n miles of the coast of South Georgia during the period 1 March to 31 May.
- Catch limit
3. The total catch of *Champscephalus gunnari* in Statistical Subarea 48.3 in the 2011/12 season shall be limited to 3 072 tonnes.
 4. Where any haul contains more than 100 kg of *Champscephalus gunnari*, and more than 10% of the *Champscephalus gunnari* by number are smaller than 240 mm total length, the fishing vessel shall move to another fishing location at least 5 n miles distant¹. The fishing vessel shall not return to any point within 5 n miles of the location where the catch of small *Champscephalus gunnari* exceeded 10%, for a period of at least five days². The location where the catch of small *Champscephalus gunnari* exceeded 10% is defined as the path followed by the fishing vessel from the point at which the fishing gear was first deployed from the fishing vessel to the point at which the fishing gear was retrieved by the fishing vessel.
- Season
5. For the purpose of the trawl fishery for *Champscephalus gunnari* in Statistical Subarea 48.3, the 2011/12 season is defined as the period from 1 December 2011 to 30 November 2012, or until the catch limit is reached, whichever is sooner.

- By-catch 6. The by-catch in this fishery shall be regulated as set out in Conservation Measure 33-01. If, in the course of the directed fishery for *Champscephalus gunnari*, the by-catch in any one haul of any of the species named in Conservation Measure 33-01 is greater than 100 kg and exceeds 5% of the total catch of all fish by weight, or is equal to, or greater than, 2 tonnes, then the fishing vessel shall move to another location at least 5 n miles distant¹. The fishing vessel shall not return to any point within 5 n miles of the location where the by-catch of species named in Conservation Measure 33-01 exceeded 5% for a period of at least five days². The location where the by-catch exceeded 5% is defined as the path followed by the fishing vessel from the point at which the fishing gear was first deployed from the fishing vessel to the point at which the fishing gear was retrieved by the fishing vessel.
- Mitigation 7. The operation of this fishery shall be carried out in accordance with Conservation Measure 25-03 so as to minimise the incidental mortality of seabirds in the course of the fishery. Vessels shall use net binding³ and consider adding weight to the codend to reduce seabird captures during shooting operations.
8. Should any vessel catch a total of 20 seabirds, it shall cease fishing and shall be excluded from further participation in the fishery in the 2011/12 season.
- Observers 9. Each vessel participating in this fishery shall have at least one scientific observer appointed in accordance with the CCAMLR Scheme of International Scientific Observation and, where possible, one additional scientific observer, on board throughout all fishing activities within the fishing period.
- Data: 10. For the purpose of implementing this conservation measure in the catch/effort 2011/12 season, the following shall apply:
- (i) the Five-day Catch and Effort Reporting System set out in Conservation Measure 23-01;
 - (ii) the Monthly Fine-scale Catch and Effort Reporting System set out in Conservation Measure 23-04. Fine-scale data shall be submitted on a haul-by-haul basis.
11. For the purpose of Conservation Measures 23-01 and 23-04, the target species is *Champscephalus gunnari* and by-catch species are defined as any species other than *Champscephalus gunnari*.
- Data: 12. Fine-scale biological data, as required under Conservation biological Measure 23-05, shall be collected and recorded. Such data shall be reported in accordance with the CCAMLR Scheme of International Scientific Observation.

Environmental protection

13. Conservation Measure 26-01 applies.

- ¹ This provision concerning the minimum distance separating fishing locations is adopted pending the adoption of a more appropriate definition of a fishing location by the Commission.
- ² The specified period is adopted in accordance with the reporting period specified in Conservation Measure 23-01, pending the adoption of a more appropriate period by the Commission.
- ³ The following guidelines are provided to assist in the uptake of best-practice mitigation measures:
 - (i) When the net is on the deck, prior to shooting, the application of 3-ply sisal string (which typically has a breaking strength of around 110 kg), or a similar organic/biodegradable material, at intervals of 5 m or less prevents the net from spreading and lofting at the surface. Net binding should be applied to mesh ranging from 120–800 mm. These mesh sizes have been shown to cause the majority of entanglements of white-chinned petrels and black-browed albatrosses, which are the species most vulnerable to this form of mortality in Statistical Subarea 48.3.
 - (ii) When applying the 'string', tie an end to the net to prevent the string from slipping down the net and ensure that it can be removed when the net is hauled.
 - (iii) Since 2003, weights of 200–1 250 kg have been added to the codend, belly, mouth and groundrope of the net to increase the sink rate and increase the angle of the net's ascent during hauling, thus minimising surface net time. Evidence suggests that this has been effective in reducing bird entanglements during the haul. Vessels are encouraged to further experiment with appropriate net weighting.
 - (iv) Net cleaning should be used in conjunction with added weight and net binding to reduce seabird captures during shooting operations.
 - (v) Other additional steps should be taken to minimise the time that the net is on the water's surface during shooting and hauling.

CONSERVATION MEASURE 42-02 (2011)
Limits on the fishery for *Champscephalus gunnari* in Statistical Division 58.5.2 in the 2011/12 season

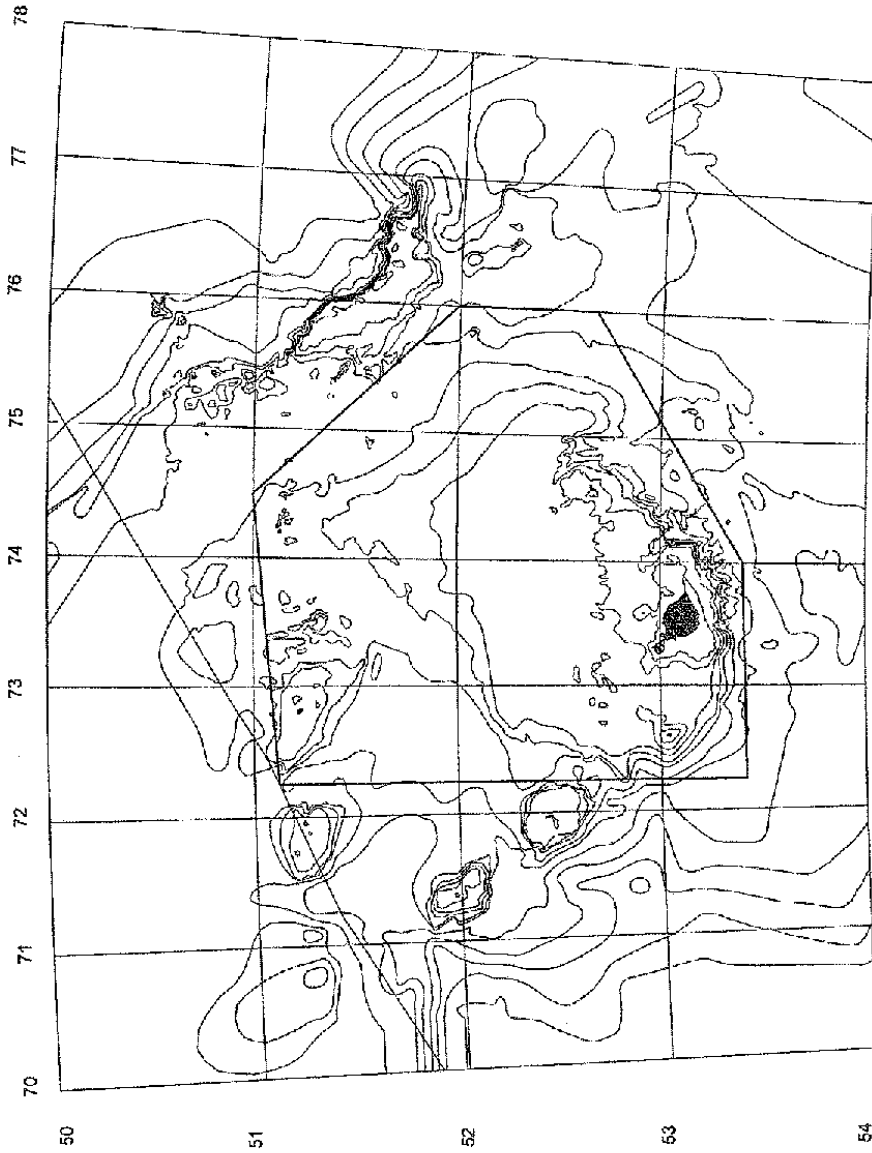
Species	icefish
Area	58.5.2
Season	2011/12
Gear	trawl

