



# IOTC REGIONAL OBSERVER SCHEME VESSEL AND TRIP INFORMATION SHEET

FORM 1-LL (pg. 1)

Revised September 2021

## OBSERVER INFORMATION

### Observer identification

1. Observer IOTC registration number

Observer trip number

2. Observer full name

3. Observer nationality

### Observer trip details collect all dates and times in Coordinated Universal Time (UTC)

4. Location of embarkation (country and port or at-sea)

COUNTRY PORT (name) AT SEA (✓)

|                      |                      |                      |
|----------------------|----------------------|----------------------|
| <input type="text"/> | <input type="text"/> | <input type="text"/> |
|----------------------|----------------------|----------------------|

Position of embarkation (dd° mm' ss") specify quadrant (circle)

LATITUDE

LONGITUDE

|                      |   |   |                      |   |   |
|----------------------|---|---|----------------------|---|---|
| <input type="text"/> | S | N | <input type="text"/> | E | W |
|----------------------|---|---|----------------------|---|---|

5. Date / time of embarkation (UTC)

DD MM YYYY hh mm

|                      |                      |                      |                      |                      |
|----------------------|----------------------|----------------------|----------------------|----------------------|
| <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> |
|----------------------|----------------------|----------------------|----------------------|----------------------|

6. Location of disembarkation (country and port or at-sea)

COUNTRY PORT (name) AT SEA (✓)

|                      |                      |                      |
|----------------------|----------------------|----------------------|
| <input type="text"/> | <input type="text"/> | <input type="text"/> |
|----------------------|----------------------|----------------------|

Position of disembarkation (dd° mm' ss") specify quadrant (circle)

LATITUDE

LONGITUDE

|                      |   |   |                      |   |   |
|----------------------|---|---|----------------------|---|---|
| <input type="text"/> | S | N | <input type="text"/> | E | W |
|----------------------|---|---|----------------------|---|---|

7. Date / time of disembarkation (UTC)

DD MM YYYY hh mm

|                      |                      |                      |                      |                      |
|----------------------|----------------------|----------------------|----------------------|----------------------|
| <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> |
|----------------------|----------------------|----------------------|----------------------|----------------------|

## VESSEL INFORMATION

### Vessel identification

8. Vessel name

9. Vessel flag/chartering state

10. Vessel IOTC number

11. Vessel IMO or Lloyds number

12. International radio call (IRCS)

13. Vessel port/country of registration

14. Vessel registration number

15. Vessel phone(s)

16. Vessel fax(es)

17. Vessel email(s)

18. Licensed target species (FAO codes)

19. Main fishing gear

Drifting longline (DLL)

### Vessel owner and personnel

#### Registered owner

20. Full name

21. Nationality

22. Contact details

#### Charter operator

23. Full name

24. Nationality

25. Contact details

#### Fishing master

26. Full name

27. Nationality

#### Skipper (Captain)

28. Full name

29. Nationality

30. Crew n°

## Vessel trip details

31. Port of departure (country and port or at-sea)

|         |             |            |
|---------|-------------|------------|
| COUNTRY | PORT (name) | AT SEA (✓) |
|         |             |            |

Position of embarkation (dd° mm' ss") specify quadrant (circle)

|          |     |           |     |
|----------|-----|-----------|-----|
| LATITUDE |     | LONGITUDE |     |
|          | S N |           | E W |

32. Date / time vessel sailed (use UTC)

|    |    |      |    |    |
|----|----|------|----|----|
| DD | MM | YYYY | hh | mm |
|    |    |      |    |    |

33. Port of return (country and port or at-sea)

|         |             |            |
|---------|-------------|------------|
| COUNTRY | PORT (name) | AT SEA (✓) |
|         |             |            |

Position of disembarkation (dd° mm' ss") specify quadrant (circle)

|          |     |           |     |
|----------|-----|-----------|-----|
| LATITUDE |     | LONGITUDE |     |
|          | S N |           | E W |

34. Date / time vessel returned to port (use UTC)

|    |    |      |    |    |
|----|----|------|----|----|
| DD | MM | YYYY | hh | mm |
|    |    |      |    |    |

