

18th MEETING OF THE IHO CAPACITY BUILDING SUB-COMMITTEE

IHO-CBSC18

Video-conference, 2-3 June 2020

REPORT

1. Opening Remarks, Introductions and Administrative Arrangements

Docs: CBSC18-01A List of Documents (Chair)
CBSC18-01B List of Participants (Chair)
CBSC18-01C CBSC Membership (Chair)
CBSC18-01D ToR and RoP (Chair)
CBSC18-01E ToR for the CB Coordinators (Chair)

The 18th meeting of the IHO Capacity Building Sub-Committee (CBSC), due to the COVID-19 pandemic took place by video-conference from 2 to 3 June 2020. The meeting was chaired by Mr Thomas Dehling, Chair of the CBSC who opened the meeting and welcomed the participants to this meeting in an unusual format. The Chair provided some administrative information and explained the rules to ask the floor.

He thanked all by having updated the documents and mentioned that in his opinion there is no need to change the ToR.

The Chair introduced the new Members and invited the others to introduce themselves.

Action 1: Secretary to update the CBSC Membership with the inclusion of Indonesia (Captain Yanuar HANDWIONO) (deadline: 10 June 2020).

2. Approval of Agenda

Doc: CBSC18-02 Agenda and Timetable (Chair)

Participants were invited to comment the agenda and timetable in case updates were necessary. The agenda was subsequently adopted.

The Chair mentioned the need to elect a Vice-Chair, provided the names of the candidates and explained that the election will be conducted by email. The Members were invited to send their votes to the secretariat until 12:00, 3 June.

3. Matters arising from Minutes of CBSC17 Meeting

Docs: CBSC18-03A Minutes of CBSC17 (Chair)
CBSC18-03B Status of Action List from CBSC17 (Secretary)

Chair invited Members to comment the CBSC17 Minutes and to provide updates to the List of Actions from CBSC17.

The Secretary mentioned the need to work more on the Performance Indicators. Stated also the work on procedure 9 Guidelines to conduct technical visits done by New Zealand. About C55, the Secretary mentioned the need to the revision of C55 and to integrate the inland waters.

The CBSC17 Minutes are approved and the List of Actions updated.

Decision 1: to approve the Minutes of CBSC17 (doc. CBSC18-03A).

Action 2: Secretary and NZ to incorporate the template for Technical Implementation Visits in the CB Procedure 9 and report to the CBSC (deadline: 31 August 2020).

Action 3: Secretary to update the list of actions from CBSC17 (doc. CBSC18-03B) (deadline: 30 June 2020).

4. Reports by the Chair and the IHO Secretariat

Docs: CBSC18-04A Report by the Chair (Chair)

CBSC18-04B Report by the IHO Secretariat (Secretary)

The Chair highlighted that the revised Capacity Building Strategy still proves to be very efficient. The revision of the IHO Strategic Plan and the progress in S-100 placed some demands on the strategic focus already reflected in the CB Strategy.

He reported that CB played an important role at 3rd Council meeting in Monaco, in 2019 and that the work of the CBSC is appreciated and seen as one of the major strategic endeavors of the IHO. Also, mentioned the discussion about the increase of CB funds via IRCC and that some scenarios were discussed and forwarded to Assembly 2.

Chair enhanced the fact that the CB fund is very important especially for the countries that do have the capacity to develop without support. But the funds are limited and less than needed so, it is necessary to stick strictly to the strategy and regulations. The impact of Covid19 disturbed the CB work programme heavily and is expected a higher demand of funds in the next years especially on the remote learning techniques. The proposal from ROK, to create an IHO e-learning center will for sure be an important contribute.

Chair expressed his gratitude for the generous and continuous contributions of ROK and the Nippon Foundation of Japan that are an important factor of success of the CB.

The report from the IHO Secretariat was provided by the IHO Director Iptes. He reported on new IHO Member States Solomon Islands, Ghana and Samoa which had been achieved with strong support of the CBSC and the CBWP. He also noted that Dominican Republic was reinstated, and that Serbia, Syria, Democratic Republic of the Congo and Vanuatu remain suspended.

The theme of World Hydrography Day (WHD) 2020 is "Hydrography - enabling autonomous technologies" which highlights the pivotal role of hydrography in autonomous technologies. The International Hydrographic Review provides an ideal opportunity for Regional Hydrographic Commissions and Member States to publicize technical and other achievements in the region.

