

**Paper for Consideration by NCWG
Future options for INT1**

Submitted by:	INT1 subWG (Secretary)
Executive Summary:	An overview of discussion so far by INT1 SubWG on topic of Future options for INT 1.
Related Documents:	INT1
Related Projects:	None

Introduction / Background

1. The INT1SubWG has been tasked by NCWG chair to consider HSSC11 action 45 and report back to the NCWG.
2. *“HSSC11/45 - HSSC noted the discontinuation of the maintenance of INT-1 (English version) by Germany and invited NCWG to investigate the possible options and consequences for the future of the 3 INT-1 versions (English, French, Spanish), investigations should include, a web service version of this publication making benefit of the S-100 Portrayal Registry, freezing the current versions, or the hand-over by another HO.” TARGET DATE NCWG5 / HSSC 12*
3. The INT1 SubWG have ongoing discussions via email correspondence regarding potential options. We are seeking a solution to ensure that production of INT 1 English language version continues after Germany ends maintenance in April 2020. This report provides an update on the ideas so far.

Analysis / Discussion

4. INT 1's primary purpose is to provide mariners with a convenient way of identifying and understanding the meanings of the symbols shown on INT charts. Its secondary purpose is to act as a guide to INT symbols for marine cartographers.
5. The INT 1 SubWG realises the need to consider the different requirements of mariners and cartographers and seeks to create a solution (or solutions) that fulfils the needs of both user groups.
6. The paper publication of INT 1 is a reliable and well understood product that is appreciated by the mariner. It does not rely on internet access so there is no reliability or downloading issues for the user. It does require updating by hand if an update is issued.
7. As digital charting and standards continue to develop and we consider the future of the paper nautical chart, we have an opportunity to improve INT 1 for the benefit of Hydrographic Offices. A digital solution could provide benefits of improved access and file management by closer integration with the documentation of other IHO standards.
8. One of the options being considered is the possibility of creating a shared symbol library to be used in production systems that combines S52, S-100 portrayal registry and INT 1 symbols in one place. The location and maintenance of this digital repository could potentially be held by the IHO.
9. Talks are ongoing to find another Hydrographic Office to continue publishing the English language INT 1. The UK has recently been in discussion with Germany and NCWG Chair regarding this and NCWG5 will provide an opportunity to meet and discuss further.

Conclusions

10. The INT1 subWG will continue to develop some options for the future of the three INT1 language publications. We will continue to report progress to the NCWG chair so that NCWG may deliver a report on this action at HSSC12.

Recommendations

11. INT1 SubWG to continue further discussions and investigate all options available.

Justification and Impacts

12. INT 1 English language version is immediately affected and needs a solution very soon. The Spanish and French INT 1 versions are still ok and are not immediately affected. Potentially a new digital solution may impact other standards such as S-100 and S-52.

Action required of NCWG

13. The NCWG is invited to:
 - a. note this report of the INT1 subWG