



IHO File No S3/8151/S-100

CIRCULAR LETTER 40/2022
19 October 2022

ADOPTION OF EDITION 2.1.0 OF IHO PUBLICATION S-102
BATHYMETRIC SURFACE PRODUCT SPECIFICATION

Reference:

- A. IHO CL 21/2022 dated 15 June – *Call for approval of Edition 2.1.0 of IHO Publication S-102 – Bathymetric Surface Product Specification.*
- B. Decisions and Actions of HSSC14 (May 2022).

Dear Hydrographer,

1. Reference A proposed the adoption of Edition 2.1.0 of IHO Publication S-102 - *Bathymetric Surface Product Specification* – as recommended by the IHO S-100 Working Group (S-100WG) and endorsed by the IHO Hydrographic Services and Standards Committee (HSSC). In addition, Reference A requested approval to suspend the requirement for S-102 to strictly comply with IHO Resolution 2/2007 as amended until Edition 3.0.0, which will then become the operational Edition of this standard, as also endorsed by the HSSC (see reference B).
2. The Secretariat of the IHO thanks the 35 Member States that replied to Reference A: Algeria, Australia, Belgium, Brazil, Canada, Chile, Colombia, Cuba, Cyprus, Denmark, Estonia, Finland, France, Germany, Greece, Indonesia, Iran (Islamic Republic of), Ireland, Italy, Japan, Morocco, Netherlands, New Zealand, Norway, Peru, Poland, Portugal, Republic of Korea, Singapore, Slovenia, South Africa, Sweden, Tunisia, United Kingdom of Great Britain and Northern Ireland, and the United States of America.
3. All thirty five Member States supported the adoption of Edition 2.1.0 of S-102 and two Member States offered supportive comments in addition to their vote. These comments and the outcome of their review by the Chair of the S-100WG and the IHO Secretariat are provided in Annex A to this Circular Letter.
4. Thirty four member states supported the suspension of the requirement for S-102 to strictly comply with IHO Resolution 2/2007, as amended until Edition 3.0.0 and three Member States offered comments in addition to their vote. These comments and the outcome of their review by the Chair of the S-100WG and the IHO Secretariat are also provided in Annex A to this Circular Letter.
5. When Reference A was issued, there were 98 Member States of the IHO with three States suspended. In accordance with the provisions of the Convention on the IHO as amended, the minimum number of affirmative votes required is 31. As a result Edition 2.1.0 of

S-102 has been adopted and S-102 has been suspended from the requirement to strictly comply with IHO Resolution 2/2007, as amended, until Edition 3.0.0.

6. The final version of Edition 2.1.0 of S-102 has been published on the IHO website > Publications > Standards and Specifications (<https://iho.int/en/standards-and-specifications>).

On behalf of the Secretary-General
Yours sincerely,

A handwritten signature in black ink, appearing to read 'Abri KAMPFER', written in a cursive style.

Abri KAMPFER
Director

Annex A: Member States' responses to IHO CL 21/2022 and comments from the IHO Secretariat.

**MEMBER STATES' RESPONSES TO IHO CL 21/2022
AND COMMENTS FROM CHAIR OF THE S-100 WORKING GROUP (S-100WG) AND
THE IHO SECRETARIAT**

**ADOPTION OF EDITION 2.1.0 OF IHO PUBLICATION S-102 –
BATHYMETRIC SURFACE PRODUCT SPECIFICATION**

1. Do you approve the adoption of Edition 2.1.0 of S-102?

FRANCE (Vote = YES)

(Original comments in French, tentative translation provided by IHO Secretariat)

Some critical points still need to be developed in order to reach the necessary maturity for an operational version of the standard: metadata to be set and made more reliable, data representation of the data to be consolidated (especially with a view to interoperability), data sets and test procedures to be built. It is important to give priority to interoperability, in accordance with S-98, in particular with S-101 products used for navigational safety.

Comments by S-100WG Chair/IHO Secretariat:

The S-100WG Chair/IHO Secretariat thanks France for their comments. It is acknowledged that more work still needs to be done and this will be the next step towards the development of Edition 3.0.0 of S-102, as well as the S-98 Interoperability Specification and S-164 Test Datasets for ECDIS.

INDONESIA (Vote = YES)

The S-102 product is very useful for many maritime stakeholder.

Comments by S-100WG Chair/IHO Secretariat:

The S-100WG Chair/IHO Secretariat thanks Indonesia for their comments.

2. Do you approve the suspension of the requirement for S-102 to comply with IHO Resolution 2/2007 as amended until Edition 3.0.0 so as to allow for iterative development and testing?

CANADA (Vote = NO)

Canada disagrees with this special process for S-102. S-102 services and processes are in place with compliance with version 2.1 in Canada. - Major investments were required to meet that milestone from producer to user.

Comments by S-100WG Chair/IHO Secretariat:

The S-100WG Chair/IHO Secretariat thanks Canada for their comments. The S-100WG has made it clear to the IHO Member States over the past 2 years that Edition 2.1.0 of S-102 will not be at operational maturity according to S-100 Readiness Levels in S-97. In particular, it must be noted that Edition 2.1.0 of S-102 has not been baselined against Edition 5.0.0 of S-100, which is considered by the IHO to be an operational version of S-100 for implementation

in navigation systems. Exempting S-102 from the requirement to comply with the approval processes outlined in Resolution 2/2007 will enable a more streamlined iterative development process for S-102 to be achieved in moving towards Edition 3.0.0.

FRANCE (Vote = YES)

(Original comments in French, tentative translation provided by IHO Secretariat)

It is important to focus on version 3.0.0 to quickly reach an operational version of the standard.

Comments by S-100WG Chair/IHO Secretariat:

The S-100WG Chair/IHO Secretariat thanks France for their comments.

INDONESIA (Vote = YES)

Agree, this will speed up and allow for iterative development of revised Edition of S-102.

Comments by S-100WG Chair/IHO Secretariat:

The S-100WG Chair/IHO Secretariat thanks Indonesia for their comments.