## Vessel attributes

35. Tonnage (circle correct units)

|  |    |     |
|--|----|-----|
|  | GT | GRT |
|--|----|-----|

36. Length overall (circle correct units)

|  |   |      |
|--|---|------|
|  | m | feet |
|--|---|------|

37. Hull material (circle correct code)

|     |     |     |     |     |
|-----|-----|-----|-----|-----|
| ALU | FRP | OTH | STE | WOO |
|-----|-----|-----|-----|-----|

38a. Main engines #1 (circle correct units)

|                  |                         |
|------------------|-------------------------|
| Main engine make | Main engine power value |
|                  | HP BHP KW               |

38b. Main engines #2 (circle correct units)

|                  |                         |
|------------------|-------------------------|
| Main engine make | Main engine power value |
|                  | HP BHP KW               |

39. Fish storage capacity (circle correct units)

|  |    |    |
|--|----|----|
|  | mT | m³ |
|--|----|----|

40. Fish preservation methods (circle preservation methods used on-board)

|     |    |    |    |    |    |    |    |    |    |
|-----|----|----|----|----|----|----|----|----|----|
| CWS | DF | FR | SM | DR | IC | NO | BR | RW | ST |
|-----|----|----|----|----|----|----|----|----|----|

41. Fish storage type (circle storage types used on-board)

|                    |                            |           |
|--------------------|----------------------------|-----------|
| Blast freezer (BF) | Refrigeration chamber (RC) | Well (WL) |
|--------------------|----------------------------|-----------|

42. Vessel autonomy / range (circle correct units)

|  |      |                |
|--|------|----------------|
|  | days | nautical miles |
|--|------|----------------|

## Vessel electronics circle the correct answer

43. GPS

|     |    |
|-----|----|
| YES | NO |
|-----|----|

44. VMS

|     |    |
|-----|----|
| YES | NO |
|-----|----|

45. Radars

|     |    |
|-----|----|
| YES | NO |
|-----|----|

46. Track plotter

|     |    |
|-----|----|
| YES | NO |
|-----|----|

47. Depth sounder

|     |    |
|-----|----|
| YES | NO |
|-----|----|

48. Sonar

|     |    |
|-----|----|
| YES | NO |
|-----|----|

49. Doppler current meter

|     |    |
|-----|----|
| YES | NO |
|-----|----|

50. Expendable bathythermographs

|     |    |
|-----|----|
| YES | NO |
|-----|----|

51. VHF radios

|     |    |
|-----|----|
| YES | NO |
|-----|----|

52. HF radios

|     |    |
|-----|----|
| YES | NO |
|-----|----|

53. Satellite com. system

|     |    |
|-----|----|
| YES | NO |
|-----|----|

54. SST gauge

|     |    |
|-----|----|
| YES | NO |
|-----|----|

55. Weather facsimile

|     |    |
|-----|----|
| YES | NO |
|-----|----|

56. Fisheries information services

|     |    |
|-----|----|
| YES | NO |
|-----|----|

## WASTE MANAGEMENT (MARPOL AGREEMENT, ANNEX 5) fill in at the end of the trip

57. WASTE CATEGORY

58. STORAGE / DISPOSAL METHOD indicate with a "X" how waste is stored/disposed of

|                                | At sea | Incinerated | Land disposal | Other (detail) | Retained | Unknown |
|--------------------------------|--------|-------------|---------------|----------------|----------|---------|
| Cardboard and paper            |        |             |               |                |          |         |
| Kitchen waste                  |        |             |               |                |          |         |
| Metal and glass                |        |             |               |                |          |         |
| Non-biodegradable fishing gear |        |             |               |                |          |         |
| Oil and fuels                  |        |             |               |                |          |         |
| Other                          |        |             |               |                |          |         |
| Plastic                        |        |             |               |                |          |         |

## OBSERVED TRIP SUMMARY [fill in at the end of the trip] [collect all dates and times in Coordinated Universal Time (UTC)]

59. No. fishing events/sets conducted with observer onboard

|  |
|--|
|  |
|--|

60. Number of fishing events/sets observed

|  |
|--|
|  |
|--|

61. Number of days searching

|  |
|--|
|  |
|--|

62. No. active fishing days

|  |
|--|
|  |
|--|

63. Number of days lost

|  |
|--|
|  |
|--|

64. Reason for days lost (circle)

|             |           |       |
|-------------|-----------|-------|
| Bad weather | Breakdown | Other |
|-------------|-----------|-------|

