

24th Baltic Sea Hydrographic Commission Conference 10-12 September 2019 – Gdansk, Poland

FINAL MINUTES OF THE CONFERENCE (Draft)

A. Opening formalities

A1. Opening of the Conference

Docs: BSHC24_List_Participants v3.0; BSHC24_List_Documents

The Chair of the Conference (The Chair) (*Mrs. Pia Dahl Højgaard*) opened the 24th Baltic Sea Hydrographic Conference and welcomed the delegates, observers and IHO Secretary-General *Dr. Mathias Jonas*. (IHO SEC GEN)

The Chair thanked the host for the excellent preparation of the venue and the ice-breaking event, the night before.

The Chair informed delegates, that no representatives of the Russian Federation will take part in this conference. The hydrographer of Sweden *Mr. Patric Wiberg* sends his regrets. Sweden is represented by *Mr. Magnus Wallhagen*.

A2. Welcome from the host country

Docs: BSHC24 Letter 1.

Poland (*Cpt. Andrzej Kowalski*) welcomed the delegates to the conference and thanked the Chair for good cooperation followed by some administrative information about the program for the conference.

A3. Adoption of the Agenda

Docs: BSHC24_A3_Agenda

The delegates reviewed the Draft Agenda. Item C7 was moved to the open forum session. With the proposed change, the agenda was adopted.

A4. Minutes and actions of the 23rd BSHC Conference

Docs: BSHC24_A4_BSHC23_Final_Minutes

The minutes from BSHC 23 was approved by correspondence earlier. This was confirmed by the BSHC.

The status of the Actions of 23rd BSHC Conference was reviewed:

Action No. 1-9 in progress (permanent action)

Action No.10 Denmark and Germany informed that the procedures remains unchanged for the time being.

Action No. 11 done.

Action No. 12 done.
Action No. 13 done.
Action No. 14 ongoing/pending.
Action No. 15 remains with emphasis on MS who have not responded.
Action No. 17 Is kept pending.
Action No. 18 Done / ongoing
Action No. 19 Ongoing.
Action No. 20 Done
Action No. 21 Ongoing
Action No. 25 done
Action No. 26 done
Action No. 27 done
Action No. 28 Kept permanent
Action No. 29 done
Action No. 30 removed.

ACTION 1: All permanent Actions are to be re-visited at BSHC 25

B. IHO work program 1 – Corporate Affairs

B1. Information on Council issues of the IHO

Docs: BSHC24_B1_FI

Finland (*Mr. Rainer Mustaniemi*) presented the report of the most important issues that will be raised at the next Council meeting, including the strategic goals. The BSHC was invited to comment on the proposal from Singapore to establish an IHO innovation and technology laboratory. There was a discussion on the topics from the report.

The importance of the development of the S100 Roadmap was emphasized by SE and DE and IHO SEC GEN, who encouraged the MS to focus on this subject at the council meeting.

No further actions were proposed.

The Chair thanked Finland for information provided and stated that BSHC took note of the information.

B2. Information about the activities of the IHO and outcomes of the IRCC11 meeting

Docs: BSHC24_B2_IHO

The IHO Secretary General (*Dr. Mathias Jonas*) presented the report of the IHO, with emphasis on:

- New members from Guyana, Ghana and Solomon Islands.
- Preparations of the 2nd Assembly.
- INT chart and ENC production Coordination region E is covered in length in the report.
- MSI- services transforms due to new technology.
- Capacity Building programme. IHO has no separate budget for CB programme. Rely on national contribution.

- Crowd Sourced Bathymetry. The publication B12 is approved. A list of countries who encourages CSB will be issued.
- GEBCO support through Seabed 2030. Many professional contributions to SB2030.
- IHO GIS and databases.
- IHO outreach. The new IHO logo was presented. MS's are encouraged to make use of the new logo.
- IHR. New chair of editorial board is appointed, relieving *Mr. Ian Halls*, who tragically passed away earlier this year. DE explained how the members of the editorial board keep contact with the scientific community. BSHC approved Patric Westfeld DE to replace Thomas Dehling as BSHC member of the editorial board.
- IHO 100 years celebrations with a special session at the 2.nd Assembly. MS are encouraged to contribute to the chart exhibition at the assembly. US will provide "Science of a sphere" at the assembly.