Despite these difficult times, the IHO Secretariat made an effort to support the continuation of the CB Work Programme which, in 2020 as remained at the same level than in 2019. Director Iptes enhanced also the important support provided by the Nippon Foundation of Japan, the Republic of Korea and by the contribution from the IHO budget with in-kind support from Member States and from industry stakeholders.

He also reported that the Secretariat is working with the C-55 Review Project Team to establish a harmonized and consistent process to update C-55 using CATZOC that the IHO Secretariat, in the beginning of 2020, received an intern supported by the Nippon Foundation of Japan and that a server has been established to host online training material.

Decision 2: to note the reports under agenda item 4.

Action 4: Secretary to endeavor to make the seminar and workshops materials available in the new server devoted to training material (<https://cb.iho.int>) (deadline: CBSC19).

5. Regional Assessment of CB Activities

5.1 Reports of the Regional Hydrographic Commissions (RHC)

<i>Docs: CBSC18-05.1A</i>	<i>EAHC Report</i>
<i>CBSC18-05.1B</i>	<i>EAtHC Report</i>
<i>CBSC18-05.1C</i>	<i>MACHC Report</i>
<i>CBSC18-05.1D</i>	<i>MBSHC Report</i>
<i>CBSC18-05.1E</i>	<i>NIOHC Report</i>
<i>CBSC18-05.1F</i>	<i>RSAHC Report</i>
<i>CBSC18-05.1G</i>	<i>SAIHC Report</i>
<i>CBSC18-05.1H</i>	<i>SEPRHC Report</i>
<i>SC18-05.1J</i>	<i>SWPHC Report</i>
<i>SC18-05.1K</i>	<i>USCHC report</i>

a) CBSC18-05.1A EAHC Report

The Representative introduced the report, mentioning that a five-year plan for CB activity in the EAHC) region was discussed at the 11th EAHC Training, Research and Development Centre Board of Directors meeting in February 2020.

He reported the CB activities completed in 2019 (one Technical Visit to Cambodia, a Course of MSI and a MSI Management Workshop in Indonesia and a risk assessment for hydrographic surveys and charting management for the safety of navigation in Brunei Darussalam).

The plans for 2020 include an S-100 Training Course at ROK and an EAHC Basic Cartography Course with an S-100 Seminar in Thailand.

The Representative provided some amendments to the report, also Japan mentioned the change on the visit to Cambodia from a Technical Visit to a High Level Visit and that it is expected that soon Cambodia will start the process to become an IHO member.

b) CBSC18-05.1B EAtHC Report

The Representative introduced the report, presented the CB activities completed in 2019 and highlighted the Joint IALA & IHO Capacity building workshop on hydrography and marine aids to navigation in Africa (21-24 October 2019, Morocco, Rabat). The joint efforts of IHO and IALA have resulted in a significant participation. He also mentioned the Technical Visit to Gambia (20-26 July 2019), led by UKHO. In relation with the planned activities there are some uncertainty due to the evolution of the Covi-19 pandemic situation.

The organization of a seminar/workshop before an RHC conference is considered very important in the region where most coastal States are not Members of the IHO.

The Secretary enhanced the difficulties in this region due to the lack of hydrographic capabilities.

Director Iptes noted that hydrographic capacity development in the EAtHC region remains a real challenge. To improve the situation, he mentioned the IHO support in the involvement of other MS in supporting the CB in this region.

The representative of Brazil expressed the willing of Brazil in support the Lusophone countries in the region.

c) CBSC18-05.1C MACHC Report

The Representative introduced the report and mentioned the three-year plan for CB activity in the MACHC region that covers the period 2018-2020 and is reviewed annually, based on assessing the

phase of development of each of the coastal states and that the future one for the period 2021-2023 has been already drafted. She also mentioned the CB activities completed since the CBSC17 and the activities planned for 2020 and expressed the concerns related with the COVID-19 pandemic impact.

Director Iptes mentioned that this region is also a focus area for IHO for the support provided and enhanced the number of islands and states and the need to continue the support to this region.

d) CBSC18-05.1D MBSHC Report

The Representative introduced the report and in relation with the CB activities completed in 2019 mentioned the Technical Visit to Lebanon and the expectation that Lebanon became an IHO MS in the near future. For the 2020 WP this region has three activities pending on CB funds. The Representative also expressed the general concerns of the region MS in relation with the move to S-100 and that it will be important to have some support.