65. No. days in fishing area

|  |
|--|
|  |
|--|

66. No. of days transiting

|  |
|--|
|  |
|--|

**IOTC ROS minimum standard data-fields are highlighted in this form in light grey. These are to be collected and reported to the IOTC.**

**OBSERVED TRIP NUMBER:** Record trip unique identifier. This is the observed trip unique identifier. This should begin with trip's start date (YYYY-MM-DD), followed by IOTC observer number, and vessel main gear code as per IOTC classification (E.g., 2018/01/23-IOTCFRA001-LL).

**1. OBSERVER IOTC REGISTRATION NUMBER:** Record observer registration number allocated by the IOTC Secretariat to be used on all observer data submissions ('FFF' is a 3-letter alpha-code identifying the flag country / fishing entity responsible for the observer, 000 is a sequence of three digits uniquely identifying the observer (e.g., IOTCFRA001)).

**2. OBSERVER NAME:** Record full name of the scientific observer that collected the data on-board the fishing vessel. Last name first, first name last.

**3. OBSERVER NATIONALITY:** Record scientific observer nationality as it appears in the observer passport.

**4. LOCATION OF EMBARKATION:** Record country, name and / or geographical coordinates of the port where the observer boarded the vessel. If the observer embarked at sea outside port limits via a vessel transfer, record "at sea" and record the position in Latitude and Longitude.

**5. DATE AND TIME EMBARKATION:** Record date and time that the observer boarded the vessel. Embarkation date / time may not coincide with the date/time the vessel sails.

**6. LOCATION OF DISEMBARKATION:** Record country, name and / or geographical coordinates of the port where the observer disembarked. If the observer disembarked at sea outside port limits via a vessel transfer, record "at sea" and record the position in Latitude and Longitude.

**7. DATE AND TIME OF DISEMBARKATION:** Record date and time that the observer disembarked from the vessel. Note that observer's disembarkation date/ time may not coincide with the date/time the vessel lands.

**8. VESSEL NAME:** Record vessel full name with no abbreviations, as recorded on vessel official documents, and crosschecked with the name recorded on the vessel itself (any discrepancies to be reported to the IOTC). Record vessel's name correct spelling including any corresponding numbers. E.g., "Agnes 83".

**9. VESSEL FLAG / CHARTERING STATE:** Record country where vessel is registered as shown on its registration documents. Where chartering occurs, name of chartering country. Note that vessel flag state (or chartering flag) may not be the same as the nationality from which the vessel originates.

**10. VESSEL IOTC NUMBER:** Record vessel IOTC number as per the IOTC Record of Authorized Vessels (see <https://iotc.org/vessels/current>), crosschecked with the number recorded on vessel certificates (any discrepancies to be reported to the IOTC).

**11. VESSEL IMO OR LLOYD'S NUMBER:** Record the number allocated to the vessel by the International Maritime Organization of the United Nations (e.g.: IMO8814275).

**12. INTERNATIONAL RADIO CALL SIGN (IRCS):** Record vessel radio call sign (if available). This is the series of numbers and letters painted on vessel's side or superstructure.

**13. VESSEL PORT OF REGISTRATION:** Record vessel's port (and country) of registry as shown on its registration documents and lettered on the stern of the ship's hull.

**14. VESSEL REGISTRATION NUMBER:** Record vessel registration number, i.e., the number issued by country (Flag State) in which the vessel is registered, shown on its registration documents and written on the hull of the vessel. This may be a combination of characters and numbers; record them all (e.g.: CBG303).

**15. VESSEL PHONE / 16. VESSEL FAX / 17. VESSEL EMAIL:** When available, record vessel contacts details, taking note of the ocean region code. Vessel may have several contact numbers and email addresses depending on the satellite communications systems installed onboard; record them all.

**18. LICENSED TARGET SPECIES:** Record licensed target species as specified in vessel licences or permit conditions. Use FAO spp. 3-alpha code. Note that vessels generally target a narrow range of spp. some might not be an IOTC species; record them all.

**19. MAIN FISHING GEAR:** Specify vessel main fishing gear: gillnet (GIL), drifting longline (DLL), pole and line (TPL) or tuna purse seine (TPS).