- Access
1. The fishery for *Champscephalus gunnari* in Statistical Division 58.5.2 shall be conducted by vessels using trawls only.
 2. For the purpose of this fishery for *Champscephalus gunnari*, the area open to the fishery is defined as that portion of Statistical Division 58.5.2 that lies within the area enclosed by a line:
 - (i) starting at the point where the meridian of longitude 72°15'E intersects the Australia–France Maritime Delimitation Agreement Boundary then south along the meridian to its intersection with the parallel of latitude 53°25'S;
 - (ii) then east along that parallel to its intersection with the meridian of longitude 74°E;

- (iii) then northeasterly along the geodesic to the intersection of the parallel of latitude 52°40'S and the meridian of longitude 76°E;
 - (iv) then north along the meridian to its intersection with the parallel of latitude 52°S;
 - (v) then northwesterly along the geodesic to the intersection of the parallel of latitude 51°S with the meridian of longitude 74°30'E;
 - (vi) then southwesterly along the geodesic to the point of commencement.
3. A chart illustrating the above definition is appended to this conservation measure (Annex 42-02/A). Areas in Statistical Division 58.5.2 outside that defined above shall be closed to directed fishing for *Champscephalus gunnari*.
- Catch limit 4. The total catch of *Champscephalus gunnari* in Statistical Division 58.5.2 in the 2011/12 season shall be limited to 0 tonnes, with a 30-tonne research and by-catch limit.
5. Where any haul contains more than 100 kg of *Champscephalus gunnari*, and more than 10% of the *Champscephalus gunnari* by number are smaller than the specified minimum legal total length, the fishing vessel shall move to another fishing location at least 5 n miles distant¹. The fishing vessel shall not return to any point within 5 n miles of the location where the catch of small *Champscephalus gunnari* exceeded 10% for a period of at least five days². The location where the catch of small *Champscephalus gunnari* exceeded 10% is defined as the path followed by the fishing vessel from the point at which the fishing gear was first deployed from the fishing vessel to the point at which the fishing gear was retrieved by the fishing vessel. The minimum legal total length shall be 240 mm.
- Season 6. For the purpose of the trawl fishery for *Champscephalus gunnari* in Statistical Division 58.5.2, the 2011/12 season is defined as the period from 1 December 2011 to 30 November 2012, or until the catch limit is reached, whichever is sooner.
- By-catch 7. Fishing shall cease if the by-catch of any species reaches its by-catch limit as set out in Conservation Measure 33-02.
- Mitigation 8. The operation of this fishery shall be carried out in accordance with Conservation Measure 25-03 so as to minimise the incidental mortality of seabirds in the course of fishing.
- Observers 9. Each vessel participating in this fishery shall have at least one scientific observer, and may include one appointed in accordance with the CCAMLR Scheme of International Scientific Observation, on board throughout all fishing activities within the fishing period.

- Data: catch/effort
10. For the purpose of implementing this conservation measure in the 2011/12 season, the following shall apply:
- (i) the Ten-day Catch and Effort Reporting System set out in Annex 42-02/B;
 - (ii) the Monthly Fine-scale Catch and Effort Reporting System set out in Annex 42-02/B. Fine-scale data shall be submitted on a haul-by-haul basis.
11. For the purpose of Annex 42-02/B, the target species is *Champocephalus gunnari* and by-catch species are defined as any species other than *Champocephalus gunnari*.
- Data: biological
12. Fine-scale biological data, as required under Annex 42-02/B, shall be collected and recorded. Such data shall be reported in accordance with the CCAMLR Scheme of International Scientific Observation.
- Environ- mental protection
13. Conservation Measure 26-01 applies.
- ¹ This provision concerning the minimum distance separating fishing locations is adopted pending the adoption of a more appropriate definition of a fishing location by the Commission.
 - ² The specified period is adopted in accordance with the reporting period specified in Conservation Measure 23-01, pending the adoption of a more appropriate period by the Commission.

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DATA REPORTING SYSTEM

A ten-day catch and effort reporting system shall be implemented:

- (i) for the purpose of implementing this system, the calendar month shall be divided into three reporting periods, viz: day 1 to day 10, day 11 to day 20 and day 21 to the last day of the month. The reporting periods are hereafter referred to as periods A, B and C;
- (ii) at the end of each reporting period, each Contracting Party participating in the fishery shall obtain from each of its vessels information on total catch and total days and hours fished for that period and shall, by cable, telex, facsimile or electronic transmission, transmit the aggregated catch and days and hours fished for its vessels so as to reach the Executive Secretary no later than the end of the next reporting period;
- (iii) a report must be submitted by every Contracting Party taking part in the fishery for each reporting period for the duration of the fishery, even if no catches are taken;
- (iv) the catch of *Champocephalus gunnari* and of all by-catch species must be reported;
- (v) such reports shall specify the month and reporting period (A, B and C) to which each report refers;
- (vi) immediately after the deadline has passed for receipt of the reports for each period, the Executive Secretary shall notify all Contracting Parties engaged in fishing activities in the division of the total catch taken during the reporting period and the total aggregate catch for the season to date;
- (vii) at the end of every three reporting periods, the Executive Secretary shall inform all Contracting Parties of the total catch taken during the three most recent reporting periods and the total aggregate catch for the season to date.

