

20th Baltic Sea Hydrographic Commission Conference

16 – 18 September 2015

Saint-Petersburg, Russian Federation

FINAL MINUTES

A. Opening Formalities

A.1 Opening of Conference

Documents: BSHC20 list of participants, BSHC list of documents

The BSHC Chair Mr. Jānis Krastiņš welcomed everyone – hosts, participants and especially the IHB Director Rear Admiral (Ret) Mustafa Iptes to the 20th Conference of the Baltic Sea Hydrographic Commission and noted that this is the anniversary year – the 20th Conference. He also thanked all members for the documents prepared and submitted for the Conference.

The Chair thanked the hosts for an ice-breaking reception in the Happy Pushkin Hotel and expressed hope to have fruitful work in a constructive and productive manner during the Conference.

A.2 Welcome from the host country

Documents: BSHC20 A2 Programme

The head of the Russian Federation delegation, Capt. Sergey Travin welcomed all delegates to St. Petersburg and wished all to have a productive work session. He pointed out the importance of the Conference and BSHC input in the development of safe navigation in the Baltic Sea region.

Welcome from the IHO director

The IHB Director Iptes welcomed all participants to the Conference. He emphasized the great importance of the Conference in regional development and successful BSHC work, which is a good example for the other regional commissions, and great support in IHO activities.

A.3 Adoption of the Agenda

Documents: BSHC20 A3 Agenda

The Draft Agenda was amended due to the absence of German and Danish delegates during Session 1. It was decided to move the Agenda items B.3.1. and B.3.4. to later sessions. Conference also agreed to discuss the Agenda Items B.4 and B.5 when all Member States of BSHC are present.

Delegation of the Russian Federation invited to allocate time for the presentation: "World round trip of research vessel "Admiral Vladimirsky", with the approval of the Conference, it was agreed to address this item under Agenda Item E – Any other business.

Danish delegation proposed to provide a presentation of the new production line – it was also accepted to be included under Agenda Item E – Any other business

A.4 Minutes and Actions from BSCH 19th Conference

Documents: BSHC20 A4 BSHC19 Final Minutes,

BSHC20 A5 BSHC19 Action List

Final Minutes of the 19th BSHC Conference was approved without comments.

List of Actions of the 19th BSCH Conference was reviewed and all items were considered as done or on-going.

B. IHO Work Program 1 – Corporate Affairs

B.1 Information about activities of the IHB

Documents: BSHC20 B1 IHB

The IHB-Director Iptes provided the report on IHB activities.

He reported on the status of approval of the Amendments to the IHO Convention and mentioned that all IHO Member states of the BSHC have approved the Protocol of Amendments to the Convention on the IHO.

IHB-Director Iptes invited all MS to respond to the IHO CLs, as not responding to Circular Letter, which requires a vote, is equivalent to voting NO.

Lithuania is the only state in the Baltic Sea area that is not a member state of the IHO. The BSHC Chair Mr. Jānis Krastiņš informed that Lithuania might be interested in joining the Organization and Director Iptes offered to send a IHO letter to high level officials in Lithuania, in order to, once again, invite them to join the IHO as a Member state.

IHB -Director Iptes also provided an update on the development of IHO GIS and C-55 databases status. The RENCs have been tasked to seek consent of their members to provide CATZOC information for inclusion in C-55.

IH-Director Iptes informed that World Hydrography Day 2015 was intended to raise public awareness about the lack of useful bathymetric data and limited knowledge of seafloor and potential hazards. Member states were invited to provide to the IHB any material about the WHD-2015 celebrations. Approved theme for the WHD2016 will be “Hydrography is the key to well managed seas”.

In conclusion, Mr. Iptes invited members to provide updates to S-11 Part B and review entries in IHO publications C-55 and P-5 (Yearbook) at least annually.

Action #1 Update each nations data in C-55 and entry in Yearbook (All MS)

B.2 Outcome of IRCC7 meeting

Documents: BSHC20 B2 IHB

IHB D-Director Iptes provided the report and outcome of the Inter-Regional Coordination Committee’s 7th meeting, took place in Mexico, from 1 to 3 June 2015. The summary of the IRCC-7 report are as follows:

The IRCC reviewed reports and activities of the RHCs and subordinate bodies, considered the outcomes of the EIHC-5, and reviewed the Capacity Building program, examined developments of Crowd-Sourced Bathymetry, and considered WEND related issues.