**REGISTERED OWNER 20. FULL NAME / 21. NATIONALITY / 22. CONTACT DETAILS:** Record the name of Company or Person (last name first, first name last) who owns the vessel, nationality and contact details in full (mobile and fix phone, email). This should be in the Vessel Registration Papers.

**CHARTERER / OPERATOR 23. FULL NAME / 24. NATIONALITY / 25. CONTACT DETAILS:** Where the vessel has been chartered and is operated and managed by a company other than the owner, record operator's full name (company or individual as appropriate), nationality and contact details (mobile and fix phone, email).

**FISHING MASTER 26. FULL NAME / 27. NATIONALITY:** Record fishing master name (last name first, first name last) and nationality in full.

**SKIPPER 28. FULL NAME / 29. NATIONALITY:** Record skipper name (last name first, first name last) and nationality in full. Note: in some instances, the fishing master and skipper may be the same person. In such cases record here "N/A" for not applicable.

**30. CREW NUMBER:** Record the number of crew, cross checked against vessel's crew list.

**31. PORT OF DEPARTURE:** Record the country, name and / or geographical coordinates of the port from where the vessel sailed. If the vessel started a new trip at sea following transshipment record 'at-sea' plus the geographical coordinates corresponding to the location the trip started.

**32. DATE / TIME VESSEL SAILED:** Record the date and time the vessel departed from port or from a transshipment location. Note that date / time the vessel sails may not coincide with observer's embarkation date / time.

**33. PORT OF RETURN:** Country, name and / or geographical coordinates of the port where the vessel returned. If the vessel arrived at a transshipment location record 'at-sea' plus the geographical coordinates corresponding to the location the transshipment started. If you disembark before the vessel returns to port record expected port of return as per vessel.

**34. DATE / TIME VESSEL RETURNED TO PORT:** Record the date and time the fishing vessel finishes its fishing campaign. i.e., returns to port or to a transshipment location for unloading. If the observer disembarks before the vessel returns then record expected date and time of arrival (ETA) as provided by the vessel.

**35. TONNAGE:** Record vessel tonnage (mT) as specified in registration papers and indicate type of tonnage by circling GT (Gross Tonnage) or GRT (Gross Registered Tonnage).

**36. LENGTH OVERALL:** Record vessel overall length (LOA) as specified in vessel registration papers and indicate the unit of length used by circling meter or feet.

**37. HULL MATERIAL:** Specify vessel hull material(s) as specified in registration papers by circling: steel (STE), wood (WOO), aluminium (ALU), fibre glass (FRP) or other (OTH).

**38. MAIN ENGINES MAKE AND POWER:** Record the make (brand) and power of the main engine or engines if more than one. Circle the correct power units as per specified in vessel registration papers: Horse Power (HP), Kilowatts (KW) or Brake Horsepower (BHP).

**39. FISH STORAGE CAPACITY:** Record vessel total maximum capacity to store catches. This should include blast freezer(s) capacity. Circle the correct units used: metric tons (mT.) or cubic metres (m3).

**40. FISH PRESERVATION METHODS:** Indicate fish preservation method(s) used by the vessel to preserve the catch by circling one or more of the codes indicated in the form and detailed in Table 1.

| TABLE 1- FISH PRESERVATION METHODS |        |            |  |
|------------------------------------|--------|------------|--|
| <b>NO</b>                          | None   | <b>CWS</b> | Chilled with sea water (higher temp than refrigerated sea water) |
| <b>ST</b>                          | Salt   | <b>RW</b>  | Refrigerated sea water   |
| <b>DR</b>                          | Dried  | <b>BR</b>  | Refrigerated brine (cooler than RW)                              |
| <b>SM</b>                          | Smoked | <b>FR</b>  | Cold storage between 0 and -30 degrees                           |
| <b>IC</b>                          | Ice    | <b>DF</b>  | Cold storage below -30 degrees                                   |

**41. FISH STORAGE TYPE:** Indicate the type of structure(s) present on-board used by the vessel to store the catch by circling one or more of the following fish storage types: Well (WL), Blast Freezer (BF) and / or Refrigeration Chamber (RC). Note: make sure you circle the correct fish storage type(s) used.