IHO SEC GEN gave his reflections of the IRCC 11th meeting and highlighted the following items:

- Impression of regional cooperation.
 - No consistent global patterns.
 - Good spirit remains on a technical level.
- Identify global trends and develop IHO response.
 - Paper charts from ENC's.
 - More data is produced
 - Autonomy is increasing in selected branches.
 - Growing demand for data for other use than navigation.
 - MSDI' are developing regionally.
 - Cooperation with UNGGM
- Capacity building
- Mapping progress in S-100 standardization to inter regional coordination.
 - Progress is happening.
 - A plan is to be presented at IHO council.

The Chair thanked IHO SEC GEN and confirmed that BSHC took note of the report and the recommendations.

B3. National reports

B3.1. National Report of Denmark

Docs: BSHC24_B3.1_National_Report_Denmark

Denmark (*Mrs. Elizabeth Hagemann*) presented the highlights of the national report of Denmark with emphasis on.

- New ships.
- New production system. (ESRI)
- MSDI business case.
- Free data analysis. The analysis shows a positive business case for free data.

Sweden requested a copy of the business case for free data.

The Chair thanked Denmark for the Report and the Commission took note of the Report.

ACTION 2. Denmark to submit Business Case summary to BSHC MS at convenience.

B3.2. National Report of Estonia

Docs: BSHC24_B3.2_National_Report_Estonia

Estonia (*Ms. Kaidi Katus.*) presented highlights of the national report of Estonia.

- New equipment (ROV)
- New hydrographic information system. New functionalities.
- Transition to BSCD 2000 in progress.

A new VTS area has been established. ENC's will be sent to GE for update of BS routing guide.

The Chair thanked Estonia for the Report and the Commission took note of the Report.

B3.3. National Report of Finland

Docs: BSHC24_B3.3_National_Report_Finland

Finland (*Mr. Rainer Mustaniemi*) presented highlights from the national report of Finland.

- The Finnish Hydrographic Office has been a part of the Finnish Transport and Communications Agency Traficom from 1.1.2019.
- The focus of hydrographic surveys is moving towards shallow coastal nearshore areas.
- Production of nautical charts has been reduced due to the system development projects.
- Project for migration of bathymetric data to the new Bathymetric Data Management System (MERTA) is ongoing.
- Project for renewal of the Nautical Chart Production System (AHTI) is in the implementation phase. Deployment of the system will be in September.
- MS in BSHC are harmonizing towards BSCD2000.

Finland gave a presentation of the ongoing organisation process in Traficom.

The Chair thanked Finland for the Report and the Commission took note of the Report.

B3.4. National Report of Germany

Docs: BSHC24_B3.4_National_Report_Germany

Germany (*Mr. Thomas Dehling*) presented highlights from the report on the activities of the Federal Maritime and Hydrographic Agency (BSH) with emphasis on:

- Regular re survey scheme in the German part of the Baltic.
- New multipurpose ship ATAIR operational 2020

The Chair thanked Germany for the Report and the Commission took note of the Report.

B3.5. National Report of Latvia

Docs: BSHC24_B3.5_National_Report_Latvia

Latvia (*Mr. Bruno Spels*) presented highlights from the Latvian national report.

- No changes in organization.
- One Cat A surveyor finished course in Mississippi (US).
- Latvia is implementing CARIS HDB.

The Chair thanked Latvia for the Report and the Commission took note of the Report.

B3.6. National Report of Lithuania

Docs: BSHC24_B3.6_National_Report_Lithuania

Lithuania (*Mr. Mindaugas Zakarauskas*) presented highlights from the national report of Lithuania with emphasis on:

- There are no changes to the organization.
- CAT 1 surveys are finished.
- An interactive chart server is established, for viewing only.
- Navigational warnings are available on the chart server.

The Chair thanked Lithuania for the Report and the Commission took note of the Report.

