

# eTunaLog

## v1.02

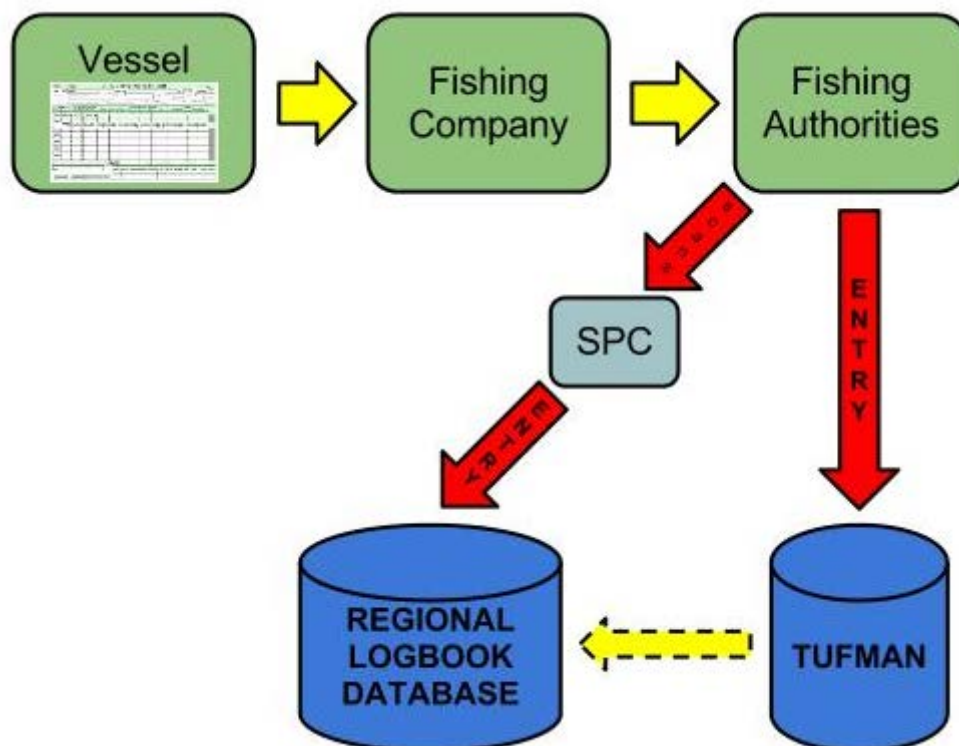
Smart Electronic Purse seine PDF Logsheet management system

### Operation Manual

## 1. Presentation of the software

### 1.1. Why a smart PDF?

This software has been developed by the Secretariat of the Pacific Community (Noumea) in order to enhance the Purse seine logsheet submission process. The goal of such system is to remove the need for multiple data entries in the form submission process.



It has been designed to manage the data entry of a new electronic logsheet, the smart purse seine PDF logsheet, which provides an easy and pre-formatted way to enter daily fishing set data.

After audit, the smart PDF logsheet data can be directly imported into the various databases such as TUFMAN or the SPC Regional Logbook databases, in order to remove the un-necessary multiple data entry steps.

The main advantages of this new technology are

- **Easy to use.** The smart logsheet has been designed to look exactly like the Regional Standard Logsheet. Therefore the learning curve is very small.
- **Removal of data entry error possibilities.** The direct import of the vessel logsheet into databases ensure all the vessel data is properly recorded.
- **Data control checks.** The smart PDF logsheet contains some inline checks to ensure the validity of the data entered.
- **Reduction of delays** from the vessel filling the logsheet to the Fishery Authorities & regional agencies
- Better and **more effective data management**, thus better and timely decisions

The Smart PDF is directed to fishing companies operating Purse seine vessel, who are willing to trial electronic reporting. However, for the moment, this is only a trial and filling the smart PDF doesn't currently replace the need to provide hard copy logsheet, as stipulated in the licensing conditions.

