



Regional Logbook Best Practices Guidelines: Module 4, 5 and 6: Daily Catch Reporting, Biological Data, Socio-economic Data

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Modules 4, 5, 6 for detailed data collections incorporate modular approach used for modules 1-3 (Core Data collection)

- Proposes solutions to a country to implement data collection processes.
- Defines a minimum set of information to be collected to address data needs for a country for a given type of fishery (small-scale, coastal, recreational or industrial fisheries) and purpose (Core Data)
- Provides for country specificity

DETAILED DATA –

- Supplemental to Core Data
- Must be considered to have more accurate data to feed more accurate models.
- To be collected depending on a fishery's or country's requirements
- To be collected depending on the final goal of the logbook (e.g., biological data required in detailed stock assessments, socio economic data).
- Can be requested from the fisher in addition to the **CORE DATA** to obtain more quantitative and qualitative information on ALL fishing activities during the considered fishing trip.

5. Module 5: Biological data reporting

6: Module 6: Socio economic data

Logbook Guidelines: Module 5 - Biological data reporting

Module 5: Biological Data

This Module can be implemented as a separate observer logbook or an appendix to the fisher logbook

- *Section 5.1*: Length, weight, sex and maturity
- *Section 5.2*: By-catch reporting ... should this be part of the catch?
Include incidental mortality arising from fishing/ gear interaction

Logbook Guidelines: Module 6 - Socio economic data

Module 6: Socio-economic Data

Socio-economics data

- Fishing trip cost
- Value of catch?

	Small Scale Fisheries daily activities summary (example; dinghies in Bahamas, artisanal fisher in the Caribbean)	Small Scale fisheries daily fishing detailed activities (ICCAT, monitoring FMP for conch / lobster / FF)	Mothership Examples conch/ lobster fishery Bahamas and Jamaica	Industrial fleet	
				Longliner	Trawler
Logbook aim	Collecting catch and effort data from small scale fishers going at sea during several days in a context of limited resource (human and financial) and no proper legal framework	Collecting catch and effort for specific reporting to ICCAT on large pelagic from artisanal fleet (legal framework) or for fisheries monitoring for certain species of high commercial value (need for fisheries management plan)	Monitoring landings from the vessel above 20 ft targeting conch and lobster	Collecting catch and effort data for fisheries management and stock assessment specifically for longliner	Collecting catch and effort data for fisheries management and stock assessment specifically for trawler
DETAILED INFO					
				Not relevant as detailed information per day are collected	Not relevant as detailed information per day is collected
				Mandatory: specific module for trawl haul	Not relevant as summary data per day are collected
5- Biological data		Recommended on sample from landings	No	Recommended (Observer programme)	Recommended (Observer programme)
ADDITIONAL INFO					
6- Socio-economics data	Optional	Optional	Some trip cost should be collected	Optional	

4.1 - Catch and effort summary per day	Recommended	Not relevant as detailed information per day is collected		Not relevant as detailed information per day are collected
Or 4.1- Catch, effort and discards per fishing activity	Not relevant as summary data per day are collected	Mandatory	Not implemented but should be required	Mandatory: specific module for longline set

Detailed Data: Collection and Submission

- Data collected by observers and enumerators would be collected on separate logbooks and
- Submitted through national or regional programs
- The collection of detailed data by observers and enumerators may also require formal agreement between Flag State and the relevant national or regional program in order to coordinate the collection of detailed data and ensure comprehensive coverage of the fisheries.

Reporting Nil fishing activity

Fishing vessels which have not conducted fishing activities during a defined reporting period (e.g. week, month, quarter) are required to submit a nil fishing report.

Reporting Nil fishing activity

Section 1.3 - Nil fishing activity report

Date from: DD / MM / YYYY

Date to: DD / MM / YYYY

Reason for nil fishing: maintenance at dock unloading

other:

Nil fishing during the month of: MM/YYYY/.....

Catch, Effort and discards per fishing activity

This section presents the second option for section 4.1 with the detailed information per fishing activity per day.

SECTION 4.2: catch and effort data per day / per fishing activity

There are at least 4 models depending on the type of gear used as characteristics vary.

In some case, start / end time for line lifting could be added.

For longliner, branchline information is also requested.

SECTION 4.2.1: Line Set information

Line Set number:

Start line set: date: DD/MM/YYYY / time::..... – Coordinate at start: Longitude / Latitude

End line set: date: DD/MM/YYYY / time::..... – Coordinate at end: Longitude / Latitude

Start line haul: date: DD/MM/YYYY / time::..... – Coordinate at start: Longitude / Latitude

End line haul: date: DD/MM/YYYY / time::..... – Coordinate at end: Longitude / Latitude

Area fished: (please refer to the area(s) defined in the manual section)

No of hooks: – Hook type: – Hook size: – Hook Offset:

Line material: – Line diameter: [unit]

Fishing Depth: Start: [unit] / End: [unit]

Use of baits: Yes No

Type of baits used

Artificial Yes No

If Natural: species: / ... quantity ... [unit]

..... / ... quantity ... [unit]

..... / ... quantity ... [unit]

..... / ... quantity ... [unit]

Net set

•Trawler:

SECTION 4.2.1: Tow information

Tow number:

Set details (see comment)

Start haul: date: DD/MM/YYYY / time::..... -

Coordinate at start: Longitude / Latitude .

