

Madrid – April 6, 2010

ICCAT CIRCULAR # 1000 / 2010**SUBJECT: TERMS OF REFERENCE – CALL FOR TENDERS – AERIAL SURVEY ON SPAWNING AGGREGATION (GBYP – 2010)**

Further to ICCAT Circular #857/10, I have the honor to transmit to you the attached the Terms of Reference - Call for Tenders for the “Aerial Survey on Spawning Aggregation” of the ICCAT Atlantic-Wide Research Programme on Bluefin Tuna (GBYP).

This information has been translated to French and Spanish by the ICCAT Secretariat.

Driss Meski
ICCAT Executive Secretary

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Head Scientists (English)**Cooperating Parties, Entities, or Fishing Entities (English):**

Chinese Taipei	T.Y. Tsay, H.Y. Huang, D.R. Lin
Guyana	D. Permaul, V. Joshi
Neth. Antilles	S. Mambi

Attachments: Terms of Reference / Call for Tenders
Budget Components Table (in Excel)
Maps on sub-areas (3)

**TERMS OF REFERENCE
CALL FOR TENDERS
AERIAL SURVEY ON SPAWNING AGGREGATION**

ATLANTIC WIDE RESEARCH PROGRAMME ON BLUEFIN TUNA (ICCAT/GBYP – 2010)

Background and objectives

The comprehensive ICCAT Atlantic-Wide Research Programme on Bluefin Tuna (GBYP) is required to improve basic data collection, our understanding of key biological and ecological processes, assessment models and management.

An important element of this programme is to carry out aerial surveys by transects in the Mediterranean of the spawning population where and when schools are traditionally sighted close to the surface to support the development of fishery-independent indices. As part of this programme, scientific Institutes and public or private entities are asked to submit tenders to carry out the surveys.

Contractor tasks

The Contractor, who will work in close collaboration with the Coordinator of the ICCAT GBYP and its Steering Committee, will conduct aerial surveys of one or more sub-areas covering spawning aggregations, identified in the attached maps, according to the sampling design that will be provided by ICCAT prior to the commencement of the survey (17 May 2010).

The operational budget for the first year survey campaign is sufficient for an estimated total of 69 days airtime (plus a total of 15 days stand-by time for adverse weather conditions). These days will be shared among the various sub-areas, each ranging from about 220 to about 540 square nautical miles. The offer is to specify the following: (a) type of aircraft (adequate for aerial spotting, possibly with upper wings, two propellers and good forward visibility); (b) availability of a professional tuna spotter; (c) availability of a scientific spotter, who pertains to a scientific Institution independent from the fishing industries.

The tender should also include a detailed description of how each sighting will be reported (according to a common form that will be distributed prior to the survey), a preliminary (interim) report to be submitted at the latest by 20 June 2010, and a final report that must be submitted by 3 September 2010, at the latest.

The surveys will be conducted only on bluefin tuna spawning aggregations in the period between 17 May and 18 July 2010, by several aircraft in the various sub-areas, at a spotting altitude of 300 m. The distance covered in a one hour flight should be about 100 nm, with about 6 flight hours per day. It is reasonable to take into account adverse weather forecast of 20% of the days in spring/summer (adverse weather conditions mean winds over 3 or 4 on the Beaufort scale, or low clouds (less than 300 m) or heavy rain, which prevents a reliable observation of tuna schools close to the sea surface).

The tender should be able to provide a GPS recording of all flights and sighting positions, together with the necessary way points when relevant.

Contractor minimum qualifications

- Documented multi-year experience in bluefin tuna studies and/or aerial surveys or censuses of marine populations.
- Availability of an adequate aircraft for aerial spotting, including a technical description of the aircraft, piloted by a licensed pilot having documented experience in this field.
- Availability of at least one professional tuna spotter, who has documented multi-year experience in this field.

- Availability of at least one scientific observer, preferably with previous experience in tuna fisheries or biology, aerial surveys and/or census of marine populations, and who pertains to a scientific Institution independent of the fishing industries and who holds a university degree in one of the following: Fisheries Science, or Marine Biology or Natural Sciences or Biological Sciences or Environmental Sciences or closely related fields.
- Excellent working knowledge of one of the three official languages of ICCAT (English, French and Spanish). A high level of knowledge of English is highly desirable.
- Bank or Insurance guaranty for the amount of the contract, to be provided before the signature of the eventual contract.