B3.7. National Report of Poland

Docs: BSHC24_B3.7_National_Report_Poland

Poland (*Cpt. Andrzej Kowalski*) presented the National Report of Poland with emphasis on:

- New multi purpose hydrographic vessel ZODIAC II
- EEZ delimitation process between DK and PL is completed.

The Chair thanked Poland for the Report and the Commission took note of the Report.

ACTION 3: Denmark to inform BSHC MS when Danish paper charts reflect the agreed delimitation between Denmark and Poland.

B3.8. National Report of Russian Federation

The Chair informed that the Russian Federation did not provide a National Report.

B3.9. National Report of Sweden

Docs: BSHC24_B3.9_National_Report_Sweden

Sweden (*Mr. Magnus Wallhagen*) presented highlights from the Swedish national report.

- Improved cooperation between SMA and SMHI on water level information.
- The ADAPT project concerning archipelago survey in cooperation with Stockholm city council. Energy consumption and CO emission is reduced in the newly surveyed routes.

The Chair thanked Sweden for the Report and the Commission took note of the Report.

ACTION 4: Sweden to provide the ADAPT report to BSHC MS.

(The report is available at the SMA website.

http://www.sjofartsverket.se/pages/105356/ADAPT_report_D.T3.5.1_with%20appendices.pdf)

B4. Status Report from the IHO-EU Network WG (IENWG)

Docs: BSHC24_B4_IHO-EU_Network_SE

Sweden *Mr. Magnus Wallhagen* reported highlights from the latest meetings in the IHO-EU network group.

- New PSI directive. How will it affect HO business models?
DK asked whether national restrictions of the use of data, is affected by the PSI directive. SE replied that in Sweden, matters of national security overrules the PSI directive.
Concerns were raised on safety of navigation issues if source data is made freely available.
FI has already raised these safety issues to their ministry.
The need for exchange of information on national implementation of the new PSI directive was requested on a bilateral basis.

New representative for BSHC will be Annika Kinderberg from Sweden. This was approved by BSHC.

The Chair thanked Sweden for the Report and the Commission took note of the Report.

ACTION 5: Sweden to distribute a list of arguments for exemptions from PSI directive if possible.

B5. Draft amended IHO Resolution 2/1997

Docs: BSHC24_B5_Draft revised IHO Resolution 2/1997 agreed at the IRCC11 meeting.

Denmark *Mr. Jens Peter Hartmann* presented the proposed draft amendments. Germany encouraged MS to support the proposal, when it is brought to IHO MS for approval.

B.6 Selection of the BSHC Council member 2020-2022

Denmark *Mr. Jens Peter Hartmann* summarized the rules of selection of BSHC representation in the Council.

ACTION 6. BSHC CHAIR to manage the selection of BSHC representation in the Council in accordance with the rules laid down in the BSHC statutes.

C. IHO work program 2 – Hydrographic Services and Standards

C1. Report of Re-Survey Monitoring Working Group (MWG)

Docs:

[BSHC24_C1.1_FI - MWG Report](#)

[BSHC24_C1.2_FI - HELCOM Re-survey Scheme – update](#)

[BSHC24_C1.3_FI - Letter HSPT](#)

[BSHC24_C1.5_FI - Concretization of existing HELCOM actions](#)

[BSHC24_C1.6_FI - Extract of actions agreed in HELCOM related to the Maritime Working Group](#)

MWG Chair (*Mr. Seppo H. Mäkinen*) presented the MWG-report and gave an overview of the re-survey status. MWG Chair proposed to include a timetable for CAT III areas in the HELCOM re survey scheme. HELCOM Cat III areas should be re-surveyed due to enable safe increased shipping and boating as well as monitoring environment changes, especially on coastal areas and proactively react with GIS data on e.g. more flexible maritime area planning, flood preventing and oil recovery contingency.

MWG Chair informed that the regional BSHC discussion group on S-44 PT work has agreed to propose a more precise order of survey to IHO S-44 PT, pending BSHC approval. The MWG therefore requested the BSHC to propose, to IHO HSPT, to develop the S-44 ed. 6 further to respond to the needs of minimizing under keel clearance (UKC) and producing accurate S-102 bathymetric models. One item may well be to include a more stringent order than Special Order. This could be called “Exclusive Order” as currently used in Finnish – Swedish Implementation of the S-44 ed 5 (FSIS-44).

