BSHC MWG workshop 14 Nov 2018 Consensuses following a review of the HSPT Chapter Drafts for the future 6th Edition of S-44

1) The Matrix plus the Table 1 is a good option. The MATRIX may well be a loose "item" to be added rows liberally. The respective table 1 shall be tied to safety of surface navigation and followed strictly in HO survey work.

2) A stricter Order is required in Table 1 [not common consensus]

3) HSPT3 should review the values in Table 1 (connected to point 11 below) [only line spacing to coverage, switching from 40m to 50m]

4) It should be well emphasized that the Table and Matrix are no substitute for the text

5) There should be no direct link between S44 and CATZOC

6) Use the VIM definitions as closely as possible (There is a mix between hydrographic terms and VIM terms)

7) Grids should be described in the S44, if not in the main part of the standard, then at a minimum as an annex. It needs to be clearly addressed how the quality of a grid should be assessed/evaluated. [reduced strongly, a gridded byproduct / result of the survey? Grid is a tool for sounding selection and forming a surface]

8) S44 should be technology agnostic [no more SBES line spacing and LiDAR point spacing -> **point %-coverage**]

9) Seadatanet.org could be a viable metadata standard to follow [basic metadata demand, not as extensive as earlier work versions]

10) BSHC wants to maintain pressure that C-13 be reviewed and updated after the work on S44 [a proposal for HSSC of a permanent WG, maintaining S-44 ed 6]

11) BSHC does not wish to see a looser Order in Table 1. However, the value for THU in Order 2 for surveys beyond 200m depth being almost impossible to achieve, it was suggested to evaluate if the depth dependent term could be modified to a function with an exponential increase. That also can be used for Crowd Source Bathymetry and transit lines.

12) BHSC recommends a modification to the *Recommended Line Spacing* criteria [3 / 5 times water depth, remove due to interpretation and recommendation status, %-coverage of the whole area, not just one location – spreading of the reduced depths? Point spacing – minimum distance between reduced depths. Intelligent solution proposals required]

13) From Edition 5: "…detect a sufficient high proportion of any features." This sentence is too vague and should definitely be replaced. [plenty of discussion]

14) The content of the Chapter 6 (5th Edition) should be moved to the annexes (possibly as Annex D) with the mention that it should be moved to C-13 [taken out of ed 6 draft -> list of items to C-13]

15) Section 6.4 (floating objects) of the draft version of the 6th edition is very difficult to deal with. It was suggested that each MS discuss Section 6.4 internally and develop a consensus that could be forwarded to BSHC. [plenty of discussion]

16) Section 6.3 of the draft version of the 6th edition belongs in chapter 6 but references to it could be made in chapter 2 "Horizontal and Vertical Positioning". [has been moved to ch 4.2 and 5.3, remain 4.2 + text from 5.3. DK: ITRS where available in sufficient accuracy]