Request for bids

Interested entities should submit an offer to the attention of Mr. Driss Meski, the Executive Secretary of ICCAT, at the following address driss.meski@iccat.int by **20 April 2010**, including:

- a. A detailed offer, describing the sub-area(s) where the aerial survey will be carried out (for the identification of the sub-areas, please refer to the attached maps), the type of spotting aircraft to be used for the survey, the minimum number of flight hours to be guaranteed in total, the maximum number of stand-by days, the date for the interim report and the date for the final report;
- b. The curricula of the pilot, the professional spotter and the scientific observer;
- c. The Curriculum of the institution applying for the GBYP Aerial Survey 2010, with any documented experience in aerial survey or marine population survey, to include recent and relevant contracts for the same or similar items and other references (including contract numbers, points of contact with telephone numbers and other relevant information);
- d. A preliminary estimated budget for the aerial survey, taking into account the proportion of the 1°x1° quadrants to be explored over the total of the quadrants where spawning activities were identified on the attached maps, and any discount terms (please use the attached table).
- e. The name, address, and telephone number of the tendering body;
- f. The institutional and administrative background of the tendering body (e.g., statutes, type of institution, annual budget, budget control procedures, etc.).
- g. If the aircraft proposed for the survey does not belong to the tendering body, then a declaration from its owner should be included, to define the availability of the aircraft for this duty and to ensure that the aircraft is properly insured for all risks by a primary insurance company; a copy of the subcontract or MOU should be also provided;
- h. A detailed list of any subcontracting activities;
- i. The declaration that the offering Institution will strictly follow the aerial survey design provided by ICCAT prior to the beginning of the surveys, along with the forms to be used for the survey;
- j. A declaration that all the comments eventually made on the draft final report will be incorporated in the final report prior to the submission to the ICCAT SCRS.
- k. A completed copy of the operating license and authorization (if applicable) and any administrative document, released by the competent public authority, demonstrating that the offering institution is authorized to operate the aerial survey;
- l. A declaration that the offering Institution will provide an insurance guaranty for the full amount of the contract, before its signature;
- m. A declaration that the offering institution will be covered by a full insurance for the aerial survey to be carried out according to the Call for Tenders, excluding the ICCAT from all the responsibilities concerning the job to be done by each offering institution;
- n. Acknowledgment of this Call for Tenders (if applicable);
- o. A statement specifying the extent of agreement with all terms, conditions, and provisions herein included.

Offers that fail to furnish the required documentation or information, or reject the terms and conditions of the Call for Tenders, will not be considered.

Contractors can be either research institutions, such as government or private laboratories, universities, or private consultancy firms or other entities having the qualifications required.

The Contractor should be available to report to any meeting requested by ICCAT.

The ICCAT Secretariat will make a selection of the offers, in consultation with the ICCAT GBYP Steering Committee. Following the selection process, the ICCAT Executive Secretary will notify the entity selected for the contract by the end of April, 2010.

Deliverables to be provided by the Contractor

- 1) A preliminary report to be submitted at the latest by 20 June 2010, including the description of the work carried out up to that date;
- 2) The draft final report to be submitted at the latest by 3 September 2010, including:
 - a. Full description of the work carried out during the aerial survey;
 - b. Detailed description of the methodology;
 - c. Detailed maps of the areas in which the aerial survey was carried out, according to the aerial survey design;
 - d. Maps with the GPS track of the survey, by date;
 - e. Detailed maps of the sightings, with GPS positions;
 - f. Official sighting forms, complete with full details;
 - g. Complete copy of the photos and videos taken during the survey (on DVD), including their reference;
 - h. Scientific report, prepared taking into account the aerial survey design and the relevant literature;
 - i. Summary.
- 3) A PowerPoint presentation of the main results to the ICCAT SCRS 2010 Bluefin Stock Assessment Session or to any other ICCAT SCRS meeting.
- 4) The definitive final report, to be prepared taking into account the eventual comments provided by ICCAT and to be submitted by 22 September 2010 at the latest.