This type of more stringent order is needed, due to rapid development of hydrographic technology, utilising accurate S-102 bathymetric models for minimizing under keel clearance and increased environmental concerns.

The “Exclusive Order” will be then available in the S-44 ed. 6 table I, for member states to use.

The BSHC was requested to:

1. *Note the reports.*

Following some discussion, BSHC took note of the reports.

2. *Approve the HELCOM Re-Survey Scheme assessment report to be presented to HELCOM Maritime 19.*

Denmark (*Cdr. Lars Hansen*) pointed out that it is unfortunate, that the impression of the HELCOM MARITIME is, that the CAT 1 and 2 is almost finished in 2020, to the effect that it is removed from the Baltic Sea Action Plan. This leaves a number of MS, who plan to finish their surveys in 2030, without political support from HELCOM. Germany (*Mr Thomas Dehling*) noted that the wording “finalized” could lead to the wrong impression, that it will not be necessary, to re-survey an area again. This is not the case in areas with dynamic changing sea bed. The MWG chair made amendments to the HELCOM Re-Survey Scheme assessment report, respecting the comments made by DK and GE. The amended report was then approved by BSHC. BSHC tasked the MWG chair to send the report to HELCOM MARITIME 19 meeting in due time for their meeting on 23 September. See ACTION 8.

3. *Decide on the continuation of the HELCOM Re-Survey Scheme, to be presented to HELCOM Maritime 19 (see item C.1.2) considering the following options:*

a. Continue work as for now. The Cat I & II areas are to be estimated to be completed by 2030;

b. Mandate the MWG to update the HELCOM Re-Survey Scheme to include the Cat III areas and to estimate a timetable for the work;

It was discussed whether the resurvey scheme should continue as is originally planned, or if CAT III areas should be included in the re survey plan, with the aim of having future funding and support for the continuation of the survey of the Baltic Sea.

It was discussed how the survey of CAT III areas could be funded and supported and in which program.

BSHC decided to support the proposal, and tasked the MWG to include a time table for CAT III areas in the HELCOM RE SURVEY plan for approval of the revised plan at the BSHC 25 meeting. Action 9.

MWG Chair encouraged MS heads of delegations to liaise with their national HELCOM MARITIME representation in order to prepare them for the proposed change of the HELCOM Resurvey scheme to include CAT III areas from 2020.

4. Endorse the MWG regional discussion group stand on the IHO S-44 HSPT ed 6 draft. MWG Chair presented MWG regional discussion groups work on S-44 by which is proposed to encourage IHO S-44 PT to adopt a stricter order in the next version of S-44. This proposal was approved by BSHC. BSHC Chair will send the proposal to the IHO S 44 -PT Chair. Action 8.

5. Encourage member states to study and define Cat I & II areas in their waters based on the existing AIS-information on commercial shipping.

6. Encourage member states to perform re-surveys in areas of commercial shipping.

7. Encourage member states to participate actively to MWG work.

8. Give further guidance to MWG, as seen appropriate.

The Chair thanked the chair of the MWG for the presentation. The BSHC took note of the report and approved the following actions:

ACTION 7: HELCOM RE Survey MWG chair will prepare and send a letter to HELCOM MARITIME in due time for the 19th. Meeting of HELCOM MARITIME with the aim of a possible continuation of the task in HELCOM and inclusion of CAT III areas in the Re survey Scheme with a proposed time table.

ACTION 8. BSHC Chair to send revised version of DOC. C.1.3. to the chair of IHO S44 PT.

ACTION 9: BSHC MWG to include CAT III areas in the Re survey scheme and prepare a timetable to be approved at the 25 BSHC meeting.

C2. Report of Chart Datum Working Group (CDWG)

Docs: BSHC24_C2_SE

CDWG Chair (*Mr. Thomas Hammarklint.*) presented the report. He gave a summary of the implementation status of the vertical reference level Baltic Sea Chart Datum (BSCD2000). MS are encouraged to continue to conduct gravity measurements and GEOID computations.