The Committee established the Crowd_Sourced Bathymetry Working Group (CBSWG) and approved ToRs and chair of WG Ms. Lisa Taylor (USA).

The Committee considered revision of ToRs and Rules of Procedures to include chairs of MSDIWG and CBSWG as members of the Committee.

The Committee also agreed on an experimental procedure for monitoring and validating new INT Chart Production. The Procedure will be implemented by Regional INT Chart Coordinators or INT Chart Coordination WG and run for two years before further evaluation.

The Committee decided to include topic of satellite-derived bathymetry as standing agenda item in al IRCC meetings.

The Committee acknowledged the accomplishments and challenges regarding Capacity Building Program and IBSC activities. The Committee approved the CB work program, the IBSC work plan and the new IHO Publication S-5B-Standards of Competence for Hydrographic Surveyors.

The Committee reviewed the WEND Principles and Guidelines for its implementation, ENC Coverage, information overlay issues and proposals arising from the WEND WG report. The Committee approved WENDWG Work Program for 2015-2016.

The IRCC agreed on the need of updates to IHO publication C-16 National Hydrographic Regulations and acknowledged the need to provide wider access to bathymetric data.

Mr. Iptes informed that the current Chair of IRCC has stepped down due to his retirement. Current Vice-Chair Dr. Oei is assuming to take position of the Chair, and Rear Admiral Greg Glang (USA) was elected as the new Vice-Chair.

Mr. Iptes also informed that the next meeting will be held in Abu Dhabi (UAE) 29-31 May, 2016.

B.3 National Reports

B.3.1. National report of Denmark.

Documents: [BSHC20 B3 National Report Denmark](#)

Representative of the Danish Geodata Agency, Mr. Jens Peter Weiss Hartmann, presented the report on the latest hydrographic activities. On August 1, 2014 new internal structure of the Danish Geodata Agency was implemented to improve services and organization or work. The report provides information on the coverage of new hydrographic surveys, including Greenland waters. The Priority is to resurvey Greenland waters, placing the main emphasis on most popular areas for cruise ships on the West Coast.

During the 2015 survey season, Danish Geodata Agency launched a pilot project for testing the feasibility of surveying directly on the spheroid. Numerous tide gauges were set up with the purpose of tying local LAT levels to a general LAT model. Results are expected in 2015.

It was reported that hydrographic surveys have discovered a big rock in Kattegat. That caused the change of displayed depth on the respective navigational charts from 13.2 to 8.7 meters.

B.3.2. National report of Estonia

Documents: [BSHC2 B3 National Report of Estonia](#)

Mr. Taivo Kivimäe introduced the report on activities of Estonian Maritime Administration. He informed about the new Director-General Mr. Rene Arikas, the status of hydrographic surveys, nautical charts and web-based services. Mr. Kivimäe announced the development of the new WMS web page for smart devices starting 2015 (not for navigation).

Delegates from Latvia and Sweden asked questions about the availability of data for download via WMS services and invited to consider possible implications with respect to the EU PSI Directive. Mr. Kivimäe informed about existing procedure and future possibilities.

B.3.3. National report of Finland

Documents: BSHC20 B3 National Report of Finland

Mr. Rainer Mustaniemi reported on the latest activities and achievements of the Finnish Hydrographic Office. The new survey plan 2020 has been approved in Finland. The Conference was informed that a new chart series for yachtsmen published during spring 2015 and reported that starting 1st of January 2015 printed version of NtM was ceased, instead - a new online web service of NtMs and List of Lights was started and new "Open Data" services are available (WMS, WFS, file download service).

B.3.4. National report of Germany

Documents: BSHC20 B3 National Report of Germany

The national Hydrographer Mr. Mathias Jonas reported on the activities of the Federal Maritime and Hydrographic Agency (BSH). The report included information about coverage of surveys and re-surveys within HELCOM Re-Survey project.

The Conference was informed about the results of research project on LIDAR usability in bathymetric surveying in Baltics. Final report has been completed and BSH investigates further possibilities. It was agreed that Germany will provide a Summary to all Baltic Sea countries.

Action #2 To provide info paper on results of LIDAR Project (Germany)

BSH has stopped issuing INT charts for foreign waters due to the decreasing demand for this product. Exception is INT chart No. 98 for Baltic Sea.