A fine-scale catch, effort and biological data reporting system shall be implemented:

- (i) the scientific observer(s) aboard each vessel shall collect the data required to complete the CCAMLR fine-scale catch and effort data form CI, latest version. These data shall be submitted to the CCAMLR Secretariat not later than one month after the vessel returns to port;
- (ii) the catch of *Champocephalus gunnari* and of all by-catch species must be reported;
- (iii) the numbers of seabirds and marine mammals of each species caught and released or killed must be reported;

- (iv) the scientific observer(s) aboard each vessel shall collect data on the length composition from representative samples of *Chamsocephalus gunnari* and by-catch species:
 - (a) length measurements shall be to the nearest centimetre below;
 - (b) representative samples of length composition shall be taken from each fine-scale grid rectangle (0.5° latitude by 1° longitude) fished in each calendar month;
- (v) the above data shall be submitted to the CCAMLR Secretariat not later than one month after the vessel returns to port.

CONSERVATION MEASURE 51-04 (2011)
General measure for exploratory fisheries for *Euphausia superba*
in the Convention Area in the 2011/12 season

Species	krill
Area	various
Season	2011/12
Gear	various

The Commission hereby adopts the following conservation measure:

1. This conservation measure applies to exploratory fisheries for Antarctic krill (*Euphausia superba*) except for such fisheries where the Commission has given specific exemptions, and only to the extent of those exemptions.
2. Fishing in any statistical subarea or division shall cease when the reported catch reaches the specified catch limit¹ and that subarea or division shall be closed to fishing for the remainder of the season. No more than 75% of the catch limit shall be taken within 60 n miles of known breeding colonies of land-based krill-dependent predators.
3. In order to give effect to paragraph 2 above:
 - (i) the precise geographic position of a trawl haul will be determined by the midpoint of the path between the start point and end point of the haul for the purposes of catch and effort reporting;
 - (ii) for the purposes of this conservation measure, fishing is defined as any time that fishing gear, conventional trawls, pumped codends and continuous pumping gear are in the water;
 - (iii) the Secretariat shall notify Contracting Parties participating in these fisheries when the total catch of *Euphausia superba* combined in any statistical subarea or division is likely to reach the specified catch limit, and of the closure of that subarea or division when that limit is reached². No part of a trawl path may lie within a closed subarea or division.
4. The total green weight of krill caught and lost shall be reported.

5. Each vessel participating in the exploratory fisheries for krill during the 2011/12 season shall have one observer appointed in accordance with the CCAMLR Scheme of International Scientific Observation and, where possible, one additional scientific observer, on board throughout all fishing activities within the fishing season.
6. The Data Collection Plan (Annex 51-04/A) and Research Plan (Annex 51-04/B) shall be implemented. Data collected pursuant to the Data Collection and Research Plans for the period up to 1 May 2012 shall be reported to CCAMLR by 1 June 2012 so that the data will be available to the meeting of the Working Group on Ecosystem Monitoring and Management (WG-EMM) in 2012. Such data taken after 1 June 2012 shall be reported to CCAMLR not later than three months after the closure of the fishery, but, where possible, submitted in time for the consideration of the Scientific Committee.
7. Contracting Parties who choose not to participate in the fishery prior to the commencement of the fishery shall inform CCAMLR of changes in their plans no later than one month before the start of the fishery. If, for whatever reason, Contracting Parties are unable to participate in the fishery, they shall inform CCAMLR no later than one week after finding that they cannot participate. The Secretariat will inform all Contracting Parties immediately after such notification is received.

¹ Unless otherwise specified, the catch limit for krill shall be 15 000 tonnes in any statistical subarea or division.

² The closure of fisheries is governed by Conservation Measure 31-02.

ANNEX 51-04/A

DATA COLLECTION PLANS FOR EXPLORATORY KRILL FISHERIES

1. During normal fishing operations, all vessels will comply with the Ten-day Catch and Effort Reporting System (Conservation Measure 23-02) and the Monthly Fine-scale Catch, Effort and Biological Data Reporting Systems (Conservation Measures 23-04 and 23-05), including requirements for the provision of haul-by-haul data.
2. During normal fishing operations, all data required by the CCAMLR *Scientific Observers Manual* for krill fisheries will be collected.
3. Detailed information on the configuration of every commercial trawl used during normal fishing operations and every research net used during required research operations will be reported to CCAMLR no later than one month after the conclusion of each fishing trip.
4. Data collected from research net hauls shall include:
 - (i) the start and end positions and times of the haul;
 - (ii) the date on which the haul was conducted;
 - (iii) characteristics of the haul such as tow speed, the maximum amount of wire payed out during a tow, the average wire angle during the tow, and calibrated flow-meter values that can be used to provide accurate measures of volume filtered;

- (iv) an estimate of the total catch (in numbers or weight) of krill; and
 - (v) a random sample of up to 200 krill or the entire catch, whichever is less, to be taken from the haul by the observer – the length, sex and maturity stage should be measured and recorded for all krill according to protocols in the CCAMLR *Scientific Observers Manual*.
5. At a minimum, data collected from acoustic transects shall:
 - (i) as far as possible, be recorded following protocols specified for the CCAMLR-2000 Survey;
 - (ii) be linked to position data recorded from a GPS;
 - (iii) be continuously recorded and then electronically archived every five days or whenever the vessel moves between exploratory units, whichever occurs most frequently.
 6. Data collected during research operations conducted by fishing vessels shall be reported to CCAMLR no later than one month after the conclusion of each fishing trip.
 7. Data collected by Contracting Parties conducting fishery-independent research operations shall, as applicable, be submitted to CCAMLR following guidelines for the submission of CEMP data and data collected during the CCAMLR-2000 Survey. These data shall be submitted in sufficient time to be considered by the next meeting of WG-EMM.

ANNEX 51-04/B

RESEARCH PLANS FOR EXPLORATORY KRILL FISHERIES

1. Activities under this Research Plan shall not be exempted from any conservation measure in force.
2. This plan applies to all subareas or divisions.
3. A schematic representation of the plans described herein is provided in Figure 1.
4. Contracting Parties intending to conduct exploratory krill fisheries shall choose one of the following four Research and Data Collection Plans and advise CCAMLR of their choice at least one month prior to initiating any fishing activities.
 - (i) predator monitoring;
 - (ii) a research survey conducted from a scientific vessel;
 - (iii) acoustic transects by fishing vessels; or
 - (iv) research trawls by fishing vessels.
5. Where a Contracting Party's vessel collaborates with a research institute to conduct the research plan, the Contracting Party shall identify the collaborating institute.

