INTER-AMERICAN TROPICAL TUNA COMMISSION

FAD RECORDS

These forms (*FAD inventory and information* and *Activity on FADs*) are based on IATTC Resolution C-18-05 on the collection of data on fish-aggregating devices (FADs). They are designed to enable monitoring of FADs throughout a fishing trip.

GENERAL INSTRUCTIONS

it is the responsibility of the person in charge of fishing operations to ensure that the forms are properly filled out, and that the data recorded on the forms are correct, accurate, and complete, although the task of filling out the forms may be delegated to any vessel officer. **Do not write in the shaded spaces**.

You can fill the form out electronically, as an Excel workbook, or on paper, as you prefer.

Electronic forms: The MS Excel version of this form can be downloaded from the IATTC website (https://www.iattc.org/Downloads.htm). **Save it in xslm** (Excel Macro-Enabled Workbook) **format**, with the filename '*Vessel-Year-Trip.xslm*', where '*Vessel*' is the name of the vessel, '*Year*' is the year the trip started, and '*Trip*' is a consecutive number of the trip in that year. For example, for the second trip in 2018 by the vessel *Guadalcanal*, it would be '*Guadalcanal-2018-02.xlsm*'.

Paper forms: Use as many forms as necessary to record all the required data during the trip.
   a. **Page numbering:** In the corresponding space at the foot of each form, enter the sequential number of the form and, at the end of the trip, the total number of pages.
   b. **Electronic copies**: If you scan the completed forms, save the file, in PDF format if possible, with the name as for the electronic forms.

1. FAD INVENTORY AND INFORMATION

a. Header

Vessel name: Enter the name of the vessel

IATTC vessel no.: Enter the number **allocated by the IATTC** on the Regional Vessel Register, available on the IATTC website:
   https://www.iattc.org/VesselRegister/VesselList.aspx?List=RegVessels&Lang=ENG

Trip start date: In the spaces provided, enter the date the trip started, in DDMMYY format; for example, May 10, 2018, would be entered as *'100518'*.

b. FAD details

FAD ID: The ID to enter depends on the system that you use for identifying your FADs.

- **If you use the number of the satellite beacon,** enter the manufacturer's make and model code from Table 1 and the beacon's unique serial number. If you use a make or model not included in the table, enter it in the table and provide as much information as possible under *Comments/Observations*.
- **For other types of beacon**, enter a unique identifier that your vessel assigns to the FAD or locating beacon, and that can be used as a reference for future encounters with that FAD.
- **If you use the alphanumeric code provided by the IATTC,** enter the code that you assigned to this particular FAD. Enter the letters in the first column, and the sequential number in the second column.
- For cases not covered here, describe under *Comments/Observations*.
- **If you use the satellite beacon's number as the FAD ID and you change the beacon on a FAD, it is important that you record the ID of both beacons,** the original and the replacement, on separate lines. Under *Comments/Observations*, make a note that the beacon was changed on the FAD.

Table 1. Manufacturer and model codes

NAUTICAL		SATLINK		ZUNIBAL				Other make_____	
Model	**Code**	**Model**	**Code**	**Model**	**Code**	**Model**	**Code**	**Model**	**Code**
MDP	MDP	D+ battery	D+	Tunabal-7	T07	Tuna8 Expl.	T8E		
MDS	MDS	D+ battery with echo sounder	DS+	Tunabal-e7	Te7	Tuna8 Xtreme	T8X		
M2D	M2D	D+ solar	DL+	Tunabal-e7+	T7+	Tuna8 Explorer (F-series)	F8E		
MSI	MSI	D+ solar with echo sounder	DSL+	Tunabal-7 (F series)	F07	Zuni w/o echosounder	Z07		
M3i	M3I	IDP solar with echo sounder	ISL+	Tunabal-e7 (F series)	Fe7	Zuni w/o echosounder	Ze7		
M3i+	M3+	IDP solar disc. with echo sounder	ISD+	Tunabal-e7+ (F-series)	F7+				
M4I	M4I	SLX solar "ECO"	SLX+						
M4i+	M4+								

DESCRIPTION: Enter the numeric code (only one) that best describes the type of FAD:

1.	Natural (tree trunk, ropes, pallet, fronds), dead animal	**2.**	Own FAD
3.	FAD not owned (by your vessel)	**4.**	Anchored FAD

SURFACE COMPONENT: In the corresponding column, enter the numeric code that best describes the <u>main</u> materials used to make that component of the FAD. If the covering is mainly made of webbing, write under *Mesh* the mesh size (in cm) of the majority of the mesh. If no webbing is used, leave blank.

Raft			Covering			Floats		
1. Canes (bamboo), latticed	**2.** Canes (bamboo), bundled	**3.** Metal	**1.** Webbing	**2.** Plastic	**3.** Cloth/Canvas	**1.** Net corks	**2.** Plastic buoys	**3.** Plastic drums
4. PVC or plastic	**5.** No raft	**6.** Other	**4.** Palm leaves	**5.** No covering	**6.** Other	**4.** No floats	**5.** Other	

DIMENSIONS (meters): Width (W), Length (L), Depth (D): In the corresponding spaces, enter the dimensions of the FAD (**without** the tail, if present).

UNDERWATER COMPONENT ("TAIL"):

Mat. 1 and **Mat. 2:** In the corresponding columns, enter the numeric codes for the **two** main materials of the tail of the FAD. If there is only one, leave the second column blank.

1. Nylon	**2.** Palm leaves	**3.** Bamboo
4. No tail	**5.** Other	

Config. (Configuration): Enter the numeric code of the configuration that best describes the tail:

1. Bundled webbing	**2.** Ropes	**3.** Cloth/Canvas	**4.** Open webbing	**5.** Other

Mesh size: If the tail is made of net webbing, enter the mesh size, in centimeters (1.25" ≈ 3 cm / 4.5" ≈ 11 cm). Otherwise, leave blank.

