

ATTACHMENT: ELECTRONIC LOGBOOK DATA REQUIREMENTS XPRAWN (Requirements Version: 1.0/ XPRAWN Version: XPR03)

This document should be read in conjunction with the "INSTRUCTIONS FOR HOLDERS OF FISHING CONCESSIONS AND LICENCES USING XPRAWN (Instruction Version: 1.0/ XPRAWN Version: XPR03)".

Purpose

This document describes the fishing and non-fishing details that must be collected by your electronic logbook. All electronic logbook software must collect and send to AFMA the mandatory information required. It may collect other information depending on the design of the electronic logbook. Your electronic logbook may be part of a larger vessel management software package.

Interpretation

In this document, a reference to "electronic logbook report" means an XML document formatted in accordance with the latest XPR03 XML DTD and the latest XPR03 Data Dictionary.

Getting started - AFMA Elog ID and Vessel ID

When you registered for electronic lodgement, you will have been issued with an electronic logbook identification number (Elog ID) and a vessel identification number (Vessel ID). These IDs must be entered into your electronic logbook before you can send any electronic logbook reports to AFMA. Your electronic logbook software will have a section where you can type in these details.

You must only use your electronic logbook on the vessel that you indicated when you registered for electronic lodgement. Your Vessel ID is linked to that vessel. If you wish to use electronic logbook software on another vessel you must contact AFMA's Electronic Logbook Co-ordinator to obtain a new Vessel ID. The Electronic Logbook Co-ordinator may also issue you with a new Vessel ID if your Boat details change.

Overview of the information required by AFMA

This information is the same as that collected by the paper-based Fishing Log (NP13). There are a small number of extra pieces of information that are included to be consistent with the generic electronic logbook report format.

Electronic logbook reports contain information on:

- Contact details
- Boat details
- Gear details
- Non-fishing details
- Trip details
- Fishing details.

These details are collected by your electronic logbook and sent to AFMA either by disc or by e-mail using a digitally signed electronic logbook report.

Contact, Boat and Gear details will usually be entered only once into your electronic logbook software, and updated only if these details change. It is important that you keep these details up to date. Depending on your software, you may have to send Boat details separately to AFMA. You may still fill out the paper-based Fishing Log (NP14) Gear and Skipper Details sheet and send that page to AFMA if this facility is not in your electronic logbook software. Please contact your software provider to see if you need to do this.

Details of non-fishing activity (e.g. in port, steaming, nights off) can be entered either daily or on a multi-day basis. Your electronic logbook software may only limit you to daily reporting. This activity can be between or within trips.

Trip details are entered into your software as soon as the trip has commenced or finished. Information about vessel activity outside of fishing trips must be sent to AFMA, but this does not have to be done electronically.

Fishing details must be entered into your electronic logbook software on a daily basis. How this is done is dependent on your software. Fishing details includes time spent searching for product, time spent fishing, location of searching and/or fishing, weight of catch by species and grade, and catches of wildlife.

The XPR03 electronic logbook report does not contain details collected on the NP14 TEDs and BRDs sheet. You will have to use the NP14 to complete those details. Send completed TEDs and BRDs sheets to AFMA in a reply-paid envelope. Please indicate on this sheet that you normally use electronic lodgement..

Contact details

Each electronic logbook report will contain Contact details of a person to be contacted if AFMA needs to talk to someone about problems in the report. While usually this would be the skipper of the vessel, there may be reasons why the contact person would be someone else (e.g. the fleet manager).

Your electronic logbook software will have a section where you can enter these details so that they can be automatically added to the electronic logbook reports when they are sent. You should enter the Contact details as soon as you install your software, and keep it updated if these details change (e.g. a new skipper or a new phone number).

You must provide:

- your name
- a phone number at which you can be most easily contacted.

You may provide:

- e-mail addresses
- alternative phone numbers
- a description of the role of the contact person (e.g. skipper, fleet manager).