MS were informed on updated publications, MSI and other activities, including information about new workflow for database-supported digital terrain model of the German waters.

Terrain model is planned to be the base for digital generalizations and new software for automatic depth contour creation is being developed.

B.3.5. National report of Latvia

Documents: BSHC20 B3 National Report of Latvia

Head of Hydrographic Service Mr. Aigars Gailis reported about the latest changes and achievements in Maritime Administration of Latvia Hydrographic Service. He informed about changes in personnel – new head of Cartographic department Mr. Normunds Duksis and new Head of Hydrographic department Mr. Bruno Špēls took over duties of respective Departments in 2015.

A new survey boat and equipment was purchased and introduced in use and work within HELCOM Re-Survey plan continues. Mr. Gailis informed that MAL is a partner in Maritime Spatial Planning of Latvian waters (responsible for graphical part) and is taking part in INSPIRE based activities.

Sweden thanked the Maritime Administration of Latvia for support and activities during TENT Days 2015 in Riga.

B.3.6. National report of Lithuania

Documents: BSHC20 B3 National Report of Lithuania

The representatives from Lithuania were absent. National report of Lithuania was provided and is available on the IHO website.

B.3.7. National report of Poland

Documents: BSHC20 B3 National Report of Poland

The national report of the Polish Hydrographic Office activities were presented by Mr. Andrzej Kowalski. It was stated that a new Maritime Legal Act has been approved by the Parliament. New e-mail addresses and website for Polish HO are to be introduced, relevant information will be provided.

Poland informed that a Contiguous Zone has been designated.

B.3.8. National report of Russian Federation

Documents: BSHC20 B3 National Report of Russia

Capt. Sergey Travin reported on status of Hydrographic Office of the Navy and basic directions of activities – oceanographic, hydrographic and marine geospatial researches, publishing charts, manuals for navigation, collecting and issuing information important for seafarers and maintenance of navigation equipment.

B.3.9. National report of Sweden

Documents: BSHC20 B3 National Report of Sweden

Representatives from Sweden, Mr. Patrik Wiberg and Mr. Magnus Wallhagen, provided the summary of the main activities within Swedish Hydrographic Office. They emphasized that surveys and re-surveys are focused on shipping routes, as defined in HELCOM Cat I and Cat II areas. The report included details on surveyed areas and the new survey vessel Gustaf af Klint.

Sweden is progressing to a new production system for ENC's and paper charts. It planned to have a new system in operational mode in October 2016 for ENC's and for paper chart production within one year.

Sweden informed about ongoing work on recalculating maritime borders, which has resulted in an official proposal on changes in the legislation. The proposal also includes a proposal on implementation of a Contiguous Zone according to UNCLOS.

Swedish delegates reported of a new project - surveys in archipelagic areas. Resources from INTERREG were attracted as these areas are not used by vessels paying navigational dues.

B.4. IHO – EU Network

Documents: BSHC20 B4 IHO_EU Network_SE

Sweden informed about meetings attended since last BSCH meeting in 2014.

Magnus Wallhagen (Sweden) acted as representative from BSHC.

He also informed about Coastal Mapping Project's latest activities and consortium created for the project, including Work Packages of proposal. BSH (Germany), MAL (Latvia) and SMA (Sweden) are acting as partners in the consortium. Total budget for the program is 1,330M EUR. It is planned to set up the portal within 36 months.

EMODnet phase 3 is intended to achieve more permanent solution of portal with high resolution marine data. EMODnet phase 3 call for tender was delayed due the need of to evaluate the first results from the Coastal Mapping project. Therefore, the situation with EMODnet phase 3 solution remains unclear.

Conference members approved the report and, after request from Sweden, confirmed Sweden to represent BSHC in IHO-EU WG. All BSHC members should provide contact details for further communication regarding IHO-EU matters.

Action # 3 To provide details of contact point of IHO-EU matters (All MS)

It was decided to leave the decision to every member state regarding involvement in EMODnet phase 3.

All agreed that more frequent reporting about IHO-EU and EMODnet activities would be very welcome, specifically after each meeting. Sweden kindly agreed to provide short report after each meeting

Action # 4 To provide update on activities in respect to IHO-EU and EMODNET in intersessional period (Sweden)

B.5 Selection of BSHC representative(s) to the IHO Council

Documents: BSHC20 B1 IHB

IHB Director Iptes explained roles and responsibilities of the IHO Assembly, Council and terms of new elections of representative from BSHC. He provided an example of election of representatives from the region to the Council in MBSHC for consideration.