End haul: date: DD/MM/YYYY / time::..... -

Coordinate at end: Longitude / Latitude .

Area fished:.....

Length of net:..... Depth of net:..... Mesh size:.....

Fishing Depth: Start: [unit] / End: [unit]
Duration of Drag:.....

In some case, haulback start / end time could be added.

•Seine net

SECTION 4.2.1: Seine Set information

Seine Set number:

Start seine set: date: DD/MM/YYYY / time:.....:..... - Coordinate at start: Longitude / Latitude .

End seine set: date: DD/MM/YYYY / time: : Coordinate at end: Longitude / Latitude .

Start seine haul: date: DD/MM/YYYY / time:.....:..... Coordinate at start: Longitude / Latitude .

End seine haul: date: DD/MM/YYYY / time: : Coordinate at end: Longitude / Latitude .

Area fished:..... (please refer to the area(s) defined in the manual section)

Net length: - Net drop:

Trap set

SECTION 4.2.1: Trap information

Trap Set number:

Start trap set: date: DD/MM/YYYY / time::..... Position start: Longitude / Latitude

End trap set: date: DD/MM/YYYY / time::..... Position end: Longitude / Latitude

Area fished:.....

No of traps:

Trap type 1 size : Length (*[unit]*) x Width (*[unit]*) x Height (*[unit]*) - Mesh :

Trap type 2 size : Length (*[unit]*) x Width (*[unit]*) x Height (*[unit]*)- Mesh :

Average Depth Fished: Meters or fathoms

Daily Diving / use of compressor

Name of diver	Name of dory / canoe / dinghies	Coordinate Area fished		Hours spent diving	Average Depth		Species Catch <i>[unit]</i>	
		Lat	Long		Min	Max	Conch	Lobster
Total								



Reporting Catch per set

For each above fishing activity, the table below is used to report catches and discards.

The total of daily reported catch minus discards should equal landing reported in section 4.1.

Note that date is not needed as set details are collected in the effort section.

SECTION 4.2.2: Catch data

Unsuccessful event/set (no fish caught)

Target Species	Quantity <i>[Unit]</i>	Discards
Crawfish (<i>Panulirus argus</i>)		
Conch (<i>Strombus gigas</i>)		
Nassau Grouper (<i>Epinephelus striatus</i>)		
Barracuda (<i>Sphyraena spp.</i>)		
Wahoo (<i>Acanthocybium solandri</i>)		
Mahi Mahi (<i>Coryphaena hippurus</i>)		

FAD use

If FAD are used for the considered fishing activity, characteristics are requested through this section for each set or trawl

SECTION 4.2.3: FAD use

Position (coordinates):lat / long.....

FAD number when available:

FAD type: drifting natural FAD drifting artificial FAD

FAD design characteristics:

Dimension:*[unit]*

material used in the floating part:

material used in the underwater hanging structure:

Type of the activity: set deployment hauling retrieving loss intervention on electronic equipment other:

Additional data observations

Environmental parameters including SST

SECTION 4.2.3: Environmental parameters

Sea Surface temperature: ° [unit]

Other?

Module 5: Biological data reporting

As indicated in section 3.2, this reporting could be done in a separate observers / data samplers books.

The different types of logbooks could be described in the guidelines. Biological data would be part of 'detailed data', i.e. under heading 5 rather than a new 6?

MODULE 5– Biological data

This section provides necessary template to collect biological data for stock assessment.

Length distribution

SECTION 5.1– landed species size DISTRIBUTION

Section 5.1

Total catch:[unit].....

Sample selection method:

Sample weight ...[unit]

Species*	Size Class	Number	location
Nassau Grouper	Size class 1 (a from b <i>[unit]</i>)		
	Size class 2 (b from c <i>[unit]</i>)		
	...		
	Size class n (y from z <i>[unit]</i>)		

Reporting By-catch data (Or wildlife and other protected Species)

Section 5.2: By-catch data

By-catch Species*	Quantity <i>[Unit]</i>	Discards	Condition when discarded	Location

Module 6: Socio economic data

This module can be considered as separate

1. Trip cost

Module 6 – Trip cost

Type of fuel Diesel Gas other:.....

Cost of fuel: [currency]

Cost of oil: [currency]

Quantity of fuel: [unit]

Quantity of oil: [unit]

Bait cost: [currency]

Food cost: [currency]

Ice cost: [currency]

Other expenses cost: [currency]

Total trip revenue: [currency]

Thank you for your attention