6. In cases where Contracting Parties select plan (i), predator monitoring, from the list in paragraph 4 above, those Parties shall, as far as possible, follow CEMP Standard Methods. Monitoring shall be conducted for a period of time sufficient both to cover the entire breeding period of land-based predators and to cover the duration of any exploratory fishing that occurs during their breeding season.
7. In cases where Contracting Parties select plan (ii), research survey conducted from a scientific vessel, from the list in paragraph 4 above, Contracting Parties shall, as far as possible, follow all data collection and analysis protocols specified for the CCAMLR-2000 Survey.
8. In cases where Contracting Parties select plans (iii) acoustic transects by fishing vessels, or (iv) research trawls by fishing vessels, from the list in paragraph 4 above, vessels participating in exploratory krill fisheries may carry out the research plan either before (preferred option) or after normal exploratory fishing operations. The research requirements must be completed within a fishing season.
9. For the purposes of this conservation measure, exploratory units are defined as areas of 1° latitude by 1° longitude size, and the vertices of these units shall occur at integer points of latitude and longitude within statistical subarea or divisions.
10. If the vessel undertakes Plan (iii), acoustic transects by fishing vessels, or Plan (iv), research trawls by fishing vessels, before normal exploratory fishing operations, then the research plan shall be conducted as follows:
 - (i) undertake a research plan for the exploratory units based on the area where it intends to fish;
 - (ii) during normal exploratory fishing operations, vessels can choose to fish in any exploratory unit;
 - (iii) complete additional research operations so that the number of exploratory units in which research operations are conducted by the end of fishing is greater than, or equal to, the catch obtained during normal fishing operations divided by 2 000 tonnes;
 - (iv) carry out its work so that exploratory units in which research operations are conducted surround and include the units where normal fishing operations are conducted.
11. If the vessel undertakes Plan (iii), acoustic transects by fishing vessels, or Plan (iv), research trawls by fishing vessels, after normal exploratory fishing operations, then the research plan shall be conducted as follows:
 - (i) during normal exploratory fishing operations, vessels can choose to fish in any exploratory unit, however, one set of acoustic transects or one set of research hauls must be conducted in each exploratory unit visited during normal fishing operations;
 - (ii) upon completion (either voluntarily or if the catch limit has been reached) of normal exploratory fishing operations, the vessel will transit to the nearest previously unvisited exploratory unit and begin research operations;

- (iii) the vessel will determine how many previously unvisited exploratory units must be surveyed during research operations by dividing the catch obtained during normal exploratory fishing operations by 2 000 tonnes and rounding that number to the nearest integer;
 - (iv) the vessel will then select a number of exploratory units equal to the number of units determined by the calculation in item 11(ii) above and conduct one set of acoustic transects or one set of research hauls in each of these units;
 - (v) exploratory units visited during research operations must not have been visited during normal exploratory fishing operations;
 - (vi) the survey will be conducted in a way that ensures the exploratory units visited during research operations will surround the units in which normal exploratory fishing operations previously occurred.
12. Research hauls shall be conducted with nekton trawls commonly used in scientific research (e.g. IKMT or RMT type nets) that have 4-5 mm mesh, including the codend. Every research haul shall be a randomly located, oblique haul made to a depth of 200 m or 25 m above the bottom (whichever is less) with a duration of 0.5 h. A set of research hauls is defined as three research hauls separated by a minimum of 10 n miles.
13. Acoustic transects shall be conducted using a scientific-quality echo sounder collecting information at a minimum frequency of 38 kHz with a minimum observing depth of 200 m. The echosounder should be calibrated prior to the vessel leaving port and, to the extent possible, on the actual fishing ground, and calibration data shall be reported with research transect data. If a vessel is unable to calibrate its echo sounder on the fishing grounds:
- (i) acoustic transects comparable with transects visited in previous fishing seasons should be conducted on subsequent visits;
 - (ii) vessels undertaking continuous trawling should attempt to match some acoustic observations with respective trawl catches since they may be able to trawl more or less immediately after acoustic data have been recorded.

Every acoustic transect shall be a randomly located continuous path travelled at constant speed of 10 knots or less and in a constant direction. The minimum distance between the start and end points of a transect shall be 30 n miles, and a set of acoustic transects is defined as two transects separated by at least 10 n miles.

14. All acoustic transects, both during normal exploratory fishing operations and research operations, shall be accompanied by at least one net haul. These hauls can be conducted either with commercial trawls or with research trawls. Trawls that accompany acoustic transects can be conducted during the transect or immediately after the completion of the transect. In the latter case, the trawl shall be conducted along a previous segment of the transect line. Trawls that accompany acoustic transects shall be at least 0.5 h in duration, or of sufficient time to achieve a representative sample, and the data collected from these hauls shall be the same as those required for research hauls.