During the discussion, several important questions were raised by the MSs - which year will be used to list seating by criteria of tonnage, if state is qualifying by tonnage, whether it should indicate from which region it is applying, whether state is representing the region or its own interests in the Council.

Chair Mr. Krastins requested delegates participating in the Conference to provide their considerations and opinion. It was agreed to continue the discussion on the next day in order to have some time to get introduced to example from MBSHC kindly provided by Mr. Iptes.

Discussion continued on the next day - Chair Mr. Krastiņš offered the rotation scheme – each member state will be offered to represent BSHC following the English alphabet. If a member country refuses to act as a representative, the next country in line will be offered the post.

Sweden offered to elect a representative to IHO council and Poland, Germany agreed this scheme.

Finland and Estonia supported the idea of rotating representative of BSHC to IHO Council in alphabetical order.

Denmark was ready to support any of the offered solutions.

Russia offered to nominate candidates and to hold the election.

Members decided to develop proposals for mechanism of electing representative to IHO Council until next BSHC Conference.

Action # 5 To draft a and provide for consideration in next BSHCC procedure for selection of BSHC representative in IHO Council (ALL MS)

C. IHO Work Program 2 – Hydrographic Services and Standards

C.1 Report of Re-Survey Monitoring Working Group (MWG)

Documents: BSHC20 C1_F1

Germany reported the results of MWG 12th meeting in Riga. It was noted that cooperation with FAMOS Freja project is important support for MWG.

Future work of MWG consists of following the progress of the renewing the Re-Survey Database and having hands-on workshop for member states in November/ December 2015. Cooperation with FAMOS Freja will continue and MWG will once again invite Lithuanian authorities to join the project. It is planned to continue cooperation with NSHC and other organizations.

Next MWG meeting is planned on week 3, 2016 in Sweden.

C.2 Report of Chart Datum Working Group (CDWG)

Documents: BSHC20 C2 FI

Estonia reported about the latest WG activities. CDWG meeting was held in 11 – 12 February 2015, Tallinn (Estonia) with main emphasis on transition to common vertical reference system and choosing name of new chart datum. Cooperation with FAMOS project was noted as important to CDWG work. It was also noted that it is necessary to have more active involvement from member states and political support would be important to foster the implementation of common vertical datum.

Mr. Tõnis Siilanas placed the request for BSHC 20th Conference to approve the new CDWG ToRs and work program for 2015-2016.

Everyone agreed to support the CDWG proposal for displaying the new chart datum name on paper charts to be “**Baltic Sea Chart Datum 2000**” and for ENC’s to use VERDAT Mean Sea Level (value = 3) and to study possible name and wording of the note. It was also discussed and agreed that display of a national name of vertical reference datum in parallel to Baltic Sea Chart Datum 2000 should be optional. If a national name is displayed a smaller elevated text within brackets should be used, e.g. Baltic Sea Chart Datum 2000^(RH2000).

Action # 6 To study and clarify the use of national naming of chart datum on chart in parallel to Baltic Sea Chart Datum 2000

Action # 7 CDWG to clarify the use of the common name of Baltic harmonized Chart Datum ("Baltic Sea Chart Datum 2000").

Decision #1: To approve ToR

Decision #2: WP 2015-2016 approved

C.3 Report of Baltic Sea Bathymetric Database Working Group (BSDWG)

Documents: BSHC20 C3 SE

Sweden reported, that since last Conference portal has been up and running without downtime on the viewing services. Bathymetric model remains the same from December 2013 and no major problems have been detected. Swedish government will keep providing the financial support for at least coming three years.

Statistics on cooperation with GEBCO and EMODnet project and statistics of downloads and use of OGC services were provided. Sweden encouraged members to send coastline data presentation in the portal, taking into account national legislation and limitations by each country.