**42. VESSEL AUTONOMY / RANGE:** Record vessel autonomy, expressed in the time (days) a vessel can spend at sea without refuelling. If this information is not available, record vessel range expressed in cruising distance (nautical miles). Make sure you circle the correct units used (days or nautical miles).

$$\text{<Vessel range (nm)>} = \text{<Vessel average cruising distance per metric ton (nm/mT)>} \times \text{<Tonnage of fuel carried (mT)>}$$

**VESSEL ELECTRONICS 43 TO 56:** If vessel has a device, circle "Y"(yes); if it does not circle "N" (no). You must circle "Y" or "N" for every device.

**GPS-** only circle "Y" if an independent GPS unit is on-board. GPS incorporated into track plotters and acoustic systems shouldn't be considered here.

**RADARS** – also circle "Y" if a high frequency radar used to search for seabird activity or activity on the sea surface is present on-board. **DOPPLER**

**CURRENT METER** – only circle "Y" if an independent current meter is on-board as other devices can be used to ascertain current speed.

**EXPENDABLE BATHYTHERMOGRAPHS (XBT)** – only circle "Y" if an independent XBT is present on-board, as other devices can be used to determine the depth of the thermocline. XBT are usually mounted on the bridge wings. **SEA SURFACE TEMPERATURE (SST) GAUGE** – only circle "Y" if an independent SST gauge is present on-board, as other devices can be used to determine sea surface temperature. SST gauge is usually mounted on the bridge. **WEATHER FACSIMILE** – only circle "Y" if an independent weather facsimile is on-board, as other devices can be used to receive weather information. **FISHERY INFORMATION SERVICES (FIS)** - only circle "Y" if the vessel as a FIS installed on-board. Note that vessels may access fishery information services for instant information on weather and oceanographic features (SST, phytoplankton densities or sea height).

**WASTE MANAGEMENT DETAILS** - "Waste" being all kinds of virtual, domestic and operational garbage, excluding fresh fish and parts thereof, generated during the normal operation of the ship and liable to be disposed of. **57. WASTE CATEGORY AND 58. STORAGE / DISPOSAL METHOD:** The observer is to fill in the waste management table at the end of the trip by noting "Y" (yes) or "N" (no) to indicate one or more waste storage/disposal method(s) used by the vessel per waste category. See example below.

| 57. WASTE CATEGORY  | 58. STORAGE / DISPOSAL METHOD (note "Y" or "N" to indicate how waste is stored/disposed of) |             |               |                |          |         |
|---------------------|---|-------------|---------------|----------------|----------|---------|
|                     | At sea  | Incinerated | Land disposal | Other (detail) | Retained | Unknown |
| Cardboard and paper | Y   | Y           | N             | N              | N        | N       |

**59. NO. FISHING EVENTS/SETS CONDUCTED WITH OBSERVER ONBOARD:** At the end of the trip record the total number of tuna fishing events/sets conducted by the vessel while the observer was on-board, independently of their success and of being sampled or not by the observer.

**60. NUMBER OF FISHING EVENTS/SETS OBSERVED:** At the end of the trip record the number of tuna fishing events monitored by the observer, independently of their success.

**61. NUMBER OF DAYS SEARCHING:** At the end of the trip record the total number of days that the vessel was engaged in actively searching for fish, including active fishing days

**62. NO. ACTIVE FISHING DAYS:** At the end of the trip record the total number of days that the vessel actually fished (i.e. when the vessel had gear in the water). Note: for some events/sets this may be for only a few hours of the day. Alternatively, a single event/set may span part of two days.

**63. NUMBER OF DAYS LOST:** At the end of the trip record the total number of days where a vessel was unable to fish due to unforeseen events.

**64. REASON FOR DAYS LOST:** Indicate the reason(s) why a vessel was unable to fish by circling one or more of the options provided: (i) adverse weather conditions, (ii) mechanical breakdown or inoperative gear or (iii) other unforeseen events (to be specified).

**65. NO. DAYS IN FISHING AREA:** At the end of the trip record the number of days the vessel spent in the fishing area while the observer was onboard. This does not include transit time even if the area being transited is within the fishing area.

**66. NO. OF DAYS TRANSITING:** At the end of the trip record the number of days the vessel spent steaming or transiting to/between/from fishing areas while the observer was onboard.