

Guiding terminology for Data Gathering Activities

Submitted by IHO Secretariat

SUMMARY

Executive Summary: This document provides details on proposed terminology to be used to clarify the difference between three separate data gathering methods.

Action to be taken: 4

Related documents: B-12 Edition 2.0.3; CSBWG 9/7/3

Introduction/Overview

1. It has become apparent that there continues to be a degree of confusion and crossover when describing in general terms the different activities for gathering bathymetry in contribution to the IHO CSB initiative, for data basing in the IHO DCDB and through the Nippon Foundation-GEBCO Seabed 2030 Project for the completion of the GEBCO grid.

Discussion

2. It is proposed that the following guidance is considered when describing and differentiating between the three general approaches:

- i. CSB – Random unplanned gathering of depth soundings generated with standard vessel navigation equipment fit of echo sounder and uncorrected GNSS positioning while underway at sea;
- ii. Transit – Pre-planned gathering of depth soundings generated with survey or research vessel equipment fit of multibeam or single beam echo sounder and corrected GNSS positioning, on pre-planned routes in transit to or from sites of operation, may include investigation of navigationally significant features found; and
- iii. Survey – Pre-planned systematic seabed measuring campaign of a specific site of operation in accordance with a specified project or detailed requirement, undertaken by survey vessels fitted with multiple hydroacoustic sensor equipment and high accuracy positioning systems.

Recommendations

3. It is recommended that these explanations are used as guidance to differentiate between activities and therefore how the resultant data could be termed. It is important to note that these are not provided as definitions, which are articulated in official publications

such as B-12 – *IHO Guidance on Crowdsourced Bathymetry* – and S-32 – *IHO Hydrographic Dictionary*.

Action

4. The CSBWG is requested to:
 - a. **Note** the information provided;
 - b. **Propose** any further refinement of the wording provided;
 - c. **Consider** where and how this guidance should be used; and
 - d. **Take** any other actions, as appropriate.