Action # 8 MS are invited to distribute good resolution (large scale – 1:50000) coastline to Sweden in order to enhance presentation in the BSBD portal and contact with SWE regarding procedure

C.4 Report of Baltic Sea Marine Spatial Data Information Working Group (BSMSDIWG)

Documents: BSHC20 C4 DK

Mr. Jens Peter W. Hartmann (Denmark) presented the report on BSMSDIWG work and meetings held during the reporting period. BSMSDIWG workshop No 3 took place in Rostock, January 20-22, 2015 with the overall aim to create common MSDI framework and evaluate work plan for Baltic Sea. Next meeting is planned on 16-18 November 2015, Helsinki (Finland) and all MS from BSHC are invited to participate. Draft work plan for BSMSDIWG 2015-2020 was presented and the Conference was invited to approve it.

He also informed about outcomes of 6th IHO MSDIWG meeting, which took place in London (UK) in March 2015.

MSDIWG Work Program was presented with main tasks for 2015-2016 and report on progress on HSSC and IRCC Action items. Regarding INSPIRE the MSDIWG suggested to consider attending INSPIRE maintenance groups for IHO WG responsible for S-102.

The EU has released a new directive about establishing a framework for maritime spatial planning. Directive is expected to have influence on MSDI with the focus on data and the exchange of data.

BSMSDIWG emphasized the need to strengthen maritime approach to MSDI and challenges BSHC MS face in relation with MSDI.

Chair of BSHC Mr. Jānis Krastiņš informed participants about the letter from Chairman of NSHC that was received recently and forwarded to Member States for consideration. NSHC invites to consider forming common WG on MSDI, in order to build up competences of participating MS and strengthen cooperation of neighboring countries as well as solving common issues. The existing BSMSDIWG would be used as the basis and transformed to BSHC-NSHC MSDI WG. It was indicated by the MS that both RHC have similar interests both locally and at EU level.

Decision #3: To accept the proposal from NSHC and to form a common BSHC-NSHC MSDIWG

Action # 9 To prepare amendments in ToR in order to have joint BSHC and NSHC MSDIWG (Chair of WG)

Action # 10 To send the letter and amended ToR to Chair of NSHC (Chair of BSHC)

C.5 Status report Harmonization of Depth Information in ENC's

Documents: BSHC20 C5 SE

Sweden presented a report on the latest results of depth harmonization in ENCs and paper charts. Different types of inconsistencies were detected which requires different actions which were grouped in three blocks: Chart Data Update, Planned Actions, and Guidelines. The report covers information about current status of project and existing challenges.

C.6 Customized ENC service for pilots and VTS applications

Documents: BSHC20 C6 DE

Germany introduced the info paper about customized ENC services for pilots and VTS. ENCs for pilots are supplemented with more dense depth contours with step from 1 m to 20 cm and based on proprietary commercial extension of S-57. All German pilots are equipped with Portable pilot Units and use customized ENCs.

Some inconsistencies have been spotted due to different charts used by pilots and by staff on vessel. Updates are provided according to changes in local circumstances.

Target is to cover all piloted areas with customized ENC's by 2018. Sweden additionally informed the Conference about similar project together with Norway using PRIMAR technical expertise but applying standard S102.

C.7 FAMOS project

Documents: BSHC20 C6a SE

BSHC20 C7.2 DE

C.7.1. General Report

Sweden reported on the project setup and project activities – hydrographic survey coverage, process of harmonization of vertical datum, workflow of data and hydrographic equipment.

He reported on the status of FAMOS project CEF proposal for 2014 – 2016 and funding of the project.

All specified milestones of the project have been reached, survey season 2014 was successful and season 2015 is successfully on-going. Gravity measurement campaign continued in July 2015 with German and Danish equipment. Next campaign is planned for the beginning of the 2016 survey season with participation of Germany.

FAMOS has been split in three phases - Freja (Agreement just signed), Odin (in preparation) and Thor (Final phase).

C.7.2. Gravity Measurements 2015

Germany reported on the latest gravity measurements conducted in 2015, to overcome the problem that in some areas coverage of data availability is not satisfactory and accurate determination of Geoid can't be guaranteed. First analysis shows good accuracy results.

The data will be available within FAMOS project.

More detailed information about the results is available at SMA and BSH.

C.8 New Danish national ENC service for leisure craft users

Documents BSHC20 C8 DK

Denmark informed about new ENC service for leisure crafts, with the aim to increase safety at sea among the leisure craft sailors. Service is planned to be available in open market in 2016 as pilot project together with Swedish and Danish Maritime authorities.

ENCs are displayed on tablets through software solution developed by Seapilot AB (Sweden). This ENC service is created as official alternative to paper charts, but is not intended as requirement for leisure craft users.