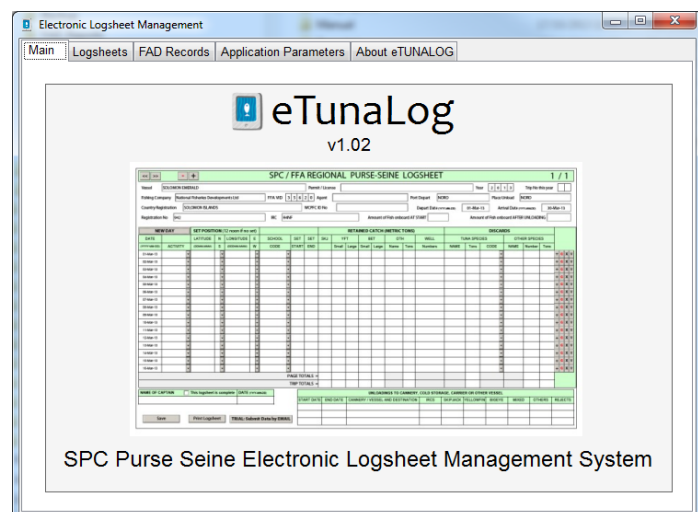
Later down the track, it is hoped that such smart logsheet, after all necessary refinements have been done, will become a standard way of reporting vessel catch to Fisheries Authorities. But not quite yet.

## 1.2. eTunaLog, the smart PDF manager

The smart PDF is provided with a management tool, eTunaLog. This tool, designed under VB.NET, mainly allows the user to manage the creation, edition or deletion of smart PDF vessel trips.

It also enables the recording of the vessel details, which are necessary for the creation of a new smart PDF trip.

It also manages the selection of the main smart PDF template, which is used as a base for the creation of new trips.



- Vessels parameters and smart PDF logsheet template

The screenshot shows a web application titled "Electronic Logsheets Management" with a navigation bar containing "Main", "Logsheets", "FAD Records", "Application Parameters", and "About eTUNALOG". The "Application Parameters" tab is active, displaying two sections: "Vessel parameters" and "Logsheets template".

**Vessel parameters**

Vessel name	Your vessel Name here		Permit/License	
Fishing Company	Your fishing company	FFA VID	36524	Agent
Country Registration	Your country	WCPFC ID		Captain's name
Registration No	Your vessel registration number	IRC	H4GB	Fishing Company email contact

**Logsheets template**

Purse Seine logsheet template	Logsheets template	Logsheets template
FAD Records logsheet template		

Two red callout boxes provide additional information:

- Vessel parameters can be stored here (once for good) and sent to any new pdf logsheet to automatically fill in the logsheet header**
- The latest version of the PDF logsheet template can be loaded here (for new trips)**

- **Vessel trip management**

The screenshot shows a software window titled "Electronic Logsheets Management". It has a menu bar with "Main", "Logsheets", "FAD Records", "Application Parameters", and "About eTUNALOG". The "Logsheets" menu is active. The main area contains a "Create New Trip" button, a "Trip Start Date" field with a calendar icon (showing 24/10/2013), and a small thumbnail of a logsheet. Below these are "Open Existing Trip" and "Delete" buttons, followed by a large empty rectangular box for a list of trips.

This form allows the user to create a new trip when the vessel departs. The vessel parameters described above are needed before creating a new trip, as well as an indication of the Trip Start Date. The name of the new trip will then be made with the following formatting:

**"<Vessel Name>\_<FFAVID>\_<Trip Start date>.PDF"**

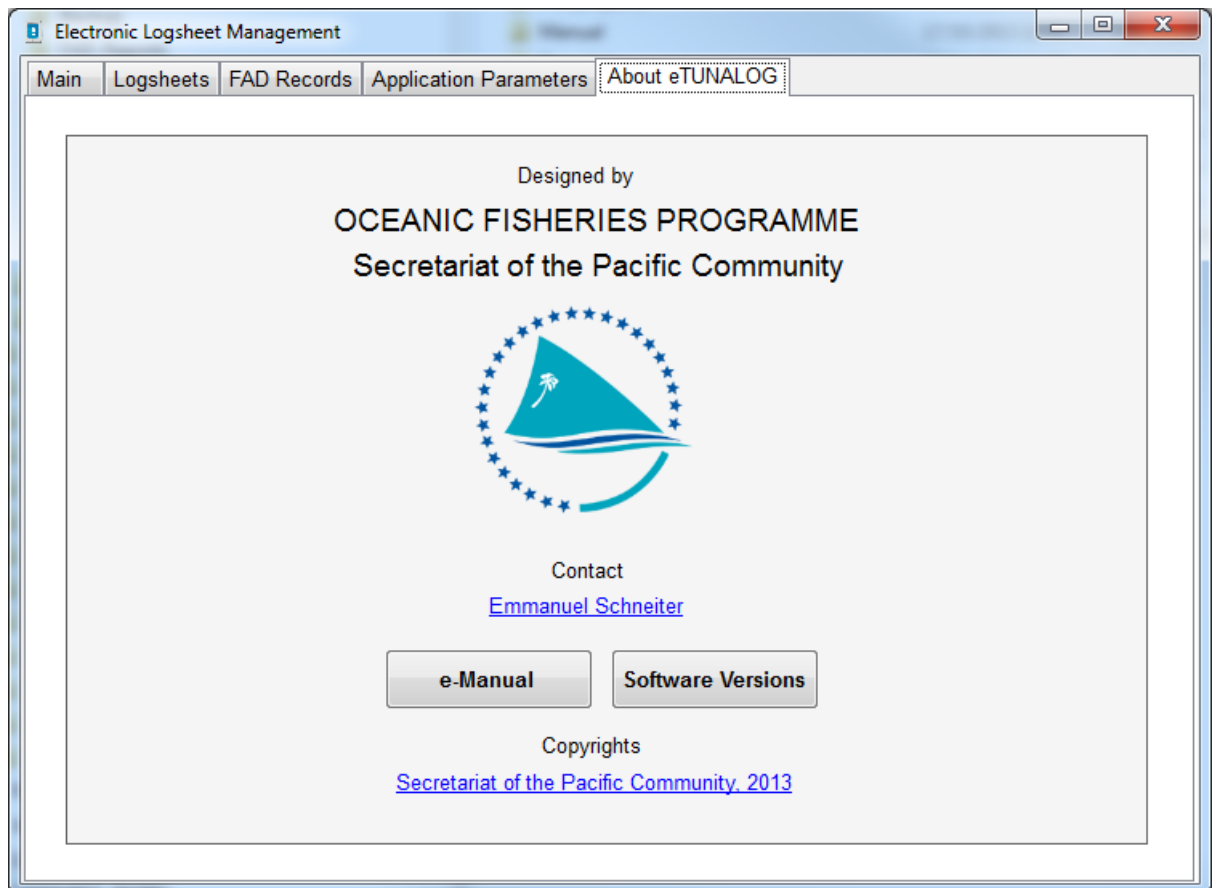
The user can also access saved trips through this form. Select one existing trip from the list available on the form, and click on Open Existing Trip to view and edit a saved trip (double clicking on one of the listed trip also opens it)

Same applies to delete a trip. However, you should be very cautious with trip deletion as the whole trip data will then be removed. If a trip has been deleted by mistake (even though a confirmation message has been asked), you might still be able to recover the unfortunate PDF from the Windows Recycle bin.

- **Feedback**

When using the system, you might be faced to some difficulties or bugs, which you can report by sending an email to SPC. You can do so by clicking on the contact name shown on the form below (“About eTUNALOG” tab of the system).

Any comment is welcome as it will help to ameliorate the use of the smart PDF logsheet management system.

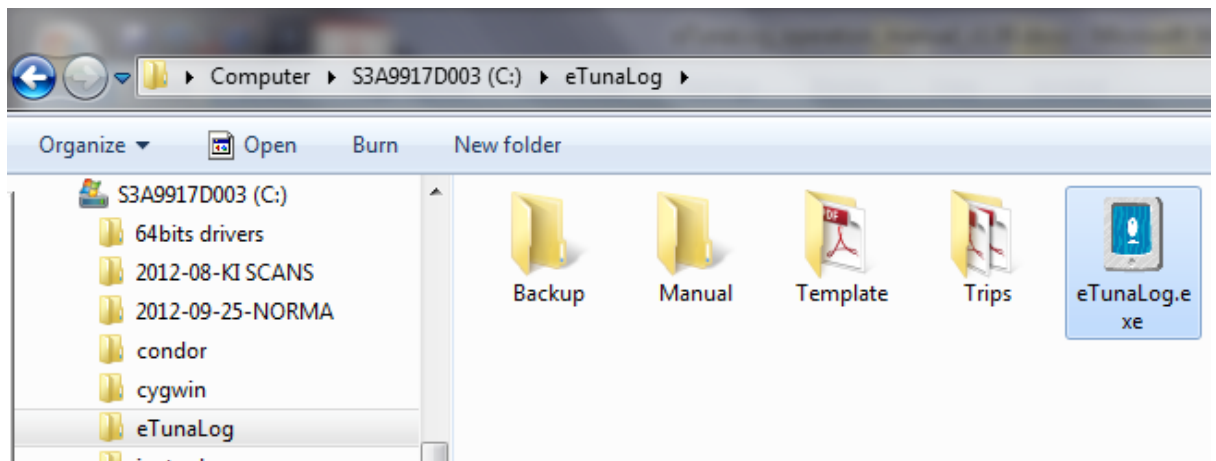


- **Pre-requisite**

The only need for the eTunaLog system to run is at minimum the DOT NET 3.5 framework. However, all operating systems since Windows 7 have it pre-installed by default. If you haven't Windows 7 or later installed, you can still download the DOT NET 3.5 framework from [Microsoft](http://Microsoft) web site. Once downloaded and installed, eTunaLog should work just fine.