The Secretary enhanced that the concerns with the move to S100 is common to most of the regions.

The Representative from Italy mention the need to have bilateral agreements to support development countries, as a good model to solve some of the issues and the lack of CB funding and provided some examples where Italy has been involved with other countries.

e) CBSC18-05.1E NIOHC Report

The Representative introduced the report and mentioned the three-year plan for the CB activity in the NIOHC region that covers the period 2018-2020 and is reviewed annually, also mentioned that the future one for the period 2021-2023 has been already drafted. She mentioned that there is a great need of 'SOLAS awareness' in this region. She also stated that the COVID-19 pandemic had already impact in the postponement of the NIOHC20 Meeting and in the MSI Training Course planned and enhanced that the MSI courses are very important in the region.

The Chair highlighted the support in the region from India and UK.

f) CBSC18-05.1F RSAHC Report

The Representative introduced the report and mentioned some specificities of the region. Also stated that due to the COVID-19 pandemic the Technical Implementation Visit to Iran was postponed for the end of 2020 and the training course in MSI was postponed to 2021.

He enhanced that the region is a political region with communication difficulties among the States. The region needs more joint training courses because the cooperation will be very valuable for the CB. He considers that the Member States need train at the basic level to be able to comply with their responsibilities. The main issue is the lack of communication among the regional MS and some of the members are also members of other regions. He also stated the important support provided by the IHO Secretariat.

The representative of Japan congratulated the Representative for his efforts in the CB of the region and the Chair and Director Iptes agreed.

Decision 3: to acknowledge the efforts of Mr Saeed Parizi as the RSAHC CB Coordinator integrating the region in the IHO WP.

g) CBSC18-05.1G SAIHC Report

The Representative introduced the report and presented the three-year plan for CB activity in the region that covers the period 2018-2020 and is reviewed annually, based on assessing the phase of

development of each of the coastal states and that the future one, for the period 2021-2023, has been already developed.

She also mentioned the CB activities completed since the CBSC17 enhancing the Seminar on Raising Awareness of Hydrography - Cape Town, South Africa 2 September 2019 and the importance of the CB funds that enable the participation of representatives from several countries of the region.

In relation with the activities planned for 2020, expressed her concerns related with the COVID-19 pandemic impact and that the course on MSI was already postponed to 2021.

h) CBSC18-05.1H SEPRHC Report

The Representative introduced the report and mentioned that the Region in the last 2 years did not received any CB funds. He enhanced the fact that the region is strongly involved in preparing a new generation of hydrographers with several IBSC Hydrographic recognized courses.

The next 3 years WP are related mainly with S-100, ENC quality control, and Tsunamis Inundation Charts and also asked CBSC to consider funds for the workshop on MSI that is not funded yet.

The Chair mentioned that CBSC will come again to the attributed funds and the ranks of the project's approbation, mentioning that he can liaise with the Secretary.

The Secretary call the attention to procedure 4 and the projects classification.

i) SC18-05.1J SWPHC Report

The Representative introduced the report and presented the CB activities completed in 2019. He highlighted the CBWP 2019 A-02 (Technical Implementation Visit to Niue (former 2018 CBWP A-05), the CBWP 2020 A-03 (Technical Assessment & Advice Visit – Palau & Marshall Is), the CBWP 2020 P-06 (Training for Trainers on MSI) and the CBWP 2020 P-09 (Technical Workshop on MSI for Managers & Disaster Framework), mentioning that all were very successful initiatives.

He mentioned other important programs running in the region and that a Tonga Navy representative completed the Joint International Hydrographic Applied Science Program of the University of Southern Mississippi (IBSC Category A Programme).

In relation with the activities planned for 2020 there is the intention to maintain the Technical Implementation Visit to Somoa CBWP A-10 and that the CB workshops are considered a good strategy.

The representative of Japan stated the difference between the Hydrographic Region and the SAR area which implies that it will be good to link the projects in both regions.

Director Iptes expressed that this is another focus area for IHO due to the need of hydrographic investment and development. He also mentioned the appreciation of the effort of Australia and New Zealand in the region and other MS in providing training and enhanced the good collaboration among MS highlighting the need of mutual cooperation in the CB objectives.