Members of Conference asked to provide further information about development of ENCs services for leisure craft.

Action # 11 To report on results of New Danish ENC service for leisure craft users (Denmark)

C.9 Smart Marine Fairway – information paper of studies implementing services for eNavigation in Finland

Documents: BSHC20 C9 FI

Finland provided information about the situation within Finnish waters and the need for more dense bathymetric data. Finland is studying the current situation and can divide studies in 2 phases. Phase I - to define the concept for Smart Marine Fairway datasets – measurements of water level and usage of vertical reference system BSCD 2000, developing suitable gridding methods for bathymetric data and research on weather conditions.

Phase II - testing of datasets intended for pilots using bridge simulator. These studies support implementation of IHO e-Navigation strategy.

C.10 ENSI – project – test – bed for the exchange of route plans in Gulf of Finland

Documents: BSHC20-C10 FI

Finland introduced the report about ENSI project, which is intended to share vessel route plans with maritime authorities by electronic means, with the purpose of reduction human errors during route planning. Basic route planning is provided in ECDIS and using chart application information can be provided to Ship Reporting System in the Gulf of Finland. System uses PRIMAR's ECC remote update protocol for automated chart updates. ENSI service provides additional safety checks and information is also given to VTS operators.

Representatives from Sweden and Denmark added that they have similar projects in their countries.

C.11 Implementation of Re-surveying results in Nautical Charts

Documents:

Russia provided the report on Re-Survey activities. The first part of the National Resurvey plan was fulfilled in 2009.

C.12 Object – oriented approach to the formation of the structure of hydrography and navigation data for the Russian Federation National Jurisdiction zone in the Baltic Sea

C.13 Problems of data matching in ENCs of neighboring countries

Documents:

Russia suggested to cover both Agenda items together and introduced the subject informing about discovered inconsistencies discovered. The revised ENC schema was presented as for internal use only.

Responding to report Finland indicated that there was ENC Harmonization WG dealing with the issues mentioned.

D. IHO Work Program 3 – Inter-regional Coordination and Support

D.1 Report of BSH WEND-WG representative

Documents: BSHC20 D1 FI

Finland reported on work and activities within the WENDWG. He informed about the main issues discussed during the meeting in Singapore in March 2015. WENDWG discussed future of overlay services and suggested to include tasks in WENDWG Work Program 2015-2016 and submitted it to the IRCC-7 for approval.

Gaps and overlaps in ENC coverage should be analyzed and should be the RHCs permanent task to be carried out through their ICCWG.

He informed that it was agreed that there is no need to continue RENC harmonization Sub-group and work should be taken between the two RENCs. WENDWG will continue monitor the progress of RENC cooperation.

Mr. Mäkinen informed that Future work program was approved by IRCC-7.

Germany complimented Finland for outstanding work.

D.2 Report of Baltic Sea INT Chart Coordinating Working Group (BSICCWG)

Documents: BSHC20 D2 FI

Mr. Jarmo Mäkinen (Finland) informed that the meeting will take place in Denmark, October 2015 and also reported changes in BSICCWG membership. He informed that, with the

support of KHOA, IHB have launched a pilot project, to move from current S-11 Part B database to the GIS environment. Name of the project is *INToGIS*. One of the testing areas is Baltic Sea Region E. Interface tools are being developed by KHOA and as the result the beta-version will be launched.

Mr. Mäkinen presented results of questionnaire of status of paper charts. Gaps and overlays analysis results have been sent to BSICC members for proposal actions.

Main tasks for future is to develop S-11 database, revision of Baltic Sea INT Chart Scheme, analysis of gaps and overlays of ENCs and others..

Members discussed the future status of paper charts and ENCs, Chair Mr. Jānis Krastiņš proposed to discuss this issue within WG and prepare questionnaire for members.

Mr. Iptes presented the result of questionnaire sent to the Masters regarding usage of paper charts and ENCs. The result was – most of the vessels use ENCs when navigating, but for route planning they still use paper charts. That means that paper charts have not lost their importance in safe navigation.

It was decided that within BSHC only a copy of New Charts should be delivered to the BSICC chair (FI), not New Editions.