Boat details

Details of the vessel used for fishing must be sent to AFMA. Your electronic logbook will have a section where you can enter these details. Depending on your software, these details may be sent with every electronic logbook report, or you may choose to send them as required. If there is a choice, these details must be sent with your first electronic logbook report, and with the first electronic logbook report of each year. An electronic logbook report with these details must also be sent if these details change. You must keep these details up to date, among other things, scientists require this information to determine the fishing power of the fleet.

You must provide the:

- name of the vessel
- Australian State or Commonwealth fishing distinguishing mark displayed on boat hull
- length of the vessel
- beam of the vessel
- depth of the vessel
- make of the main engine(s)
- model of the main engine(s)
- power developed by the main engine(s)
- gear box reduction ratio
- if the vessel has a kort nozzle
- diameter of the propeller
- pitch of the propeller
- maximum steaming speed of the vessel
- usual towing speed when fishing for banana prawns
- usual towing speed when fishing for tiger prawns
- maximum main engine RPM when the vessel is trawling
- usual main engine RPM when the vessel is trawling
- hourly fuel consumption when fishing for tiger prawns
- estimated fuel consumption per night when fishing for tiger prawns if the hourly fuel consumption is unknown
- make of the main plotter used
- model of the main plotter used
- if the vessel has a sonar
- maximum number of crew (including the skipper) that the vessel can carry.

If your electronic logbook does not have provision to collect Boat details, or you have difficulty reporting them, you may fill out the NP14 Gear and Skipper Details sheet and send it to AFMA in a reply-paid envelope. Please indicate on this sheet that you normally use electronic lodgement.

Gear details

Details of the gear used for fishing must be sent to AFMA. These details must be entered into your electronic logbook before you send your first electronic logbook report, and kept up to date. You do not have to send these details to AFMA separately as every electronic logbook report contains gear details.

The nets you use to fish in the Northern Prawn Fishery (NPF) or the Torres Strait Prawn Fishery (TSP) must be described separately. Similarly the details of the nets you use to fish for banana and tiger prawns are described separately. These details are the same as collected by the NP14 Gear and Skipper Details sheet.

You must provide:

- the fishery the nets will be used in (NPF or TSP)
- if the nets are used to fish for banana or tiger prawns
- the headrope length of a single net
- the number of nets towed (e.g. 2 nets in the NPF).
- type or manufacture of net (e.g. Florida flyer)
- body taper (1B, 3P, etc)
- internal stretched mesh size of the net
- diameter of the net material.

You must record details of the doors or otter boards used for fishing. These are:

- the type/manufacturer/description of trawl door (e.g. Bison, Icelandic).
- if the door is a Bison board, then the number of the board must be given.
- if the door is not a Bison board then you must tell us the door length,
- and the door height,
- and the door weight.

If the board is a Bison board, only the door type (Bison) and the number should be recorded, otherwise the dimensions and weight only should be recorded.

You must also record details of the try gear used for searching. The details are:

- the position the try gear is towed (Starboard, Port or Centre)
- the headrope length of the try net

Non-fishing details

The Instructions state that you must make a record in your logbook in respect of every day that your fishing concession or licence is in force. What this means is that you have to inform AFMA what your vessel is doing for every day, whether it is fishing or not (e.g. steaming, tied up in port, fishing in State fisheries). Your software will have a section where you can record non-fishing activity. Record the type of activity and the first and last date of that activity.

You may have very long periods where the vessel is not fishing in a Commonwealth fishery, such as being tied up in port, being refitted, or when you are fishing in a State-managed fishery. In this case, you may fax or e-mail the Data Entry staff and inform them of this activity. You may send an electronic logbook report every month with this information, or you may use the paper-based Fishing Log (NP14) and send that to AFMA. If you contact Data Entry or use the NP14, you must indicate that you normally use electronic lodgement.

Trip details

AFMA requires that you record the details of your trip. A trip is defined as the period from when a vessel leaves a port to go fishing, to when it returns to port. It need not be the same port as the one you departed.

