

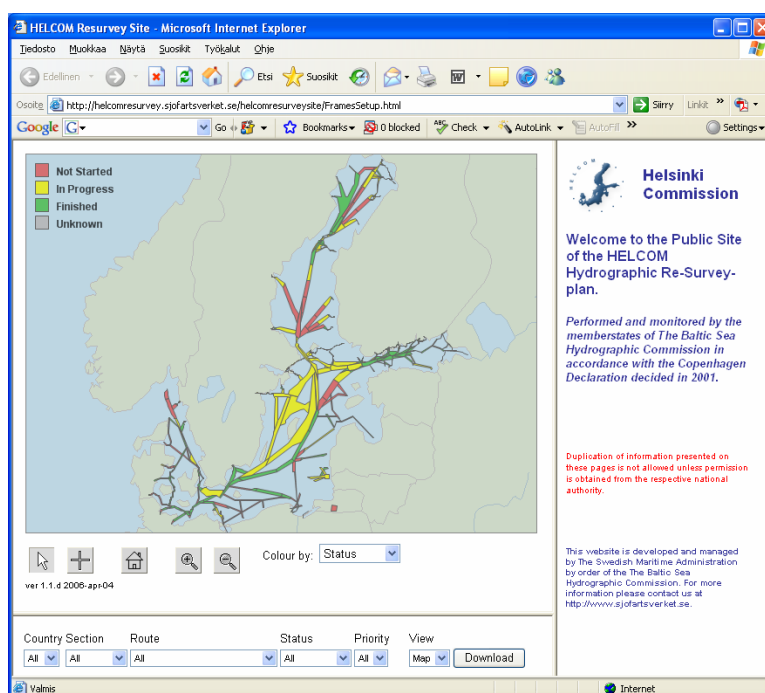


International Hydrographic Organisation

Baltic Sea Hydrographic Commission

Baltic Sea Harmonised Hydrographic Re-Survey Scheme

[Version 2.0, 20 August 2008]



The Hydrographic Offices of Denmark, Estonia, Finland, Germany, Latvia, Lithuania, Poland, Russia and Sweden have developed this Scheme during 2002 - 2008.

This Scheme has been approved on BSHC 13th Conference on 19-21 August 2008.

Contents

1. Introduction	3
1.1 Background.....	3
1.2 Scope and aims.....	3
2. Baltic Sea Harmonised Re-survey Scheme	3
2.1 Principles used for the Re-survey Scheme	3
2.2 Routes and areas according to the HELCOM Copenhagen Declaration.....	4
2.3 Routes and areas according to national survey Schemes	4
2.4 Harmonisation of Re-survey Schemes.....	4
2.5 Prioritized time schedules of Re-surveys	4
3. Use of re-survey data	5
3.1 Principles of distribution of the re-surveys data	5
3.2 Principles of presentation of the re-survey data	5
4. The implementation of the Re-survey Scheme.....	5
4.1 Implementation of the Scheme	5
4.2 Monitoring the implementation of the Re-survey Scheme.....	5
4.3 Re-survey database	5
References:	6
Annexes:	6

1. Introduction

1.1 Background

The HELCOM Copenhagen Declaration was adopted on 10 September 2001 by the HELCOM Extraordinary Ministerial Meeting [1]. It was included also as a *Regulation 9 Paragraph 1. b)* into the HELCOM Convention entering into force on 1 December 2002 [2].

The requirement of the re-survey Scheme is written into the Copenhagen Declaration in *Paragraph III. a)* as follows:

a) Re-surveying of major shipping routes and ports

- *by requesting the Governments of the Contracting Parties to develop a scheme for systematic re-surveying of major shipping routes and ports in order to ensure that safety of navigation is not endangered by inadequate source information. The survey shall be carried out to a standard not inferior to the latest edition of IHO S-44. The scheme shall be elaborated jointly by the hydrographic services responsible for the areas in question not later than by the end of 2002 with the aim to begin implementation by 2003,*

The BSHC approved Version 1.0 of Harmonised Hydrographic Re-Survey Plan in December 2002.

The BSCH also established 2002 a working group to monitor the implementation of the re-surveys (MWG).

On its meeting in May 2008 the MWG decided to propose a major revision of the harmonised re-survey scheme and has developed Version 2.0 of the scheme.

1.2 Scope and aims

The purpose of this Scheme is stated in the HELCOM Copenhagen Declaration *by stating that "in order to ensure that safety of navigation is not endangered by inadequate source information."*

Also other areas will be included to cover other IMO and IHO defined or national safety of navigation purposes.

2. Baltic Sea Harmonised Re-survey Scheme

2.1 Principles used for the Re-survey Scheme

This Scheme has been prepared according to the following basic principles:

- This Scheme will concentrate only on the hydrographic surveys.
- Common understanding of the HELCOM Copenhagen Declaration is: All routes are to be re-surveyed, if the old survey data cannot be interpreted according to the IHO S-44 standard.