Action # 12 To prepare and send out questionnaire on HO's future plans with regards to paper charts (BSICCWG)

Action # 13 To forward the first edition of new INT charts to chair of BSICCWG for evaluation (All MS)

D.3 Status of Hydrographic Surveying and Nautical Charting Worldwide C55

Documents:

IHB Director Iptes provided update on progress to have C-55 in digital version and invited members to send updates and follow the development of C-55.

D.4. BSHC Internet Domain

Documents: BSHC20 D4 SE

Sweden reported on the status and development of BSHC internet domain. It was noted that, since the last Conference, very little action to improve the content has been taken. He suggested to clarify the procedure for the BSHC Chair, WG chairs and others involved to communicate with website editor and asked to send all WG documents to e-mail address sma@sjofartsverket.se

All agreed to include following actions in The List of Actions:

Action # 14 WG chairs to forward information about WG for inclusion in the BSHC web site to Sweden.

Action # 15 All WG to include e-mail address of bshc.pro in their correspondence in order to post documents on the web

Decision #4: To post the info of BSHC on the web and also the most up-to -date version of the statutes of BSHC should be posted

D.5 Shared burden to keep INT98 equivalent ENC up to date

Documents: BSHC20 D5 DE

Germany, informed about chart DE110000 BALTIC SEA or INT 120 (equivalent of German chart 98) and challenges of covering production costs.

Germany proposed to take over production of this chart by another country or Germany continues to produce INT 120 and matching ENC, with no royalties paid and MS agree providing Germany with source data in a compatible scale.

Conference voted and agreed to abstain from royalties and make changes in bilateral agreements as necessary and so that Germany will continue production of INT120 and ENC for the Baltic Sea and provide with these charts to all members free of charge for governmental purposes.

Decision #5: Germany will continue production of INT120 and matching ENC, no royalties to MS, produced chart and ENC will be made available to MS free of charge for governmental purposes.

Action # 16 To address MS with amendments to BA concerning maintenance and updating of INT98 equivalent ENC.

Action # 17 To provide INT120 (DE98) equivalent ENC to all MS

D.6 IHO Capacity Building Issues

Members were asked to consider the input to CBSC or inform about on-going or planned activities and initiatives regarding capacity building.

Action # 18 All to consider providing input to CBSC or to inform CBSC about on-going or planned capacity building initiatives.

D.7 Report of the MSI Activities in the Baltic Sea Region

Documents:

This Agenda item was included into the Agenda of BSHCC20 after the proposal by IHB. IHB Director Mustafa Iptes provided short introduction - at the last WWNSS it was agreed to invite RHC to have the report on MSI activities as a standing Agenda item for regional Conferences. Sweden presented the report on MSI activities in the Baltics in capacity of regional Coordinator.

All agreed to include the report of MSI activities in Baltic Sea Sub-area as a standing Agenda item.

Action # 19 Include report on MSI activities as a standing Agenda item.

Action # 20 To present a report on Annual MSI activities in Baltic Sea SubArea

E. Any Other Businesses

Documents:

Sweden proposed to draft amendments to the Statutes of the BSHC and introduce deadlines for supplying documents to BSHC.

Chair Mr. Krastiņš proposed to create a working group for drafting the corresponding amendments and Sweden agreed to lead this WG with other members from Sweden, Latvia and Denmark.

Action # 21 To draft amendments to the Statutes of BSHC and circulate for approval approval via correspondence.

Russia presented information to the Conference about a recent journey with a hydrographic vessel.

Denmark informed about the Danish Geodata Agency activities, new charts of Greenland and challenges they are facing in this process. Commission took a note of the reports provided by Russia and Denmark accordingly.

F. Election of new chair and vice-chair

Documents:

Members agreed that the representative of the host country should be the Chair in next BSHC Conference. The Commission congratulated Capt.Sergey Travin. Vice chair to be nominated when Lithuania will provide the name of the person.

G. Place and date of next Conference

Documents:

Lithuania was chosen as host for next BSHC Conference. Lithuania has confirmed that they would be able to be the hosts. Planned date of the next Conference – September 2016.

H. Review of BSHC20 List of Actions

Documents:

The secretary reviewed the List of actions and it was approved without amendments. Members were asked to provide comments to Draft Minutes and Draft List of actions.

I. Closing Ceremony

Documents:

IHB-Director Mustafalptes expressed gratitude for productive work and thanked the hosts for their hospitality.

Chair Mr. Jānis Krastiņš thanked the members for their input in successful sessions and thanked the hosts for the excellent meeting arrangements.