Decision 5: to note the value and effectiveness of preceding SWPHC meetings with CB related workshops.

Decision 6: to note SWPHC's commitment in carrying forward hydrographic, nautical cartographic and capacity building activities in close alignment with IHO objectives and goals.

j) SC18-05.1K USCHC report

The Representative introduced the report and presented the CB activities completed in 2019. He

highlighted that NOAA Coast Survey hosted a three-day Chart Adequacy Workshop, followed by a Nautical Cartography Open House from 23-26JUL19.

Following the Chart Adequacy Workshop, NOAA welcomed over 250 attendees from the U.S. and abroad to the third annual Nautical Cartography Open House. In 2020 due to COVID-19 pandemic this event is not planned.

In relation with the activities planned for 2020 mentioned the training opportunities at the University of Southern Mississippi (USM) and at the University of New Hampshire (UNH). It was also enhanced the NGA cat. B Competence Training for Nautical Cartography course and its importance in the CB and concluded that USCHC members continue to support various Capacity Building projects worldwide and that there are increasing opportunities for training aligned with IHO objectives and goals.

The Secretary mentioned the importance of the Cat. B course and asked if there is any scholarships and how the divulgation is done. The representative mentioned that is more through bilateral relations.

Action 5: USCHC to prepare guidelines for countries to apply to Cat A and Cat B Navy programs (deadline: 30 June 2020).

Decision 7: to note the reports under agenda item 5.1 (docs. CBSC18-05.1A to K).

5.2 Update and closure of the 2018 CBWP

Doc: CBSC17-05.2 Closed 2019 CBWP

The Representative of New Zealand provided an input to update TIV to Somoa that was postponed (former 2019 CBWP A-01) now in CBWP 20202 A.10.

The participants noted the 2019 CBWP and no additional input was provided. The meeting then decided:

Decision 8: to approve and close the 2019 CBWP.

6. Regional or other projects for CB

Docs: CBSC18-06A JICA training course on Hydrography (Japan) (EAHC)

The Representative from Japan introduced the JICA training Course on Hydrographic Survey to the participants and mentioned that the candidates should apply to the Japan government. This course is recognized by the FIG-IHO-ICA International Board on Standards of Competence for Hydrographic Surveyors and Nautical Cartographers (IBSC) at Category "B" level. All expenses incurred to participate in the training course are covered by JICA, including tuition fees, return air ticket, accommodations and per diem. This year due to the divulgation provided by the CB coordinators they received three times more applications.

Chair thanked Japan and enhanced the cooperation from the regional CB coordinators and the following action was agreed:

7. Outcomes of the 3rd meeting of the IHO Council and the Strategic Issues of the CBSC

Docs: CBSC18-07A IHO Capacity Building Strategy (Chair)

CBSC18-07B Decisions and Actions from C-3 (Secretary)

CBSC18-07C List of Proposals to A-2 (Secretary)

CBSC18-07D Establishment of an IHO e-Learning Center (KHOA)

The meeting considered the IHO CB Strategy and the way ahead for the CB Strategy, including the

development of projects to seek donor funds and how to measure the success of the CB Programme. The outcome of C-3 was also considered.

a) Strategy:

The Chair considered that the current IHO Strategic Plan is adequate.

b) Decisions and actions from C-3

Chair stressed the main outcomes of the 3rd Meeting of the Council related with the CBSC Work Programme. Of particular importance is the need to develop a system of performance indicators to measure, the effectiveness and efficiency of CB activities. This system should be oriented by the expected effects of CB support, not on the direct achievement of the CB activities.

c) CBSC18-07C List of Proposals to A-2 (Secretary)

CBSC18-07D Establishment of an IHO e-Learning Center (KHOA)

Regarding PRO-3.3 to A-2 (Establishment of an IHO e-Learning Center) a proposal from KHOA, the Chair asked some clarification about the expected role of CBSC and IHO.

The representative from KHOA explained that the objective is to have an e-learning center that can share contents, many academies are developing modules and courses, the intention is to joint those contents in a center with e-learning CB activities, involving other countries in order to make some progress and that it will be necessary some time to develop the contents.