Depth: Record the maximum depth of the underwater component (tail), in meters.

Comments/Observations: Use this space to record any additional information you consider relevant.
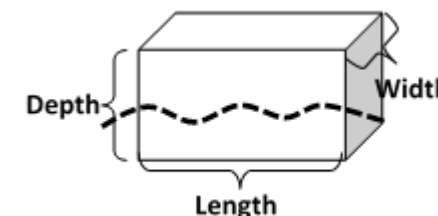
2. ACTIVITY ON FADs

This form complements the *Inventory* form and is used to record each activity involving the FADs recorded on that form, including deploying, checking, recovering, and setting on the FAD, or changing its beacon.

Details of the activities

FAD ID: Enter the same code that you entered under **FAD ID** on the *Inventory* to identify the FAD. In the **Code** column, enter the same manufacturer code that you entered on the Inventory, and under **Serial No**, the beacon's serial number. If you use the alphanumeric IATTC codes, enter the letters in the first column and the sequential number in the second column. If the FAD does not have a beacon, leave blank and include comments in the appropriate column.

If you replace the beacon that is used as the FAD ID, enter in this column the ID of the original beacon that you removed, and in the following column (**Replacement ID**) the one you attached to replace it.

Replacement ID: Fill out this column **only if you replace the beacon used as the FAD ID** (Activity 5, **Beacon change**). Enter the ID of the new beacon in this column. For every subsequent activity on this FAD, enter this ID in the first column. For cases not covered by these instructions, describe under *Comments/Observations*.

Date: The date of the activity, in DDMMYY (day-month-year) format

Time: The local time at which the activity occurred, in 24-hour format (1 pm = 1300).

Act. (Activity): Enter the numeric code that best describes the activity recorded. Record each activity, with its respective code, on a separate line, even if they happen consecutively. For example, if the FAD is recovered at the end of a set, enter '3', with its corresponding information (ID, date, time, position, catch), on one line, and '4' on the following line, with its corresponding information (ID, date, time, position). If you check a FAD and change its beacon, enter each activity ('1' and '5') on a separate line; in that case, the ID would change, but all the other information would be the same.

1. **Check**: The FAD is checked to see whether it has fish, but no set is made	2. **Deployment:** A new or recovered FAD is deployed
3. **Set:** A set is made on the FAD	4. **Recovery:** The FAD is recovered and kept on board
5. **Beacon change:** The beacon used to identify the FAD is changed	6. **Other:** Describe any activity not covered by codes 1-5 under *Comments/Observations*

Position: Enter the geographical position of the activity (latitude and longitude), in degrees in minutes, indicating the corresponding hemisphere (N: North, S: South, E: East, W: West).

Tuna catch: If the activity is a set ('3'), enter the catch of yellowfin (YFT), bigeye (BET), and skipjack (SKJ) tuna, in tons. If the catch includes tunas of other species (OTR), enter the quantity and species, if possible, under *Comments/Observations*. If the activity is not a set, leave blank.

Bycatch: If sharks (SHK), turtles (TURT), billfishes (BIL), rays (RAY), or other fish (OTR)) are caught in the set, enter the number of individuals (N) or tonnage (t) caught, and on the following line, the number or tonnage released alive. If there is no catch, leave blank.

Comments/Observations: Use this space as indicated in the instructions, or to make any notes or observations you consider important.

Complete the information of pages, sequential number and total number, at the end of each page. This will help identified if pages are lost in transmittal.

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FAD INVENTORY AND INFORMATION

Vessel name		IATTC number		Trip start date		DD	MM	YY

Description codes	
1. Natural	2. Own FAD
3. FAD Not owned	4. Anchored FAD

FAD ID			Surface component				Dimensions (m)			Underwater component (tail)					Comments / Observations
Manufacturer code (Table 1)	Beacon serial no. or IATTC code	Descrip-tion	Raft	Cover-ing	Mesh (cm)	Floats	W	L	P	Mat. 1	Mat. 2	Config.	Mesh size (cm)	Depth (m)	

SURFACE COMPONENT MATERIALS									UNDERWATER COMPONENT MATERIALS			CONFIGURATION OF THE TAIL	
Raft			Covering			Floats			1. Nylon	2. Palm leaves	3. Bamboo	1. Bundled webbing	2. Ropes
1. Canes (bamboo), latticed	2. Canes (bamboo), bundled	3. Metal	1. Webbing	2. Plastic	3. Cloth/Canvas	1. Net corks	2. Plastic buoys	3. Plastic drums	4. No tail	5. Other		3. Cloth/Canvas	4. Open webbing
4. PVC or plastic	5. No raft	6. Other	4. Palm leaves	5. No covering	6. Other	4. No floats	5. Other					5. Other	

INTER-AMERICAN TROPICAL TUNA COMMISSION

ACTIVITY ON FADs		Activity Codes	
		1. Check	2. Deployment
		3. Set	4. Recovery
		5. Beacon change	6. Other

Vessel name		IATTC vessel no.					Trip start date	DD	MM	YY

FAD ID	Replacement ID (only if beacon is replaced)	Date	Time	Act.	Position		Tuna catch (t)				Bycatch: number [N] or tonnage [t].									Comments / Observations
					Latitude N/S	Longitude E/W	YFT	BET	SKJ	OTR	SHK	N/t	TURT	N/t	BIL	N/t	RAY	N/t	OTR	N/t	
BYCATCH RELEASED ALIVE:																					
BYCATCH RELEASED ALIVE:																					
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