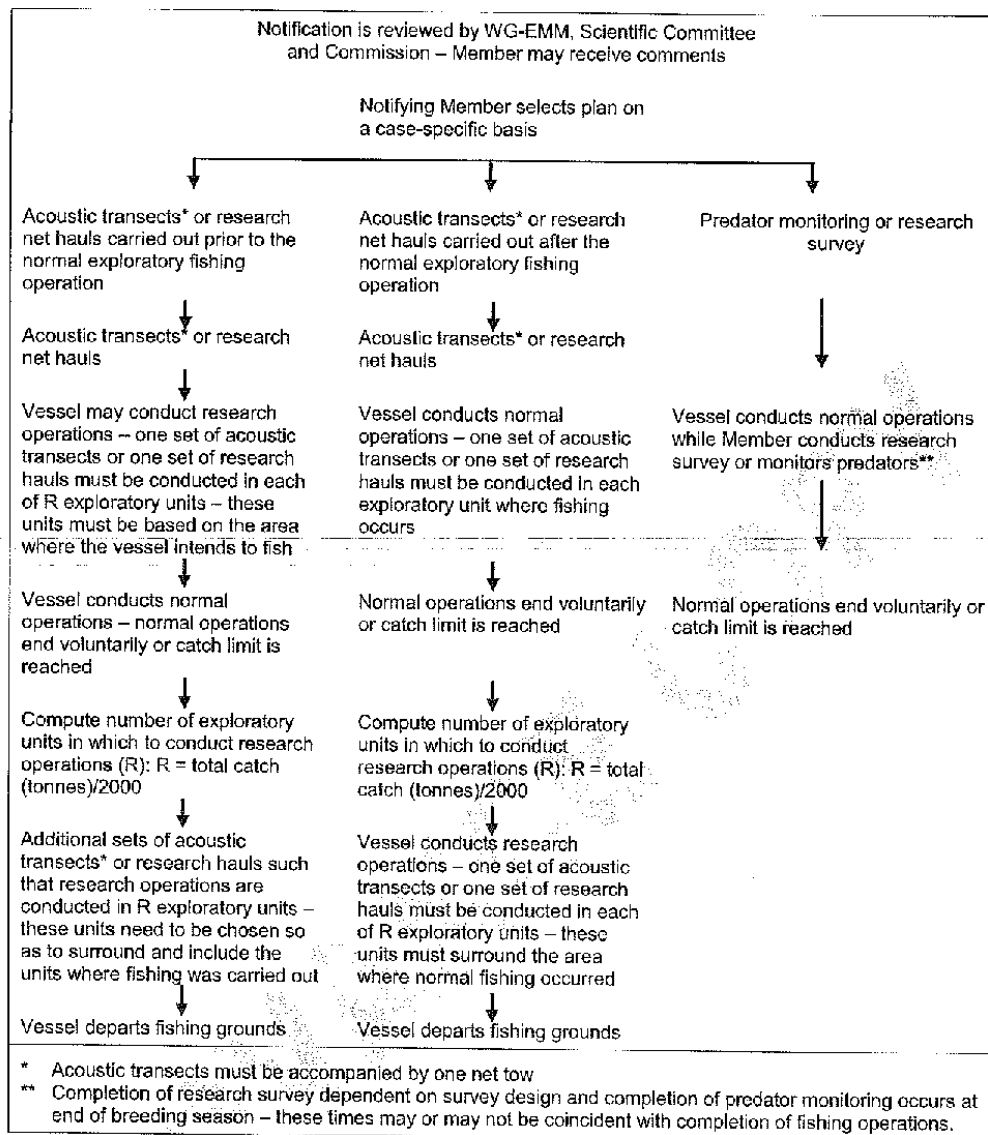


Figure 1: Schematic description of main operations to be conducted during the planning and prosecution of exploratory krill fisheries.

CONSERVATION MEASURE 51-06 (2011)
General measure for scientific observation in fisheries
for *Euphausia superba*

Species	krill
Area	all
Season	2011/12
Gear	all

The Commission,

Recognising the importance of krill within the Antarctic ecosystem,

Noting the increased demand for krill products and the expansion in krill fisheries,

Mindful of major data gaps in biological data reporting in most areas of this fishery,

Reaffirming the need for adequate monitoring and management of the krill fishery to ensure that it remains consistent with the objective of the Convention,

Bearing in mind the recommendation of the Scientific Committee that scientific observer coverage is required in the krill fishery, and that in order to determine an appropriate deployment scheme, which will deliver adequate data for its assessments of the impact of the krill fishery on the ecosystem, the Scientific Committee has recommended an initial comprehensive and systematic approach to observer coverage, such as a 100% observer coverage on krill vessels for a period of two fishing seasons,

hereby adopts the following conservation measure in accordance with Article IX.2(i) of the Convention:

1. Each Contracting Party shall make best efforts to ensure that its fishing vessels engaging in the krill fishery carry on board at least one scientific observer appointed in accordance with the CCAMLR Scheme of International Scientific Observation or any other observer appointed by the Contracting Party¹ and, where possible, one additional scientific observer, throughout all fishing activities in the 2011/12 fishing season.
2. Unless specified in any other conservation measure, each Contracting Party shall ensure that its fishing vessels engaging in the krill fishery carry out a systematic scientific observer coverage scheme in accordance with the CCAMLR Scheme of International Scientific Observation, or by any other observer appointed by the Contracting Party¹, throughout all fishing activities in the 2011/12 fishing season.
3. The systematic observer coverage scheme referred to in paragraph 2 above shall entail:
 - (i) a target coverage rate of no less than 50% of vessels during the 2011/12 fishing season;
 - (ii) vessels shall ensure that the observer has access to sufficient samples to enable a target coverage rate of at least 20% of hauls or haul units² during the period that the observer is on board the vessel per fishing season;
 - (iii) all vessels being observed at least once every two fishing seasons;
 - (iv) coverage of areas and seasons within each subarea or division in accordance with the advice on distribution of observer coverage given by the Scientific Committee³.

4. For the purpose of implementing this conservation measure, the data requirements set out in Conservation Measure 23-06 apply.
5. Total green weight of krill caught and brought on board shall be reported. The method used to estimate green weight shall be reported in accordance with the requirements of Conservation Measure 21-03. An estimate of the total green weight of krill caught but not brought on board is encouraged to be reported as a separate category.
6. The Commission shall review this conservation measure at its 2012 meeting, based on the analysis of the Working Group on Statistics, Assessments and Modelling (WG-SAM) and the Working Group on Ecosystem Monitoring and Management (WG-EMM) and findings of the Scientific Committee and shall adopt a well-designed program for systematic observer coverage in the krill fishery.
 - ¹ The scientific data collection and sampling protocols followed by a Contracting Party appointed observer shall conform to the requirements of the CCAMLR Scheme of International Scientific Observation and the protocols found in the CCAMLR *Scientific Observers Manual*, including application of the priorities and work plan defined by the Scientific Committee. Data and observer reports shall be submitted to CCAMLR according to the requirements of the CCAMLR Scheme of International Scientific Observation for inclusion in the CCAMLR database and analysis by the Scientific Committee and its working groups.
 - ² A 'haul unit' is defined as a two-hour contiguous period of fishing using the continuous trawling method.
 - ³ Refer SC-CAMLR-XXIX, paragraphs 3.17 and 3.18 and Table 4.

CONSERVATION MEASURE 51-07 (2011)
Interim distribution of the trigger level in the fishery for
***Euphausia superba* in Statistical Subareas 48.1, 48.2, 48.3 and 48.4**

Species	krill
Area	48.1, 48.2, 48.3, 48.4
Season	2011/12 2012/13 2013/14
Gear	all

The Commission,

Noting the need to distribute the krill catch in Statistical Area 48 in such a way that predator populations, particularly land-based predators, would not be inadvertently and disproportionately affected by fishing activity,

Recognising that large catches up to the trigger level from areas smaller than subareas should be avoided,

Recognising that the distribution of the trigger level needs to provide for flexibility in the location of fishing in order to (i) allow for interannual variation in the distribution of krill aggregations, and (ii) alleviate the potential for adverse impacts of the fishery in coastal areas on land-based predators,

hereby adopts the following conservation measure:

1. Pending the review in paragraph 2, an interim distribution of the trigger level in paragraph 3 of Conservation Measure 51-01 will be in accordance with the following

proportions, where no more than the percentage indicated can be taken from the nominated area:

Subarea 48.1	25%
Subarea 48.2	45%
Subarea 48.3	45%
Subarea 48.4	15%

2. The interim distribution of the trigger level in paragraph 1 will be reviewed and revised in 2014 with the intent of ensuring the implementation of Article II of the Convention, taking into account the resource requirements of land-based predators.
3. This measure will expire at the end of the 2013/14 fishing season.