Your electronic logbook software will have a section to enter these details. You must complete these details within one day of departure or return.

You must provide the:

- port of departure or return
- date of departure or return
- time of departure or return.

You must report all activity during the trip, both fishing activity and non-fishing activity. Fishing activity (trawling and searching) must be recorded on a daily basis. Non-fishing activity may be recorded on a multi-day basis.

Crew details

You are asked to tell AFMA about the crew on board your vessel during the trip. You may provide:

- the number of crew onboard (including the skipper)
- if there was an observer on board.

Fishing operation details

The catch and effort details for each fishing day must be recorded in your electronic logbook, during the day it occurred. You must record the fishery (NPF, TSP or Kimberley Prawn fishery KCP) that the fishing occurred in. You must record the date, location of greatest catch/middle of area searched, hours trawled, hours searched, number of trawl shots, catch by species and catch of wildlife for every day. How you enter these details depends on your software, but your software must be able to send the required information to AFMA in the correct format.

For every day fished/searched you must provide the:

- fishery (NPF, TSP, KCP)
- date of the activity
- time that you commenced fishing or searching
- location (latitude and longitude) of the greatest catch or the middle of area searched
- total number of hours spent trawling for the entire day/night (zero if no trawling occurred)
- total number of hours spent searching for trawling grounds (if any time spent searching)
- total number of trawl shots deployed during the day
- total estimated weight (kg) of catch kept during that day/night by:
 - species (e.g. banana prawns, bug)
 - grade (e.g. 10/20, 20/30, ungraded)
 - process (e.g. whole, headed, filleted)
 - treatment (e.g. iced, frozen, RSW).

You may provide:

- the name of the fishing ground searched or trawled
- any comments you wish to make about the day.

Details of any protected marine wildlife species caught during the day/night must also be reported. A list of protected marine wildlife species is provided on the underside of the fold-out flap of the paper-based Fishing Log (NP14).

If you catch sea snakes, syngnathids (seahorses, pipe fish, seadragons) or turtles you must provide:

- the species caught (e.g. seahorse, green turtle, leatherback turtle)
- the total number of that species caught during the day/night
- their condition on release (alive, dead, injured or unknown).

If you catch or interact with any other protected species you must provide details for each individual animal. You must provide:

- the species caught (e.g. dolphin, dugong)
- its condition (alive, dead, injured or unknown)
- how the animal was caught or how you interacted with it (when shooting away, hauling, steaming, etc)
- the date you caught or interacted with the animal
- the time you caught or interacted with the animal
- the location (latitude and longitude) at which caught or interacted with the animal
- any tag number if the animal was tagged.

You may provide:

- comments on the catch or interaction that you think AFMA should be aware of.

Note that you may report turtle catches by individual animal if you wish.

Sending electronic logbook reports

Electronic logbook reports that detail fishing activity over a particular month must be sent by the 14th day of the next month. You may send them on a magnetic computer disc, or by a digitally signed e-mail.

If you send the report on a magnetic computer disc, you must write on the disc the Vessel ID number, the dates the report covers, the date the report was generated and the name and signature of the authorised representative.

If you are sending the report by digitally signed e-mail, we recommend that you send reports on a more frequent basis (e.g. weekly). If you send reports more frequently, there will be less scope for data loss if your system fails (i.e. you will only have to recover a week of data rather than a month), and AFMA will have up-to-date information on the state of the fishery. Any comments you wish to make on your fishing activity will be delivered to AFMA on a more frequent basis.

What if the computer fails? - Backing up your software and data

It is for your protection that you should have a comprehensive backup system on the computer your electronic logbook system is installed. If your computer fails and you lose data that has not been sent to AFMA by an electronic logbook report, you may be in breach of your fishing concession conditions. AFMA recommends that you send your electronic logbook reports frequently to reduce the potential for lost data.

Australian Fisheries Management Authority
March 2004