The Chair thanked the chair of the CDWG for the presentation. The BSHC took note of the report and continues to support Gravity measurements.

BSHC approves the TOR's and work program as proposed from the WG.

C3. Report of Baltic Sea Bathymetry Database Working Group (BSBDWG)

Docs: BSHC24_C3_SE

BSBDWG Chair (*Mr. Hans Öias*) presented the BSBDWG Report and noted that the portal is running smoothly. He presented some statistics of the use of the portal. The usage of the portal is almost unchanged from year to year. Most users are from SE and PL. He reported about the WG plan to optimize the production tools and documentation. SE explained that they are in need of a better set of unprocessed data from Denmark to produce a higher resolution bathymetric model of the Baltic Sea. Denmark (*Mr. Jens-Peter Hartmann*) noted that DK at present only can share 500m-resolution gridded data products for the moment, due to licensing restrictions. The input for EMODNET 1/16 minute model is delivered from SMA in 2018.

BSHC agreed to allow the WG to use the basin names and the refined borders between charting regions in future versions of the database, as decided in agenda item D.2. Sweden apologized that the BSBD has not been updated since 2013. Finland encourage Sweden to process all data that has been send from MSs in order to get the BSDB up to date.

The Chair thanked the chair of BSBDWG for the presentation. The BSHC took note of the report.

C4. Report of Baltic Sea North Sea Marine Spatial Data Information Working Group (BSNSMSDIWG)

Docs: BSHC24_C4_DK

The BSNSMSDIWG Chair (*Mr. Jens Peter Hartmann*) presented the report from the BSNSMSDIWG and reported from the UN-GGIM meeting agenda item D.6. with emphasis on:

- MS were encouraged to participate in the WG.
- There is a strong dependence between MSDI and Marine Spatial Planning.
- Cooperation with OGC and UN-GGIM.
- RHC MSDI ambassadors.
- Two E-learning courses on MSDI have been issued.
- UNGGM sustainable development goals were presented.

Germany (*Mr. Thomas Dehling*) thanked DK for providing MSDI training material to be used in a Capacity Building context.

IHO SEC GEN (*Dr. Mathias Jonas*) emphasized the role of HO's and MSDI as a provider of data that could contribute to sustainable development on a broad scale.

GE encouraged the BSHC MS to liaise with their national UN-GGIM representatives when dealing with MSDI.

The Chair thanked the BSNSMSDIWG Chair for the presentation and the BSHC took note of the Report.

ACTION 10: BSHC MS to liaise with their national UN-GGM representatives when dealing with MSDI.

C5. Report of the Baltic Sea MSI Working Group (BSMSIWG)

Docs: BSHC24_C5_SE

The BSMSIWG Chair (*Mr. Johan von Bültzingslöwen*) presented the report with emphasis on:

- NAVTEX limitations.
- MSI statistics.
- Member states, who have not previously responded, were encouraged to confirm their members to the BSMSIWG-Chair.

The Chair thanked the BSSMIWG Chair for the presentation and the BSHC took note of the Report. BSHC also approved Johan von Bültzingslöwen as the new BSMSIWG chair.

C6. FAMOS project status Report

Docs: BSHC24_C6_SE

Sweden (*Mr. Magnus Wallhagen*) presented the FAMOS project status Report. The third and last period of FAMOS is aimed to start in 2020. A new project name, FASTMOS 2020-2023, is proposed. The project concept is currently being designed and new stakeholders and potential partners are signing up in the process. So far, four work packages have been defined. The aim is to enable the maritime sector to be a more efficient and sustainable means of transport.

Completing HELCOM Re survey scheme is fundamental for any development in the Baltic Sea. MS are encouraged to consider participating in the project.

DK mentioned that not all MS HO'S provide the full range of S-100 data. It is therefore important for MS to consider which other agencies could be invited to join the project.

The Chair thanked Sweden for the presentation and the BSHC took note of the Report.

C7. Workshop on High Density bathymetric ENC

This item was moved to the open forum session.