- **Folder structure**

The software is usually installed under **C:\eTunaLog** folder, which contains several sub-folders



- **Backup** folder is not used for the moment, but will be in the future to automatically backup your smart PDF logsheet trips
- **Manual** folder contains this manual
- **Template** folder contains the main smart PDF template(s), which is used for any new trip creation
- **Trips** folder contains all the trips that have been created and saved through eTunaLog. You can also edit any of the trips in this folder through the conventional Windows file explorer, by double clicking on the selected PDF file
- **eTunaLog.exe** is the main application. A shortcut to this application should be available on your desktop.
- Some extra folders have been added in the latest version of the software, in the view to handle FAD records. This new electronic data type is planned to be available during 2014.

### 1.3. Purse seine Smart PDF Logsheets

When a new trip is created, a new smart PDF logsheet is generated into the Trips folder, and opened through Acrobat Reader. If you don't have Acrobat Reader, you can

NEW DAY		SET POSITION (12 noon if no set)				RETAINED CATCH (METRIC TONS)										DISCARDS						
DATE	ACTIVITY	LATITUDE (DDMM/MMM)	N	LONGITUDE (DDMM/MMM)	E	SCHOOL CODE	SET START	SET END	SKJ	YFT	BET	OTH	WELL	NAME	Tons	NUMBERS	NAME	Tons	CODE	NAME	Number	Tons
<div style="display: flex; justify-content: space-between;"> <div> <p>1</p> <p>6</p> </div> <div> <p>2</p> <p>7</p> </div> <div> <p>5</p> <p>3</p> <p>4</p> </div> </div>																						
<div style="display: flex; justify-content: space-between;"> <div> <p>8</p> </div> </div>																						


download it from the [Adobe](#) web site

The key features of the smart purse seine logsheet PDF include:

- 1 – Automatic assignment of trip header details according to pre-defined parameters
- 2 – Addition of new logsheet pages
- 3 – Automated page and trip catch totals calculation
- 4 – Possibility to add extra by-catch species with the “+” button (6 maximum for each day). Possibility to add some notes/comments for each day with the “C” button
- 5 – Inline data entry checks: date range, latitude/longitude/times formats, distance travelled
- 6 – addition of new day/sets on the fly
- 7 – Visualisation of minimum required fields (in red)
- 8 – Automated transmission of trip data by email (trip data in XML format, and trip PDF in latest version)

The smart PDF main advantages is to provides a pre-defined frame for the entry of purse seine daily catch data, with predefined and hierarchical fields. The data can then be exported under XML format (and send by email), and finally easily be imported into databases structures, avoiding duplication of the data entry (thus only made once by the vessel captain)

This allows a much timelier reporting of the real time catch from the vessel to the fishing company, and to the fishing authorities or regional bodies.

- **A new day** can be added by clicking on the “**Add New Day**” button (6). This will add a new daily line below the last one, until the space is filled on the form. When no more space is available, you should add a new page (2) and start adding new days on this one.
- **Additional species** can be added for each day (4) by clicking on the “+” button on the right of each day line. One new species will be shown; you can add a total of 6 species for the day by clicking on the other “+” button at the left of the first added extra species. You can remove the whole additional species block by clicking on the “-” button (4) – note that it turn to “-” when you have clicked on the “+”, therefore when the extra species group is shown.
- **A comment** can be added for each day. For example, some vessels might want to indicate when they leave an area to enter a new one. Such comment/note can be added into the smart PDF, by clicking on the small  button on the right of the day line. This will display an extra line under the day, where free text can be entered.
- The PDF logsheet can be **saved or printed** through the buttons available at the bottom of the form. If you close the form without pressing the save button, Acrobat reader will still ask you whether you want to save your form, if modified.

- Once every week, the vessel can send an update of the catch data to the fishing company. He can do this by clicking on the “**Submit data by email**” button (8). The PDF will then open an email message containing the trip data (XML file attachment), and by default a SPC email contact copied (for testing purpose). The user will then have to add the email addresses of the recipients (fishing company staff email) he wants to send the catch data update to.
- The user should note that species names should preferably be entered as FAO species codes, although not compulsory if codes are unknown.