Payment details

Disbursements will be made according to the following schedule:

1. 40% of the total amount of the contract upon signing of the contract;
2. 40% upon completion of the interim report;
3. 20% after the approval of the final report by the ICCAT SCRS upon incorporation of comments by the ICCAT GBYP Steering Committee.

Logistics

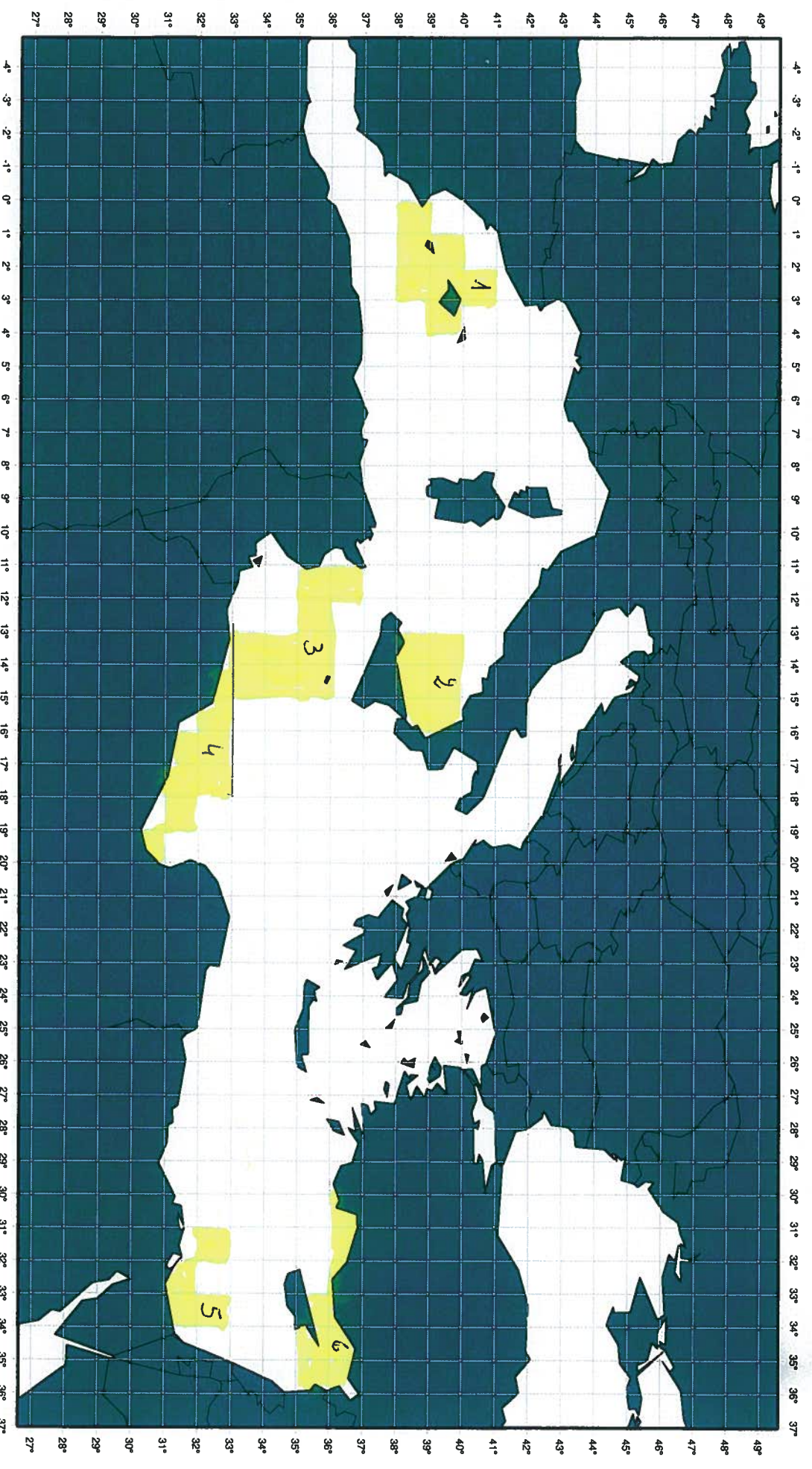
All documents provided by the Contractor must be in MS Word or compatible software, tables must be in Excel format or compatible, figures and pictures must be in JPEG or TIFF format or compatible. All documents submitted must be in English, French or Spanish.