D. IHO work program 3 – Inter Regional Coordination and Support

D1. Report of BSHC representative to WENDWG

Docs: BSHC24_D1_FI

The WEND WG BSHC representative *Mr. Jarmo Mäkinen* presented the Report and highlighted outcomes of the WENDWG 9 Meeting with emphasis on:

- ENC overlap reports.
- Risk assessment on a regional basis concerning overlaps.
- RENC harmonization and distribution.

The Chair thanked the WEND WG representative for the presentation and the BSHC took note of the report.

D2. Report of Baltic Sea INT Chart Coordination Working Group (BSICCCWG)

Docs: BSHC24_D2_FI

The BSICCCWG Chair (*Mr. Jarmo Mäkinen*) presented the report. He explained the proposals to shift the limit between Middle Baltic and South-Eastern Baltic. BSHC approved the BSICCCWG proposal. He also explained the need to refine the limits between charting region D (North Sea) and charting region E (Baltic Sea) to correspond to the limit as laid out in IHO S23. This proposal will also refine the definition of the limits between the sea areas, Skagerrak and Kattegat.

DK had some concern on the impact of the proposal on other organizations.

IHO SEC GEN clarified that BSHC as an independent body, can take such decisions as to change the internal administrative limits as they see fit. BSHC Chair proposed a change of wording from “change” borders to “refine”.

BSHC approved the WG proposal to refine the definition of the existing limit between charting region D (North Sea) and charting region E (Baltic Sea) in accordance with S-23 by defining coordinates for GIS-purposes. BSHC chair noted that NSHC should be informed about the refined limit.

BSHC was invited to discuss whether there is a need for a regional concept with timeline and focus for S-100 production in Baltic Sea. A discussion followed on the subject. The general opinion was that some level of coordination would be beneficial.

The Chair thanked the BSICCCWG Chair for the presentation and the BSHC took note of the report and approved the following actions:

ACTION 11: BSICCCWG Chair is to inform NSICCCWG Chair about the refining of the charting limits between Region E and D.

ACTION 12: BSICCWG Chair is to take further action as to update relevant IHO publications with regards to charting limits between region D and E.

ACTION 13: BSHC CHAIR to have an agenda item at the BSHC 25 about the need for regional coordination of S-100 implementation.

ACTION 14: BSICCWG to supply information of regional CATZOC practices to IHO DQWG chair.

D3. Hydrographic Surveying and Nautical Charting Worldwide C – 55 Status in BSHC Member States Review

The IHO Secretary General (*Dr. Mathias Jonas*) gave a presentation on the work of development of C-55, with emphasis on the digital version of reporting progress. MS are encouraged to use the new digital platform. Link to the digital reporting scheme is provided in CL 20/2019.

D4. IHO Capacity Building Sub-Committee Issues Review (CBSC)

CBSC Chair (*Mr. Thomas Dehling*) highlighted the importance of Publication C-55 and the need for increased focus for updating C-55 on a global scale. The CBSC Chair encouraged MS to inform CBSC chair on any bilateral CB activities between BSHC MS and other countries. The CBSC Chair further informed that he will step down as chair of the CBSC and encouraged member states to consider suitable nominees for the position. This means also that he will step down as BSHC representative in the CBSC and a new BSHC representative is needed from the BSHC25 meeting 2020.

The Chair thanked the CBSC Chair for the presentation. The BSHC took note of the Report.

D5. E-navigation

Docs: BSHC24_D5.1_FI - Report of the Intelligent Fairway Project

Finland (*Mr. Rainer Mustaniemi*) presented the Intelligent Fairway Project.

Emphasis was put on:

The use of Bathymetric surfaces in test areas along defined fairways to Finnish ports.

Studies to incorporate environmental data such as water level information.

Open chart Plotter software CPN was used as test platform.

Links to Open Chart Software is found in the supporting document.

The Chair thanked Finland for the presentation.

D6. UN-GGIM

This item was covered under item C.4.

D7. Hydrographic Data Provision

Germany (*Mr. Thomas Dehling*) presented the work on data provision for future S-100 products in an MSDI perspective and the project IMO NAV. DE asked BSHC if they see the need for a common test bed for data services in the form of a restricted data portal.