-
- The new S-44 Ed.5 will be applied in future surveys with the principle that where Order 1 survey is required, the survey should fulfil new Order 1a requirements.
 - Each country is responsible for the interpretation of the IHO S-44 and compliance of its data regarding its own surveys.
 - The main and secondary routes and ports are defined mainly by the traffic volumes of dangerous goods and passengers.
 - As a general guideline the width of the routes in coastal areas should be at least two nautical miles; for open sea areas 6 nautical miles. The actual width of the routes and areas will be described in the Scheme.
 - The S-44 feature detection requirement for Order 1a up to 40 metres should be interpreted bearing in mind the maximum draft of Danish Sounds.

2.2 Routes and areas according to the HELCOM Copenhagen Declaration

Each country has specified the main and secondary routes and ports in its area of responsibility. Originally these routes were based on the list of main ports used as a background document for Copenhagen Declaration [3]. The routes and areas have been updated and extended by the MWG members. These are routes and areas included in the MWG database. [These are called as Category A.1 areas].

2.3 Routes and areas according to national survey Schemes

The HOs have various time schedules to complete the re-surveys, some of them extend beyond 2020. Possible means to enhance and foster the implementation of the re-surveys should be studied. These could be the possibilities to utilize the capacity more effectively, possibilities to get extra funding for speeding up the re-surveys, etc. [if these areas are specified by safety of navigation reasons, these are called as Category A.1 areas; if for other reason, then Category B areas].

2.4 Harmonisation of Re-survey Schemes

There are still issues to be harmonised, e.g. differences on the width of routes and disjoint sections. All HOs will make necessary action to harmonise the routes and areas between neighbouring countries.

Bilateral or multilateral negotiations between the HOs of the neighbouring countries may be needed.

2.5 Prioritized time schedules of Re-surveys

Each HO is responsible for setting prioritised time schedules re-surveys under its responsibility. Especially the following general principles should be considered:

- importance for international and regional traffic
- depth and expected shallows or obstructions
- quality and up-to-dateness of previous surveys
- importance for other uses

3. Use of re-survey data

3.1 Principles of distribution of the re-surveys data

The re-survey data will be processed as soon as feasible to the appropriate nautical charts and products, basically to printed charts and ENCs. The quality of information on data should be transferred with the data.

Other possible exchange and distribution of the re-survey data should be agreed within the Bilateral Arrangements between the HOs.

3.2 Principles of presentation of the re-survey data

Wherever possible, common symbology (based on IHO specified symbology) for marking re-surveyed areas on printed nautical charts should be used.

On ENCs the resurveys should be shown by CATZOG-areas.

4. The implementation of the Re-survey Scheme

4.1 Implementation of the Scheme

Each HO will implement the Harmonised Re-survey Scheme in its area of responsibility.

Necessary co-operation between the HOs will be discussed on bilateral negotiations and agreed on Bilateral Arrangements.

4.2 Monitoring the implementation of the Re-survey Scheme

The existing BSHC Working Group, **BSHC Re-survey Monitoring Working Group** will continue with revised TORs and ROPs. These are given in [Annex 1](#).

4.3 Re-survey metadata database

Sweden created a common web-based database of the routes and areas included in this Scheme. This database contains metadata of re-surveys.

The HOs shall make links to this Scheme on their national web pages.

The database has been linked as a regional extension to the IHO S-55 database.

The re-survey data is processed and stored by each HO.

References:

- [1] HELCOM Copenhagen Declaration, 10 September 2001
- [2] AMENDMENTS TO ANNEX IV "PREVENTION OF POLLUTION FROM SHIPS" TO THE HELSINKI CONVENTION. HELCOM Recommendation 22E/5, 10 September 2001
- [3] Major shipping routes and harbours. HELCOM EXTRA PREP 3/2001 Document No. 2., 3 August 2001.

Annexes:

1. TORs and ROPs for the BSHC Re-Survey Monitoring Working Group
-

Terms of References and Rules of Procedures for the BSHC Re-survey Monitoring Working Group

[Approved by the BSHC 13th Conference on 20 August 2008]

Considering the need to monitor the implementation of the Baltic Sea harmonised re-survey scheme developed as requested by the HELCOM Copenhagen Declaration 2001, the Baltic Sea hydrographic Commission has established the **BSHC Re-survey Monitoring Working Group** with the following terms of Reference and Rules of procedure.

1. Terms of Reference

- 1.1 To maintain the Baltic Sea Harmonised Re-survey Scheme
- 1.2 To maintain the re-survey metadata database
- 1.3 To follow up the implementation of the Harmonised Re-Survey Scheme
- 1.4 To identify possible problems and propose solutions or workarounds to them
- 1.5 To specify and propose updates and changes to the Harmonised Re-Survey Scheme
- 1.6 To liaise with national Maritime Administrations, HELCOM Secretariat, and other relevant organisations.
- 1.7 The MWG should report to the BSHC at least once a year.

2. Rules of Procedure

- 2.1 Each country around the Baltic Sea shall nominate a representative to the MWG. The representatives should be experts in the field of hydrographic survey.
- 2.2 The MWG shall work mainly by correspondence, preferably by e-mail.
- 2.3 Meetings shall be arranged when found feasible.
- 2.4 The Chair and Vice-Chair shall be members of the Working Group [and nominated by the BSHC].
- 2.5 With the Chair's approval non-members may attend the MWG meetings.
- 2.6 Decisions should be made by consensus.