## 2. Software deployment/installation

You will need to install the eTunaLog software on any computer that need to run the smart PDF logsheet management system.

### 2.1. Folder copy

The **eTunaLog** software is very easy to install on new PCs. There is no complex installation, but rather a simple folder copy.

Copy the c:\eTunaLog folder (and its content) to a USB key. With the USB key, copy this folder onto the new PC hard disk, at the root.

### 2.2. Desktop shortcut

Once you have made the copy of the folder structure to the new computer, you should create a shortcut to the “eTunaLog.exe” file onto the desktop. This shortcut will allow to run the system.

### 2.3. Testing

Next step is to check that the system is running fine. Double click on the shortcut and see if all is running, and whether you can open or create a new trip. If the system doesn’t work or if you get an error message, then there is a high chance that the “DOT NET 3.5” framework needs to be installed on the PC. Refer to section “1.2.pre-requisite” for this install.

## 3. Fishing vessel instructions

Once the **eTunaLog** management system is installed on the vessel PC, open it through the desktop shortcut

### 3.1. Pre-requisite

First thing to do is to open the “Parameters” tab, and fill in the vessel details. The essential and required details are the vessel name and the FFAVID.



After the vessel parameters, select the Smart PDF template from the list below. If several are available, select the latest one, which you will recognize with the biggest number.

Example:     Logsheet\_PS\_2009\_V1.02\_Template.pdf -> is the latest version  
              Logsheet\_PS\_2009\_V1.01\_Template.pdf

### **3.2. Creating a new trip**

If the vessel is leaving for a new cruise, then you will need to create a new trip. Ensure that you have filled the vessel Parameters before doing so.

In the **Trip Management tab**, indicate the starting date of the trip, and then click on “New Trip” button. This will generate a new smart PDF file for the trip, and will open it

### **3.3. Opening an existing trip**

If you are willing to edit a current trip, you can select the trip from the list available. Once selected, click on the “Open Trip” button to open the smart PDF form

### **3.4. Daily data entry**

Enter the daily information as needed into the form. Refer to **section 1.3** for that. You can close the form once you have saved it, and reopen it next day.

### **3.5. Weekly data submission**

It would be good if vessel could report on a weekly basis (at least), in order for all to monitor the catch, as well as the use of the smart PDF. You can press on the “Submit by EMAIL button” for that, which will send the email recipients the data formatted in an XML file attached to the message. Please keep this XML file in the message.

### **3.6. End of trip form submission**

At the end of the trip, the vessel will be required to provide the completed smart PDF to the fishing company. You can send this smart PDF by email, although this email will have to be made manually. Attach your PDF trip file to the message, which should be located under **c:\eTunaLog\Trips\** folder. Select the file corresponding to your trip (according to the trip date indicated in the name of the file. To get the latest file, you can change the ordering of file in the Windows Explorer by clicking on the date.

In a near future, the emailing of the last cruise will be automated in the eTunaLog software (through a button)

### **3.7. Feedback**

During the trip, you might be faced to some difficulties or bugs when entering new data. Feel free to report on these problems by sending an email to SPC. You can do so by clicking on the contact name shown on the “About” tab of the eTunaLog system.

Our advice and comments on the system will help us improve the design of the Smart PDF system, which will then benefit to you.

## **4. Fishing company instructions**

### **4.1. What to do at the end of a vessel trip?**

When a vessel using the Smart PDF Logsheet has finished its trip, you (the fishing company) should ensure that they have completed their PDF logsheet, and ensure that you receive a copy for storage in your own system. You can get a copy with a USB key copy or by email.

Once you get the updated latest file, place it into the **C:\eTunaLog\Trips\** folder. This will enable you to open the file from the system, like any other file that you will have copied in this folder.

### **4.2. Form transmission**

Once you have the vessel form installed (copied) in your eTunaLog folders, please send a copy to SPC (through the contact show in the “About” tab) for us to analyse the potential problem, and in the view to always improve it for next trip/vessels

Note that you will still have to send the regular form to fisheries authorities, signed by the captain and stamped by the company.

## **5. Updates**

SPC will send you some regular update of the eTunaLog system (including updates of the smart PDF template). We will give you instructions on how to install them, but basically it will just be a matter of running a small update (installation executable). This update won't override your existing trips, which will be kept in their folder (Trips).