The Secretary mentioned that is necessary to clarify some more aspects and have a clear view of the objectives, who does what and the costs.

The representative from KHOA mentioned that the funding could be provided by Korea but it is necessary to estimate the necessary funds and have some cooperation. About the control, the intention is that the e-learning center be controlled by the IHO.

The representative from KHOA explained that in the e-learning Center, the responsibility should be specified by guidelines. KHOA will provide the platform and operation and management support and the objective is to have a platform for instructors and students that will allow interactive learning.

Decision 9: regarding PRO-3.3 to A-2 (Establishment of an IHO e-Learning Center), the CBSC:

- a) recognizes the importance and very high potential of distant learning or e-learning for the improvement and extension of Capacity Building activities in hydrography.
- b) specifies e-learning in this proposal as all forms of learning, where electronic or digital media are being used for presentation and distribution of learning material and/or to support communication in learning.
- c) is aware that the CoVID-19 pandemic and its consequences puts much more pressure on the development of e-learning means.
- d) sees that e-learning development is extremely limited with the current capabilities of the IHO CB Fund.
- e) therefore welcomes the initiative and generous offer from Republic of Korea to establish and support an IHO e-Learning Center, to provide the infrastructure and to cooperate with IHO, its Member States and industry.
- f) suggests to further develop the structure and framework of an IHO e-Learning Center together with ROK and IBSC by setting up a Project Team and to report to IRCC12, so this can be taken to A-2, where the inputs from the CBSC are expected as in ACL-19.

Decision 10: to establish a Project Team (Brazil, France, ROK, Turkey, United Kingdom, Secretary) to further develop the structure and framework of an IHO e-Learning Center (PRO-3.3), PTe-Learning.

Action 7: CB Coordinators to provide input to the work of the PTe-Learning (deadline: 30 June 2020).

Action 8: PTe-Learning to work with IBSC and ROK on the development of the structure and framework of an IHO e-Learning Center and report to IRCC12 (deadline: IRCC12).

8. Operational issues of the CBSC

8.1 Draft CB Procedures

The Secretary mention he is working in parallel on the procedures because all should have coherence.

8.2 CB Management System update

Doc: CBSC18-08.2A *CB Management System update (Secretariat)*

The Secretary did an explanation on the situation point of the CB Management System update and mention that is necessary to test it.

Action 9: CB Assistant to work with ROK and prepare and invitation to CB Coordinators to test the CBMS and collect feedback them (deadline: 30 June 2020).

Action 10: CB Coordinators to test the CBMS using its Manual (doc. CBSC18-08.2B) and report to the Secretary (deadline: 30 November 2020).

8.3 C-55 Status and Developments

Doc: CBSC18-08.3A *C-55 Status and Developments (Secretariat)*

CBSC18-08.3B *C-55 Limitations and Recommendations (C-55RPT Chair)*

a) IHO Sec Status

Secretary updated the meeting on the status of C-55 Status of Hydrographic Surveying and Nautical Charting Worldwide and the automatic process of updated the database with the information from the ENC's CATZOC's. The meeting agreed on the following actions:

Action 11: Secretariat to investigate the implementation of an automatic process to update C-55 using CATZOC from the Secretariat's database in accordance with doc. CBSC18-08.3B and report to the C-55RPT (deadline: 30 June 2020).

Decision 11: to continue the work of the C-55RPT under a revised ToR to be agreed by the CBSC via correspondence, proposed by the C-55RPT.

Action 12: C-55RPT to meet and establish the way forward for C-55 beyond the framework in doc. CBSC18-08.3B (deadline: 30 June 2020).

8.4 Performance Indicators and Statistics

Doc: CBSC18-08.4A *Performance Indicators and Statistics (Chair)*

In the document doc. CBSC18-08.4A Chair presented the Performance Indicators and relevant statistics related to CB.

8.5 National Hydrographic (Coordinating) Committee (NHC/NHCC)

Doc: CBSC17-08.5 Legislation model for NHC/NHCC (Secretary)

The Secretary reported that was not received sufficient feedback to produce examples of legislation or a legislation model for the establishment of the National Hydrographic (Coordinating) Committee (NHC/NHCC).