Copyright

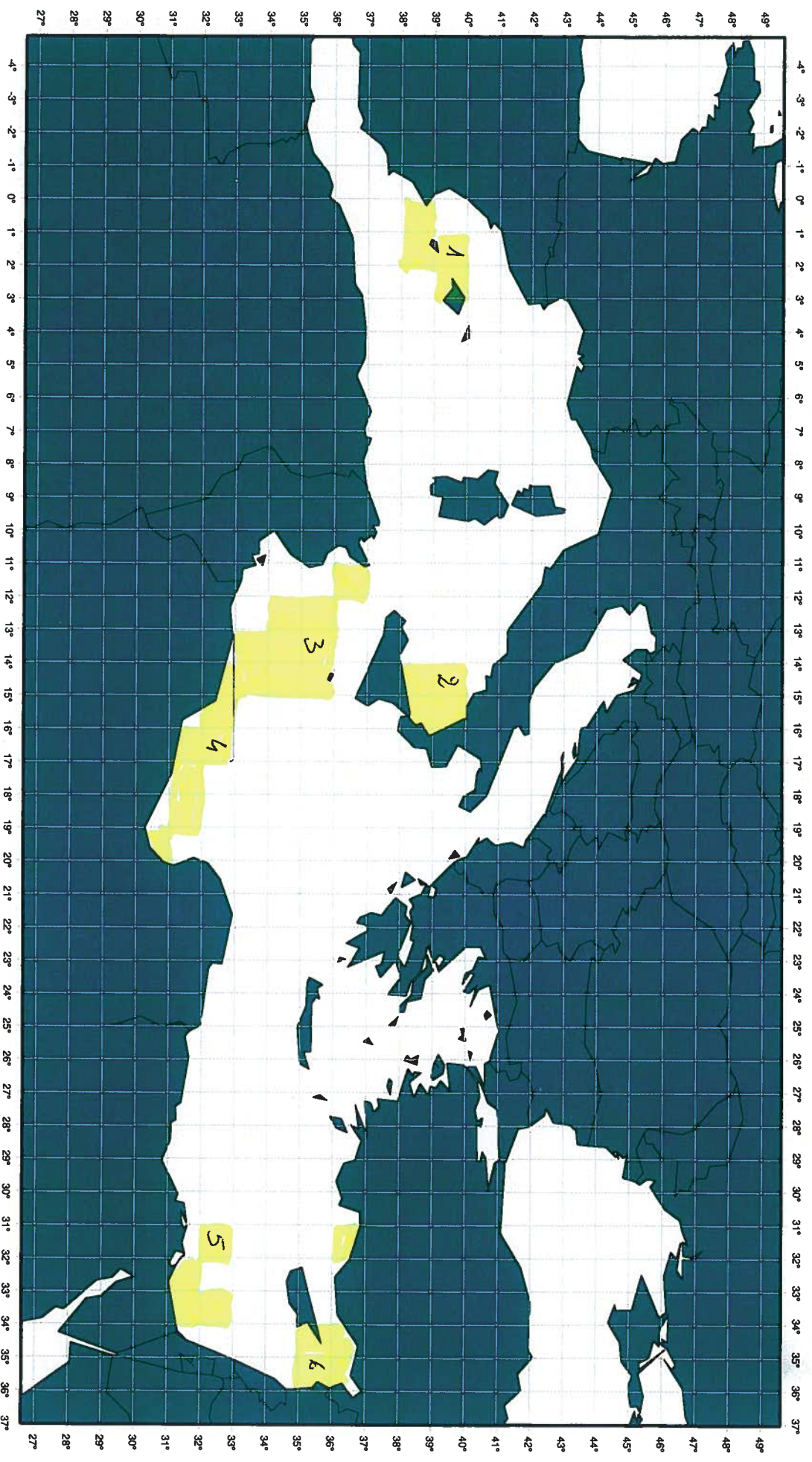
All of the material produced by the Contractor will remain the property of ICCAT GBYP and cannot, in any case, be circulated by the Contractor selected.

For any information concerning this call for tenders, please contact the project Coordinator at the following address: antonio.dinatale@iccat.int

Working map - MED - SPANNING SEASON



Working map - MED - MAY



Working map - MED - JUNE | JULY

