



# Resolutions of the IHO – Repertory of Resolutions (M-3)

## The Resolutions of Relevance to TWCWG



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# INTRODUCTION



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- At TWCWG 4 it was decided that the technical resolutions relevant to this working group be updated if necessary.
- The Netherlands, Germany, France, Peru, The USA and South Africa made significant contributions.
- Significant update was changing all the *IHB's* to *IHO* and the *TWLWG's* to *TWCWG*.
- Two new resolutions were proposed.



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# AMMENDMENTS TO BE APPROVED



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- A2.8 - USE OF TERMS "TIDE", "TIDAL STREAM" AND "TIDAL CURRENT"
- A2.9 - DESCRIPTION OF CURRENTS AND TIDAL STREAMS
- A6.1 - EXCHANGE OF TIDAL INFORMATION
- A6.3 - ISSUING AUTHORITIES FOR TIDAL PREDICTIONS
- A6.4 - EXTENSION OF WORLD NETWORK OF TIDAL OBSERVATIONS
- A6.5 - STUDY OF MEAN SEA LEVEL
- A6.6 - GEOGRAPHICAL POSITIONS OF TIDE STATIONS
- A6.8 - NATIONAL TIDAL CONSTITUENT BANKS



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# PROPOSED NEW RESOLUTIONS



International Hydrographic Organization

## • A6.10 - Metadata for Tide recordings

Metadata for Tide recordings			A6.10
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1. It is recommended that Hydrographic Offices should store the following metadata information for each location for which tide data is recorded and stored:

- a) Location identification by number, name, country, body of water, and geographic or GPS/GNSS coordinates;
- b) Equipment make and model, date installed, time zone, and duration of data collection;
- c) Identification of geodetic levelling datum, and date of reference to this datum, elevation of mean sea level and, where applicable, the connection to and identification of the appropriate bench mark(s); and
- d) Periods of data available and periods of missing or unusable data

## • A6.11 - Metadata for Current recordings

Metadata for Current recordings			A6.11
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1. It is recommended that Hydrographic Offices should store the following metadata information for each location for which currents data are recorded and stored:

- a) Location identification by number, name, country, body of water, geographic or GPS/GNSS coordinates, and depth, including which datum it is applied to;
- b) Equipment make and model, including frequency, date installed, time zone, and duration of data collection;
- c) Periods of data available and periods of missing or unusable data;
- d) Orientation (upward, downward or horizontal); and
- e) For profiles, the size and number of data cells.



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# QUESTIONS RAISED



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- Resolution A6.1 (From Norway)
  - It is resolved that published tidal information shall be freely exchanged **between Member and Associate Member States**. The exchange of tide and tidal current observations and predictions, **as well as information related to places with vertical references measured after a nodal cycle**, shall be made, as far as possible, in a form directly usable in electronic computers **operating systems**, and according to standards approved by all Member States
- From a South Africa perspective.
  - If a negligible tide is less than 30cm (as defined in resolution A2.5), then what is classified as a negligible tidal current/stream?
  - Should this not also be included in the resolutions somewhere?



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# **ACTION REQUIRED**



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- To vote on the changes/ recommendations and proposed new resolutions.
- To get approval from HSSC on the updates to the TWCWG Technical resolutions.



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**QUESTIONS?**



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