CONSERVATION MEASURE 91-04 (2011)
General framework for the establishment of
CCAMLR Marine Protected Areas

Species	all
Area	various
Season	all
Gear	all

The Commission,

Recalling its endorsement of the work program of the Scientific Committee to develop a representative system of Antarctic Marine Protected Areas (MPAs) with the aim of conserving marine biodiversity in the Convention Area, and in accordance with the decision at the World Summit on Sustainable Development (WSSD) in 2002 to achieve a representative network of MPAs by 2012,

Desiring to implement Article IX,2(f) and 2(g) of the CAMLR Convention where conservation measures, formulated on the basis of the best scientific evidence available, may designate the opening and closing of areas, regions or sub-regions for the purposes of scientific study or conservation, including special areas for protection and scientific study,

Noting the establishment by CCAMLR of the South Orkney Islands southern shelf MPA as a first step towards a network of MPAs in the Convention Area,

Noting the importance of MPAs in facilitating research and monitoring of Antarctic marine living resources,

Appreciating that establishment of MPAs in the Convention Area (CCAMLR MPAs) may involve exchange of information between CCAMLR and the Antarctic Treaty Consultative Meeting,

Recognising that CCAMLR MPAs aim to contribute to sustaining ecosystem structure and function, including in areas outside the MPAs, maintain the ability to adapt in the face of climate change, and reduce the potential for invasion by alien species, as a result of human activity,

Noting the importance of establishing CCAMLR MPAs in the Convention Area in accordance with Article II of the CAMLR Convention, where conservation includes rational use,

Recognising that activities and management arrangements within CCAMLR MPAs should be consistent with the objectives of those MPAs,

Noting that individual MPAs alone will not be able to achieve all of the desired objectives for MPAs in the CAMLR Convention Area, but that together they should be able to do so,

Recalling the Scientific Committee's advice that the whole Convention Area is equivalent to an IUCN Category IV MPA, but there are areas within the Convention Area that require further special consideration in a representative system of MPAs,

hereby adopts the following conservation measure in accordance with Article IX of the Convention to provide a framework for the establishment of CCAMLR MPAs:

1. This conservation measure and any other CCAMLR conservation measures relevant to CCAMLR MPAs shall be adopted and implemented consistent with international law, including as reflected in the United Nations Convention on the Law of the Sea.
2. CCAMLR MPAs shall be established on the basis of the best available scientific evidence, and shall contribute, taking full consideration of Article II of the CAMLR Convention where conservation includes rational use, to the achievement of the following objectives:
 - (i) the protection of representative examples of marine ecosystems, biodiversity and habitats at an appropriate scale to maintain their viability and integrity in the long term;
 - (ii) the protection of key ecosystem processes, habitats and species, including populations and life-history stages;
 - (iii) the establishment of scientific reference areas for monitoring natural variability and long-term change or for monitoring the effects of harvesting and other human activities on Antarctic marine living resources and on the ecosystems of which they form part;
 - (iv) the protection of areas vulnerable to impact by human activities, including unique, rare or highly biodiverse habitats and features;
 - (v) the protection of features critical to the function of local ecosystems;
 - (vi) the protection of areas to maintain resilience or the ability to adapt to the effects of climate change.
3. The Commission shall establish CCAMLR MPAs following advice from the Scientific Committee by adopting conservation measures in accordance with this measure. These conservation measures shall include:

- (i) the specific objectives of the MPA, consistent with paragraph 2;
 - (ii) spatial boundaries of the MPA, including as needed, the geographical coordinates, boundary markers (where feasible), and natural features that delineate the area;
 - (iii) activities that are restricted, prohibited, or managed in the MPA or parts thereof, and any temporal (seasonal) or spatial limits on those activities;
 - (iv) unless otherwise agreed by the Commission, priority elements for a management plan, including administrative arrangements, and for a research and monitoring plan, and any interim management, research and monitoring arrangements required until those plans are adopted. These requirements shall include the date when plans would need to be introduced to the Commission;
 - (v) the period of designation, if any, which shall be consistent with the specific objectives of the MPA.
4. The management plan for an MPA, once developed and adopted by the Commission, will be annexed to the conservation measure and will include management and administrative arrangements for achieving the specific objectives of the MPA.
5. The Commission will, on the basis of the advice of the Scientific Committee, adopt a research and monitoring plan for an MPA.
- (i) This plan shall specify, to the extent necessary, the scientific research to be undertaken in the MPA, including, inter alia:
 - (a) scientific research pursuant to the specific objectives of the MPA;
 - (b) other research consistent with the specific objectives of the MPA; and/or
 - (c) monitoring of the degree to which the specific objectives of the MPA are being met.
 - (ii) Research activities not in the research and monitoring plan shall be managed according to Conservation Measure 24-01 unless otherwise decided by the Commission.
 - (iii) All Members may undertake research and monitoring activities in accordance with this plan.
 - (iv) The data as specified in the research and monitoring plan will be submitted to the Secretariat and made available in accordance with the Rules for Access and Use of CCAMLR Data for analyses by Members pursuant to this plan.
 - (v) Unless otherwise agreed by the Commission, every five years, Members conducting activities according or related to the research and monitoring plan will compile a report on those activities, including any preliminary results for review by the Scientific Committee.

6. Vessels subject to CCAMLR conservation measures designating CCAMLR MPAs shall be vessels under the jurisdiction of Parties to the Convention, which are either fishing vessels¹ or vessels conducting scientific research activities on Antarctic marine living resources in accordance with CCAMLR conservation measures.
7. Notwithstanding paragraph 6, the CCAMLR conservation measures designating MPAs shall not apply to any warship, naval auxiliary or other ship owned or operated by a State and used, for the time being, only on government non-commercial service. However, each Party shall ensure by the adoption of appropriate measures not impairing the operations or operational capabilities of such ships owned or operated by it, that such ships act in a manner consistent, so far as is reasonable and practicable, with this conservation measure.
8. Unless otherwise provided in the relevant conservation measure to take appropriate account of specific objectives for the CCAMLR MPAs, conservation measures designating CCAMLR MPAs shall be reviewed every 10 years or as agreed by the Commission when advised by the Scientific Committee, including in order to evaluate if the specific objectives of the MPAs are still relevant or being achieved and the delivery of the research and monitoring plan.
9. In order to encourage cooperation in implementing CCAMLR MPAs, the Commission shall make available information on CCAMLR conservation measures establishing MPAs in the Convention Area, including to any relevant international or regional organisation and any State that is not a Party to the Convention, whose nationals or vessels may enter the Convention Area.
10. When a new CCAMLR MPA is designated, the Commission shall endeavour to identify which actions by other elements of the Antarctic Treaty System, and other organisations, such as the International Maritime Organization, should be pursued to support the specific objectives of the MPA once established.

¹ For the purposes of this conservation measure, 'fishing vessel' means any vessel of any size used for, equipped to be used for, or intended for use for fishing or fishing-related activities, including support ships, fish processing vessels, vessels engaged in transshipment and carrier vessels equipped for the transportation of fishery products except container vessels and excluding Members' marine science research vessels.

