**Terms of Reference for Crew Observer Photographic Protocol (COPPA) Expansion in the Vietnam Handline Tuna FIP**

# Overview

The Crew Observer Photographic Protocol (COPPA) application is a simple Android app that allows fishers to collect data on target catch (tuna) as well as ETP species (sharks; turtles) directly, taking photos as needed, and logging other key data such as fishing time, port in/out date, and GPS location, which are recorded automatically by the app. The information can then be used by fishery managers to supplement official onboard observer data, develop measures to conserve catch species and evaluate the effect the fishery may have on bycatch species. Sea Delight, in cooperation with VinaTuna, have steadily evolved COPPA implementation within the Vietnam handline Tuna Fishery Improvement Project (FIP) since 2018. The ETP data collection itself has a positive role in supporting key MSC performance Indicators (e.g. PI 2.3.2 on ETP Species Management), and moreover provides broader benefits in terms of acquainting fishers with the routines of digital data collection – an area of particular concern given GoV’s plans to steadily develop and implement digital logbooks and traceability in the handline fishery.

In early 2022, Sea Delight and VinaTuna planned an expansion of the COPPA program in the Vietnam handline tuna FIP. The agreed option was to expand the program by providing new phones and offering an “honorarium” for each trip to more fishers. This expansion would be limited by budget and recruitment response.

As the Sea Delight[[1]](#footnote-1) / VinaTuna activities – focused on 04 vessels – continues (in Nha Trang) it proposed that WWF-Viet Nam supports expansion to 04 additional vessels over a 8-month period, coordinated in consultation with Sea Delight and administered by VinaTuna.

# Objective

The main objective of the assignment is to reduce environmental impacts in the yellowfin tuna FIP through improved data collection of Endangered Threatened and Protected (ETP) species and strengthened ETP species management.

# Tasks

Specific tasks are as follows:

1. Organize and facilitate crew training and periodic training reviews on site, including:

* COPPA introduction and hands-on training
* Teaching fishers methods to ensure reliable data entry and longevity of the phones/app (i.e. best practices to keep waterproof and shockproof etc.)
* Provide instructions to clearing data cache and updating/delisting cookies
* Providing relevant extension materials (e.g. ETP handling techniques; species ID) as needed

1. Initiate COPPA application on 04 more tuna handline vessels. Monitor and ensure the deployment over a 08-month period, with a goal of 40 trips .
2. COPPA Website administration as required
3. Generate quarterly reports (COPPA monitoring) using existing SD methods and formatting i.e.: includes catch data, ETP data, photos of ETP species, boat registration and license info, fishing time, port in/out time and dates; codes (alpha-numeric code generated from Notes section that can potentially be converted to QR code for product)
4. Organize and facilitate a results workshop (1/2 day) including DFISH participation (in consultation with WWF-Viet Nam)
5. Final technical reporting

*Note: The Sea Delight team will review reports and help provide guidance for any operational remediation plans or hardware issue resolution requirements that may arise.*

# Deliverables:

1. Quarterly COPPA reports (excel format) presenting all data and photos as outlined above, ensuring that every fishing trip of participating vessels utilizes the app, and with evidence of No Trip (i.e. notification SMS from fishers) – 04 quarterly reports are anticipated
2. Final technical report detailing:
   * Data summaries (all vessels, all trips)
   * Overall assessment of performance
   * Lessons learned and recommendations (including potential integration with GDST-compliant traceability)

Timeline: 8 months (Nov 15th 2022 – July 15th 2023)

# Draft Budget (USD):

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| **ITEM** | **COST/UNIT** | **TOTAL ESTIMATED COST** |
| Vivo Android Phones with storage cards | 4 at $250/each | $1000 |
| Materials (waterproof protective phone covers; etc.) | 4 at $100/each | $400 |
| Honorariums for fishers | 40 COPPA Trips @ $70/trip | $2800 |
| ½-day Training Workshop (crew training) | Meeting venue; local travel and DSA as required; other associated costs | $750 |
| ½ day Results Workshop (with DFISH participation) incl. participant travel | 2 Round Trip fares from Hanoi; Overnight hotel (2 pax from DFISH); Meeting venue (Nha Trang) and other associated costs | $1350 |
| VT staff Costs (3 staff) | 27 days @ $100/day | $2,700 |
| TOTAL |  | $9,000 |

1. Although coordinated closely with Sea Delight, the planning, products (e.g. COPPA app currently administered by VinaTuna) and results (including trip reports) will be free available to all FIP Participants. [↑](#footnote-ref-1)