

Changes in Chapter 6 metadata and IHO M-3

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M-3

- ***METADATA FOR OCEANIC SOUNDINGS 4/1932 as amended 85/2008 A5.2***
- ***It is resolved that oceanic soundings, together with the metadata and potential additional***
- ***supplementary information, shall be collected and exchanged mainly in digital form.***
- ***Metadata should comprise at least information on:***
- ***a) the survey in general as e.g. date, area, equipment used, name of survey platform;***
- ***b) the geodetic reference system used, i.e. horizontal and vertical datum; including ties***
- ***to WGS 84 if a local datum is used;***
- ***c) calibration procedures and results;***
- ***d) sound velocity;***
- ***e) positioning information e.g. GPS, RT-DGPS, GLONASS, GALILEO;***
- ***f) tidal datum and reduction (if applicable); and***
- ***g) accuracies achieved and the respective confidence levels.***

★ S-44 Chapter 6

Not covered

- calibration procedures and results;
- positioning information e.g. GPS, RT-DGPS, GLONASS, GALILEO;

Not fully covered:

- the survey in general as e.g. date, area, equipment used, name of survey platform;
- tidal datum and reduction (if applicable); and

Category or Group	Description
Survey Type	e.g. safety of navigation, passage, reconnaissance/sketch examination ★
Technique of vertical / depth measurement	e.g. echo-sounder, multi-beam, diver, lead-line, wire-drag, photogrammetry, satellite derived bathymetry, lidar
Order of survey achieved	In accordance with S-44
Horizontal and vertical datum and separation models used	Including ties to a geodetic reference frame based on ITRS (e.g. WGS84) and epoch information, if a local datum or realisation is used ★★
Uncertainties achieved (at 95% <u>Confidence Level</u>)	For both horizontal and vertical components: <u>THU</u> and <u>TU</u> ★
<u>Feature detection</u> ability	In metres
<u>Feature search</u>	% of survey area searched
<u>Bathymetric coverage</u>	% of survey area covered
Survey date range	Survey's start and end dates ★
Survey undertaken by	Surveyor, survey company, survey authority ★
Data ownership	e.g. funding body, government
Grid attributes	Where a grid is the deliverable (i.e. resolution, method, available layers, <u>uncertainty</u>)

Category or Group	Description
Data density	Description of average or range of density of source data (e.g. number of accepted points per surface unit)
Usage constraints	e.g. none, classified, not for navigation, or restricted

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CENTRALIZATION OF OCEANIC SOUNDINGS 3/1929 as amended IHO A-1 A5.3

1 Full details of the information required to accompany data, and the criteria for its quality control, are contained in the GEBCO Cook Book (IHO Publication B-11).....

This is for deliveries of data to DCDB. B11 can be changed at any time as it is maintained by GEBCO and hosted at NOAA.