RESOLUTION 33/XXX
Provision of flag vessel information to Maritime Rescue
Coordination Centres

Species	all
Area	all
Season	all
Gear	all

The Commission,

Recognising the difficult and dangerous conditions in which high-latitude fisheries operate in the Convention Area, and the challenges of search and rescue response,

Noting the duty to render assistance and to act as quickly as possible in order to rescue persons in distress, as enshrined in the United Nations Convention on the Law of the Sea, the International Convention for the Safety of Life at Sea and other international conventions,

Noting that many Contracting Parties have ratified the International Convention on Maritime Search and Rescue (SAR 1979),

Bearing in mind that designated Search and Rescue (SAR) Areas cover the Convention Area, with search and rescue responsibilities being carried out by relevant Maritime Rescue Coordination Centres (MRCCs) in accordance with the arrangements that each State has established with the International Maritime Organization (IMO) in particular in the Global SAR Plan,

urges CCAMLR Members to provide, or encourage fishing vessels¹ under their flag to provide, contact details and other relevant information related to fishing vessels under their flag to the appropriate MRCC, in advance of vessels entering the Convention Area.

¹ For the purposes of this resolution, 'fishing vessel' means any vessel of any size used for, equipped to be used for, or intended for use for the purposes of fishing or fishing related activities, including support ships, fish processing vessels, vessels engaged in transshipment and carrier vessels equipped for the transportation of fishery products except container vessels and excluding Members' marine science research vessels.

RESOLUTION 34/XXX
Enhancing the safety of fishing vessels in the Convention Area

Species	all
Area	all
Season	all
Gear	all

The Commission,

Concerned about the safety of life and potential environmental consequences of a maritime incident involving a fishing vessel operating in the CAMLR Convention Area,

Recognising the progress in the development at the International Maritime Organization (IMO) of a mandatory code for vessels operating in Polar waters,

Noting the decision by the IMO Council to convene a conference in 2012 for the purpose of negotiating a proposed Agreement on the Torremolinos Protocol,

Recalling Resolution 20/XXII on ice-strengthening standards in high-latitude fisheries and Resolution 23/XXIII on safety on board vessels fishing in the Convention Area,

encourages Members:

1. To continue the work, through their delegations to the IMO, on the mandatory code for ships operating in Polar waters and in respect of the forthcoming negotiations on the Agreement on the Torremolinos Protocol.
2. To consider and implement appropriate measures to enhance the safety standards of those fishing vessels which they license to operate in the Convention Area.

NON-CONTRACTING PARTY IUU VESSEL LIST (CM 10-07) ADOPTED 2003 - 2011

Names and flags under which the vessels were originally listed are underlined.

Current name	Current flag	Lloyd's/IMO no.	Current call sign	Name of activity ¹	Date(s) of incident	Year listed	Ownership history ² (last reported is underlined)	Previous name(s) ³	Previous flag(s) ³
<u>Aldabra</u>	Tanzania	7424891	SVAA2	Fishing inside Division 58.4.4b	10 Nov 06	2007	Cecilbell Securities (Panama) <u>Earvay Shipping</u>	1. <u>Onoa I</u>	1. Honduras 2. Togo
<u>Amurza</u>	Unknown	7036345	SVAN9	Inside Division 58.4.2 Inside Division 58.5.1	23 Jan 04 11 Oct 03	2003	Inficon (1998) Sente Business SA (Panama) <u>Sold to undisclosed interests (Jul 03)</u>	1. <u>Noemi</u> 2. <u>Lome</u> 3. <u>Iceberg II</u>	1. Belize 2-3. Togo
<u>Chalange</u>	Panama	6622642	HO5381	Inside Division 58.4.3b Inside Division 58.4.3b Inside Division 58.4.3b Inside Division 58.4.3b	14 Feb 06 22 May 06 10 Dec 06 08 Feb 08	2006	Prion Ltd Mercury Ltd Mar de Neptuno SA Advantage Company SA	1. <u>Mira</u> 2. <u>Perseverance</u>	1. UK 2. Equatorial Guinea
<u>Cherize</u>	Unknown	5062479	JVHU4	Inside Division 58.5.1 Inside Division 58.5.1 Inside Division 58.4.2 Inside Division 58.4.3b Fishing inside Division 58.4.1 Inside Division 58.4.3b Inside Division 58.4.1 Fishing inside Division 58.5.1	03 Dec 02 04 Jun 03 21 Jan 04 11 Dec 05 26 Jan 06 07 Dec 06 30 Dec 06 16 Dec 08 08 Jun 10	2003	Jose Lorenzo SL (80) Americagaitica S.A. (Panama)	1. <u>Lagabasca</u> 2. <u>Hobang</u> 3. <u>Sargo</u> 4. <u>Bigaro</u>	1. Uruguay 2-4. Togo 5. Mongolia
<u>Goof Hope</u>	Nigeria	7020126	SNMU1	Resupplying in Area 51	09 Feb 07	2007	Sharis Investments AVY (05) Manager Port Plus Limited (Nigeria) (Sep 08)	1. <u>Sea Ranger V</u> 2. <u>Toto</u>	1-2. Belize
<u>Heavy Sea</u>	Panama	7322926	3BNF8	Inside Division 58.5.1 Inside Division 58.5.1	20 Dec 02 03 Feb 04	2004	C & S Fisheries (Sep 96) Manner SA (00) Barroso Fish SA (Panama)	1. <u>Sherpa Uno</u> 2. <u>Kari</u> 3. <u>Duero</u>	1. Uruguay 2. Unknown 3. Panama
<u>Alb</u>	Unknown	6607666	Unknown	Fishing inside Division 58.4.3b Fishing inside Division 58.4.2 Fishing inside Division 58.4.3b Fishing inside Division 58.4.3b Fishing inside Division 58.4.3b Fishing inside Division 58.4.3b	22 May 06 18 Feb 07 24 Mar 07 12 Jan 08 09 Jan 09 20 Jan 09	2006	Amisoun Fish Processors (Pty) Ltd Pesca Antartida <u>Nalanza S.A. (Canary Islands)</u>	1. <u>Isla Croatica</u> 2. <u>Tropic</u> 3. <u>Constant</u>	1. South Africa 2. Equatorial Guinea 3. Mongolia
<u>Koosha 4</u>	Iran	7905443	9BQK	Inside Division 58.5.1 Inside Division 58.5.1	20 Jan 11 15 Feb 11	2011	PansPaya Seyd Industrial Fish (Iran)	<u>Eguzkia</u>	1. Spain