8.6 Review of the 3-year RHC Work Plans 2018-2020

Docs: CBSC17-08.6A MBSHC 3-year Work Plan
CBSC17-08.6B EAHC 3-year Work Plan
CBSC17-08.6C EAHC 3-year Work Plan
CBSC17-08.6D SEPRHC 3-year Work Plan
CBSC17-08.6E SWPHC 3-year Work Plan
CBSC17-08.6F MACHC 3-year Work Plan
CBSC17-08.6G SAIHC 3-year Work Plan
CBSC17-08.6H NIOHC 3-year Work Plan
CBSC17-08.6I RSAHC 3-year Work Plan
CBSC17-08.6J SWAtHC 3-year Work Plan

Chair thanked the CB Coordinators to having updated of the 3-year Work Plans of each RHC.

The Representative from EatHC raised the general need of support to the transition to S-100 and propose an action.

Action 13: RHC CB Coordinators to organize activities to support the transition to S-100 and report back to the CBSC (deadline: CBSC19).

Decision 12: to note the reports under agenda item 8 (docs. CBSC18-08.2A, CBSC18-08.2B, CBSC18-08.3A, CBSC18-08.3B, CBSC18-08.4 and CBSC18-08.6A to J).

9. CB Management

9.1 Update of the 2020 CBWP

Doc: CBSC18-09.1 Updated 2020 CBWP (Secretary)

The Secretary mentioned that in updating the 2020 CBWP will consider the requests for 2020:

- a) SWAtHC: A-02 TV Bolivia: increase of 1 450 Euros (from 1 430 to 2 880 Euros).
- b) EAHC: A-09 TV Togo: increase of 1 960 or 3 920 Euros (from 5 000 to 6 960 or 8 920 Euros).

He also mentioned the need reported by NZ to change the visit to Somoa to the next year.

Decision 13: to approve additional funding for activities A-02 (TV to Bolivia) and A-09 (TV to Togo) in the 2020 CBWP (doc. CBSC18-09.1).

Action 14: Secretary to update the 2020 CBWP (doc. CBSC18-09.1) for activities A-02, A-09 and A-10 as agreed in the meeting (deadline: 10 June 2020).

9.2 Finance Report

Doc: CBSC18-09.2 Finance Report (Secretary)

The Secretary introduced the finance report. Participants considered aspects related to funding

agencies and the Secretary will include the additional fund.

It was also mentioned the need to transfer the allocated fund to Somoa TV and that most of the inputs to 2021 are estimated.

The Chair mentioned the need to choose between the projects with 31 points, but that there could be more available funds that allow to realize all projects.

The representative of EAthC proposed CBSC to express some concerns to IHO regarding the reducing of contribution to CB activities.

The Chair mention he already raised this concern to IHO Secretary-General and was explained the difficulties to allocate more funds.

IHO Director Iptes explained that the situation did not changed.

Decision 14: to approve the Finance Report (doc. CBSC18-09.2 v2) with the inclusion of the IHO budget surplus (ref. CCL 3/2020) and the TFT budget from the 2020 CBWP to the 2021 CBWP.

Action 15: Secretary to update the Finance Report (doc. CBSC18-09.2 v2) for the IHO budget surplus and TFT fund, in accordance with Decision 13 (deadline: 10 June 2020).

9.3 Management Plan

Doc: CBSC18-09.3 Draft 2021 CB Management Plan (Secretary)

Secretary introduced the 2021 CB Management Plan and the possibility of the CBSC change column 9. He also proposed to include the next MBSHC activity since it requires only 5200€.

Director Iptes mentioned that in the last years there have been two TV to Cambodia.

The representative from Korea mentioned that Cambodia and Timor are countries with the objective to become IHO Members and is important to help them now in developing the Hydrographic Capacity.

The representative from Japan also agrees to the importance on this TV since he believes Cambodia are really close to become an IHO MS.

Indonesia mentioned the importance of a TV to Timor-Leste and the efforts to contribute to the CB of Timor-Leste offering also Hydrographic courses.

Chair suggest to give 3 points in column 9 to the TV to Cambodia.

Decision 15: to amend the weight in the CB Procedure 4, item 9 (value 3) regarding the TV to Cambodia in the Draft Management Plan (doc. CBSC18-09.3).

Action 16: NIOHC and RSAHC Coordinators to review the MBES Processing Course to be combined and inform the Secretary (deadline: 15 June 2020).

