

2nd NCWG MEETING
Monaco 26-29 April 2016

Paper for Consideration by the Nautical Cartography Working Group (NCWG)
Review of New INT Charts by INT Charts Coordinators

Submitted by:	IHB (ADCS)
Executive Summary:	HSSC-7 tasked NCWG to prepare a “ <i>basic quality assurance check-list for review of INT charts</i> ” (Work Item B4) in application of the experimental procedure reported in IHO CL 64/2015. This paper provides an initial draft of the check-list, for discussion and amendments.
Related Documents:	S-4 Edition in force Digital Reference Tool for Cartographers (DRTC) S-11 Part A and Part B IHO CL 64/2015 – <i>Revised Management, Review and Monitoring of New INT Charts</i> .
Related Projects:	Workshop for INT Charts Coordinators (25 April 2016) and possible subsequent inputs.

Introduction / Background

1. The new two-year trial procedure for the review of new INT charts is described in IHO CL 64/2015. In order to facilitate the work of the Regional INT Chart Coordinators (or ICCWG) in implementing this procedure, the Hydrographic Services and Standards Committee (HSSC), at its 7th meeting, tasked the NCWG to prepare a “basic quality assurance check-list template” for use by INT Chart Coordinators/ICCWG in support of the review of new INT charts. Following the experimentation, and depending on the feedback reported by the RHCs, the possible revision of Article 19 of the IHO General Regulation and IHO Resolution 1/1992 (*Monitoring of INT Charts*) will be considered.

Analysis / Discussion

2. The review depicted in IHO CL 64/2015 deals with newly produced INT Charts only. It is therefore assumed that the initial consultation process, as recommended in S-11 Part A for INT Charts schemes, has been completed (New draft S-11 Part A as [NCWG2-10.1A](#), Appendix 1, section 3.10.1 refers).

3. At reception of new INT Charts, the tasks carried out by INT Chart Coordinators in the review process should remain basic and straightforward. This is the reason why it is proposed to simply use the template provided in Annex (initial draft for discussion). This check-list is established as minimum guidelines and should be used in conjunction with S-4, S-11 and the DRTC.

4. During the experimental procedure, there is no need to duplicate current standards or add sections to them. A final template will be prepared as soon as the comments from NCWG Members and INT Charts Coordinators have been considered. At the end of the trial, a global submission will be made to IRCC, including the final version of the basic check-list for INT Charts Coordinators and addressing the need or not to amend the relevant IHO General Regulations and/or Resolutions.

5. It is noted that INT Charts Coordinators have no authority to prevent the publication of any new INT Charts. Their role is limited to providing recommendations to the INT Chart Producer, if deemed necessary, and to reporting to the Chair of their Regional Hydrographic Commission and the IHB on the outcome of the review process.

Conclusions

6. The objective of the basic check-list, provided in Annex for initial comments and discussions at NCWG-2 and during the workshop for INT Chart Coordinators on 25 April 2016, is to facilitate and standardize the review of new INT Charts by INT Charts Coordinators. It can be used as well as supporting document during ICCWG meetings and for their reports prior to RHCs’ meetings/conferences.

Recommendations

7. It is suggested that NCWG Members, as subject matter experts, put themselves in the role of an

INT Chart Coordinator, reviewing a new INT Chart and providing an assessment report to the INT Chart Producer and the RHC. In this role, they are invited to use the draft template provided in Annex for making comments, if possible **by 15 May**.

8. If the INT Chart xxxx under review presents no major issue with respect to S-4, S-11, then this process should be followed by an update of the S-11 Part B database by the INT Chart Coordinator (INT Chart No xxxx moving from Status "*Schemed*" to "*Produced*") through the on-line INT Chart Web Manager. If anomalies are identified, the procedure in the above section 5 applies.

Justification and Impacts

9. Procedure developed as required by HSSC. As it is drafted, it is pretty straightforward and should not require a significant additional workload on INT Chart Coordinators, while providing effective effects.

Action required of NCWG

10. The NCWG is invited to:

- a. **Note** the paper,
- b. **Review** the proposal in Annex,
- c. **Provide** the IHB with amendments as appropriate.
- d. **Report** to HSSC on the progress made on work item B4, prior to IRCC-8 if possible (15 May 2016?).

Basic check-list for INT Chart Coordinators when reviewing new INT charts

(version 1 April 2016)

- References:
- A. S-4 and INT-1,2,3, Editions in force
 - B. S-11 Part A, Edition in force
 - C. Digital Reference Tool for Cartographers
 - C. IHO CL 64/2015 - *Revised Management, Review and Monitoring of New INT Charts.*

Extract of S-4, Edition 4.6.0

“...

- A-104.1** An ‘INTERNATIONAL (INT) CHART’ is a chart which:
- a. is produced with limits and scale in conformity with an internationally agreed scheme of such charts
 - b. carries the INT number of that sheet,
 - c. conforms to the Chart Specifications of the IHO (S-4 Parts B and C),
 - d. conforms to the Regulations of the IHO for International Charts (S-4 Part A).
- ...”

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Topic	Compliant with RHC's decisions and/or IHO standards (yes / no)	Comments by INT Chart Co-ordinator
<i>Step 1 – Compliance with the regional INT chart agreed scheme</i>		
INT Chart Number		
Limits		
Scale		
Projection, Horizontal Datum and Vertical References		
Dimensions		
<i>Step 2 – Maintenance regime – Consistency and Impact with ENC coverage</i>		
Maintenance regime in place by the producer nation (new Editions, NtMs...)		
Consistency with ENC coverage in the area (transition plan, updates by the same producer or established agreement for data exchange, etc.)		
<i>Step 3 - Content</i>		
Symbols and abbreviations		
Title, crests, source diagram, notes,		

Topic	Compliant with RHC's decisions and/or IHO standards (yes / no)	Comments by INT Chart Co-ordinator
language		
Graduations, grids		
Reference to plans and adjacent charts,		
Overlaps and consistency with adjacent charts (<i>if possible</i>)		
Limits and areas, traffic separation zones, PSSA		
Soundings, depth contours and associated tints		
Aids to navigation, IALA maritime buoyage region		