Current name	Current flag	IMO no.	Current call sign	Nature of activity ¹	Date(s) of incident	Year listed	Ownership history ² (last reported is underlined)	Previous name(s) ³	Previous flag(s) ⁴
<u>Kaka</u>	Unknown	6905408	JVHL4	Fishing inside Division 58.4.2 Fishing inside Division 58.4.3b Inside Division 58.4.2 Inside Division 58.4.2 Fishing inside Division 58.5.1 Fishing inside Division 58.5.1 Fishing inside Division 58.4.3b Inside Division 58.4.2 Inside Division 58.4.1	05 Feb 06 29 Nov 06 08 Dec 06 29 Dec 06 29 Apr 07 29 Apr 07 04 Oct 08 03 May 09 04 Dec 09 25 Jan 10 16 Dec 10	2006	Southern Shipping Ltd <u>Vrasur Holding Inc, (Spain)</u> Felicité Shipping Corp. (Seychelles)	1. Arctic Ranger 2. Rubin 3. <u>Topknot-1</u>	1. UK 2. Seychelles 3. <u>Togo</u> 4. Mongolia
<u>Lama</u>	Unknown	9037537	5VZS4	Fishing inside Division 58.4.1 Inside Division 88.1	19 Mar 07 15 Jan 08	2007	<u>Punta Brava Fishing (06)</u> Vero Shipping Corporation (Panama)	1. <u>Karsko Maru</u> No. 18 2. <u>Tifon-1</u> 3. <u>Zane</u>	1. Japan 2. <u>Sierra Leone</u> 3. Togo 4. Mongolia
<u>Limpopo</u>	Unknown	7388267	Unknown	Fishing inside Division 58.5.2 Inside Division 58.5.1 Fishing inside Division 58.4.3b Fishing inside Division 58.4.3b Inside Division 58.4.3b	21 Sep 03 03 Dec 03 23 Feb 05 14 Dec 05 23 Jan 07	2003	Lena Enterprises (01) <u>Grupa Ova Perez SL (Aug 03)</u> Alos Co. Ghana Ltd	1. <u>Lena</u> 2. <u>Alas</u> 3. <u>Ross</u>	1. Seychelles 2. <u>Ghana</u> 3. Togo
<u>Seduil 22</u>	Nigeria	6803961	5NTV3	Undocumented Landing Fishing inside Division 58.4.3 Inside Division 58.4.3b Inside Division 58.4.3b Inside Division 58.4.3b Inside Division 58.4.3b Fishing inside Division 58.5.1 Inside Division 58.5.1 Sighted in Sierra 88.2	24 Sep 02 22 Apr 04 02 Jul 06 24 Nov 06 23 Jan 07 07 Jan 08 28 Feb 08 01 Apr 08 16 Dec 09	2003	Monteco Shipping (Feb 03), (Operator: Caparis) <u>Transalbe Investments (Dec 09)</u> (Spain)	1. <u>Mere</u> 2. <u>Nore Dame</u> 3. <u>Golden Sun</u> 4. <u>Gold Dragon</u> 5. <u>Carnela</u>	1. Namibia 2. Bolivia 3-4. <u>Equatorial</u> Guinea 5. Togo
<u>Sierra Gina</u> <u>Barra 22</u>	Unknown	7322897	HMVP2	Inside Division 58.5.2 Inside Division 58.5.1 Inside Division 58.4.1 Inside Division 58.4.1	31 Jan 04 10 May 06 21 Jan 10 13 Feb 11	2003	Mercora Development Inc (Feb 04) (Operator: Vidal Armadores) <u>Red Line Ventures SA (Panama)</u>	1. <u>Doria</u> 2. <u>Magna</u> 3. <u>Thule</u> 4. <u>Eola</u> 5. <u>Red Moon</u> 6. <u>Black Moon</u> 7. <u>Ina Maka</u> 8. <u>Galaxy</u> 9. <u>Corvus</u>	1. Uruguay 2. St Vincent & Grenadines 3-4. <u>Equatorial</u> Guinea 5-7. DPRK 8. Sierra Leone 9. Panama 10. DPRK
<u>Zetaw</u>	Unknown	6818930	Unknown	Fishing inside Division 58.4.3b Inside Division 58.4.4a Inside Division 58.4.3b Fishing inside Division 58.4.2	25 Feb 05 02 Aug 05 11 Dec 05 01 Feb 06	2005	Arcoomar Fisheries (99) Lopez MAS (01) <u>Premier Business (03)</u> (Operator: Jose Manuel Salgueiro)	1. <u>Cisre Azul</u> 2. <u>Wiking</u> 3. <u>Inca</u> 4. <u>Condor</u>	1. Belize 2. Seychelles 3-4. <u>Togo</u> 5. Unknown

Current Name	Current Flag	Lloyd's no.	Current call sign	Nature of activity ¹	Date(s) of incident	Year listed	Ownership history ² (last reported is underlined)	Previous name(s) ³	Previous flag(s) ³
<u>Pearl</u>	Honduras	8713392	HOXJ4	Supporting IUU activities of 7/ride	05 Apr 04	2004	(Operator: Jose Manuel Salguero) Cazenove International SA (03) Canela Shipping, c/- Jose Argibay Perez, (Spain) (04) Trucoetto Fishing S.A. (Panama)	1. <u>Phsets</u> 2. <u>South Boy</u> 3. <u>Gale</u> 4. <u>Lysses</u> 5. <u>Tior 33</u> 6. <u>Yin Peng</u> 7. <u>Chu Lim</u> 8. <u>The Bird</u>	1. Uruguay 2. Equatorial Guinea 3-5. DPRK 6-7. Togo 8. Mongolia
<u>Young Ah</u>	Unknown	9042001	HKYU8	Undocumented landing, Malaysia	Aug 04	2004	Fadur SA (Aug 04) Global Intercontinental Services (05) (Operator: Vidal Armadores)	1. <u>Carran</u> 2. <u>Hammer</u> 3. <u>Chibou Sam 33</u> 4. <u>Liberi</u> 5. <u>Dyaco-1</u>	1. Uruguay 2. Togo 3. DPRK 4. Panama 5. DPRK
<u>Yong 33</u>	Unknown	9319856	JYHP4	Supporting the IUU activities of IUU listed vessels	16 May 08	2008	Mabernal S.A. Tongala Fishing Joint Venture Pty Ltd Omnikete Fishing Pty Ltd <u>Eastern Holdings Ltd (Belize)</u>	1. <u>Paloma Y</u> 2. <u>Trosky</u>	1. Uruguay 2. Namibia 3. Mongolia
<u>Yong 44</u>	Unknown	9319856	JYHP4	Fishing inside Division 58.4.3b	22 Apr 09 07 Apr 10				

1. The incident which resulted in the vessels' inclusion on the IUU List is the first entry in the 'Nature of Activity' column.
2. Ownership history is sourced mainly from Lloyd's Register and only records dating back to 1980 have been listed here. The date in parenthesis is the date on which the ownership was reported to have come into effect.
3. The latest reported owner is underlined. However, this information may not necessarily be current or correct. The name and flag under which the vessel was originally included on the IUU List, where different to current details, is underlined in the 'Previous name(s)' and 'Previous flag(s)' columns.