The Commission took note of the Report and approved the action:

Action 15: Germany in cooperation with Denmark and Sweden are to describe a project concept on a testbed of S-100 data distribution and the coordination between the FASTMOS project and the BS-NSMSDIWG.

D8.1 Crowd Sourced Bathymetry (CSB)

Docs: BSHC24_D8.1_DK

Denmark (*Mr. Jens Peter Weiss Hartmann*) presented the work on CSBWG and invited BSHC to consider how CSB can be used by HO's. IHO SEC GEN commented on the legal aspects of CSB and encouraged the MS to consider the potential alternative use of CSB in other fields than Safety of navigation.

The Chair thanked Denmark for the presentation. The BSHC took note of the report.

D8.2 New Ship Route System

Docs: BSHC24_D8.2_DK

Denmark (*Mrs. Elizabeth Hagemann*) presented the joint DK-SE project on new routing measures in Kattegat and Skagerrak. She presented an information folio giving information about the implementation of the new routing system. DK and SE are producing an information folder. The folder will be sent to BSHC MS on completion.

The Chair thanked Denmark for the presentation. The BSHC took note of the report.

ACTION 16: DK to send folder about new routes in Skagerrak and Kattegat when available to BSHC MS.

D9. Information about Strategy review and outcome from NHC

Docs: (Presentation)

Denmark (*Mr. Jens Peter Hartmann*) presented the work done by the Nordic Hydrographic Commission on strategic review of HO's strategies in the Nordic region and compared with the IHO strategic work. A short discussion followed the presentation.

The Chair thanked Denmark for the presentation.

ACTION 17: Denmark to inform about the NHC strategic work at BSHC 25.

D10. BSHC Website

Docs: BSHC24_D10_SE

Sweden (*Mr. Hans Öias*) presented the report and explained the BSHC website usage statistics. All BSHC WG are encouraged to use the web site for presentation of their work.

The Chair thanked Sweden for the presentation. The BSHC took note of the Report and approved the action:

ACTION 18: Sweden to make certain that information of the new routing system is made available on the BSHC WEB site.

E. Any other business

E1. Exchange of experience on data and product migration in new production systems - advantages and disadvantages. Best practice.

Denmark (*Mrs. Elizabeth Hagemann*) presented Denmark's experience with implementation of a new production system and asked MS to share their experience on the change of production system.

DK wish to send out a questionnaire asking BSHC MS to share their experience with the purpose of determining best practice and experience and share the findings with MS. Following some discussion, it was agreed that a questionnaire might not be the best approach. The HOs that have recently implemented new production systems invited Denmark to consult on a bilateral basis, to learn via dialogue. DK will send a questionnaire in advance to relevant member states prior to consultation and visit.

E.2 BSHC Open Forum Meetings in the future?

The BSHC Chair (*Mrs. Pia Dahl Højgaard*) raised the question whether industry should be invited to future meetings of BSHC. Following some discussion the Chair concluded that the existing format, where a separate section of the meeting is reserved for stakeholders to participate, should be maintained, when it is seen as an advantage for the BSHC. It should still be possible for the chair and the host to invite stakeholders to a separate session but not to the BSHC meeting session.

F. Election of new Chair and Vice-Chair

The BSHC Conference elected *Cpt. Andrzej Kowalski* (Poland) unanimously as Chair of the BSHC, and elected *Mr. Patric Wiberg* (Sweden) unanimously as Vice-Chair of the Commission.

G. Place and date of next Conference

According to the regular scheme, Sweden volunteered to host the next BSHC Conference. Sweden (*Mr. Magnus Wallhagen*) announced that the date of the BSHC 25 meeting will be 22-24 September 2020 in Stockholm. The evening of 22 September will be Ice Breaker event.

H. Review of BSHC23 List of Actions

The Conference reviewed the Draft List of Actions of the BSHC24. The draft list of actions was approved after some minor amendments. The draft list of actions will be distributed with the minutes for final approval.

I. Closing ceremony

The BSHC24 Chair (*Mrs. Pia Dahl Højgaard*) expressed special thanks to all participants and expressed utmost gratitude to the host, Poland, for the excellent hospitality. The BSHC24 Chair then declared the conference closed.