Decision 16: to approve the 2021 CBMP with the following changes:

- a) set activity of the MBSHC (Online Workshop on Airborne Lidar Bathymetry, 5 200 Euros) as the last funded activity in 2021.
- b) combine activities of the NIOHC and RSAHC (MBES Processing course) with the value to be provided by both CB Coordinators (ref. Action 17).
- c) changed weight 3 (item 9) of the CB Procedure 4 for the TV to Cambodia (ref. Decision 14).

9.4 Adoption of the 2021 CBWP

Doc: CBSC18-09.4 Adopted 2021 CBWP (Secretary)

Following the approval of the 2021 CBMP, the 2021 CBWP (Doc. CBSC18-09.4) was drafted during the meeting. The following was agreed by the meeting:

Decision 17: to adopt the 2021 CBWP (doc. CBSC18-09.4) derived from the approved 2021 CBMP (doc. CBSC18-09.3 v4).

10. Report from the CBSC to the IRCC11 Meeting

The Chair mentioned that the CBSC report to the IRCC will be send to the CB members for eventual comments.

Action 17: Chair, Vice-Chair and Secretary to prepare the CBSC Report to IRCC12 (deadline: IRCC12).

11. Any other business

The representative from Spain presented the courses that the Spanish Hydrographic Institute has available to Spanish speakers and the Cat. A and Cat. B Hydrographic courses. The current courses normally have foreigner students normally militaries, under military cooperation initiatives. He also mentioned that e-learning course could be delivered by other instructors.

Action 18: Spain to issue a report to the Secretary with the availability of courses and the process to apply to them (deadline: 10 June 2020).

Action 19: Secretary to upload the report from Spain to the website (following Action 19).

12. Next CBSC Meetings (venue and date)

Chair invited participants to confirm the dates and venues for CBSC19, CBSC20 and CBSC21. The following decision and actions were agreed:

Decision 18: to hold the next CBSC meetings as follows:

- a) CBSC19: 14-16 June 2021 – Monaco, followed by the CB/IBSC Stakeholders' Seminar (17-18 June)
- b) CBSC20: May / June 2022 – Ecuador (pending confirmation, with Japan as the backup)
- c) CBSC21: May / June 2023 – Japan (pending confirmation for CBSC20)

Action 20: Secretary to contact Ecuador in order to obtain confirmation for hosting CBSC20 in 2022 and report to the CBSC (deadline: 10 June 2020).

13. Review of the List of Actions and Decisions

Doc: CBSC17-13 *Draft list of actions and decisions from CBSC18 (Secretary)*

The Secretary presented the draft list of actions decisions of CBSC18 drafted during the meeting, subsequently reviewed by the participants (Doc. CBSC18-13).

Decision 19: to approve the draft list of actions and decisions agreed during the meeting (doc. CBSC18-13).

14. Election of Chair and Vice-Chair

Doc: CBSC18-14 *Candidates for Chair and Vice-Chair (IHO Sec.)*

Current CBSC Chair has indicated his intention to step down at the end of the CBSC18 and the CBSC Vice-Chair has also indicated his willingness to be candidate for CBSC Chair position. For the position of CBSC Vice-Chair there is currently two nominations, Massimiliano Nannini from Italy and Luiz Claudio from Brasil.

All members (18) supported the election of Evert Flier as Chair.

After a vote process for the position of Vice-Chair by email the results were:

- 15 votes to Luíz Claudio (Brazil);
- 3 votes to Massimiliano Nannini (Italy).

The Chair congratulated the elected Chair and Vice-Chair and invited both to mention some words.

Director Iptes mentioned some farewell words since it will be his last participation on the CBSC meetings. He enhanced the leadership on Thomas Dehling, the importance of the CB coordinators and the contribute from the Secretary. He also mentioned the importance of the contribution from Korea and Japan.

Evert Flier thanked Director Iptes for all the support and reinforce the important collaboration from Alberto Costa Neves and Thomas Dehling.

The Secretary thanked all for the collaboration during the 9 years on the CBSC, with a special thank you to the Chair and the Director Iptes.

Decision 20: to appoint Mr Evert Flier (Norway) as the Chair and Mr Luiz Claudio Fonseca (Brazil) as the Vice-Chair of the CBSC.

15. Closure

The Chair closed the meeting at 13h45, after acknowledging the work of those who contributed for the meeting.