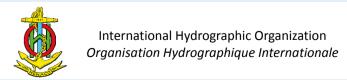
#### Hydrographic Services and Standards Committee

# Report of the International Cable Protection Committee Docs: HSSC11-07.8A

ICPC activities affecting HSSC

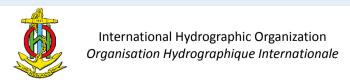
Graham Evans ICPC Chairman Managing Director EGS Survey Group gevans@egssurvey.com





ICPC represented at NCWG-4 and resubmitted a proposal to adapt S-4 charting specifications for submarine cables taking into account deep sea mining (amendments to S-4 B-443 and C408) to align with IHO Resolution 4/1967

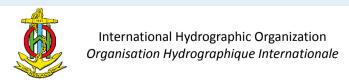
- All HOs saw no problem to chart cables providing reliable information provided (as laid routes not planned routes)
- No effect to S-57/S-100 standards were identified
- No requirement to change the chart text box (Germany) considering that instruction is provided via the Mariner Handbook
- In order to avoid new Member States approval on new proposed wording, where possible, reference to resolution 4/1967 will be made.
- Draft text will be circulated around for approval.





Engagement with the International Seabed Authority continuing

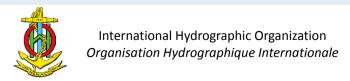
- ICPC participated in Parts 1 and 2 of the 24<sup>th</sup> session and Part 1 of the 25<sup>th</sup> session in Kingston
- Conducted side event during Part 2 Assembly highlighting UNCLOS Due Regard principles specifically related to submarine cables and deep seabed mining in ABNJ
- Joint ISA/ICPC workshop was held October in Bangkok with participation of stakeholders including mining contractors, legal academics, lawyers, system owners, ISA LTC and Secretariat, route planners/survey organizations, cable maintainers, system suppliers, Sponsoring States
- Availability of charted positions of submarine cables to mining contractors identified as a means of planning and de-conflicting mining operations with submarine cables
- ISA see ICPC engagement with IHO as positive and supports ICPC objective to chart cables in the deep ocean
- Issues of mutual mining and submarine cable confidentially issues remains an issue
- ICPC would like to have mining block boundaries to appear of navigational charts





ICPC was represented at the IHO Crowdsourced Bathymetry Industry Workshop held in Quebec in February 2019 hosted by the IHO and Canadian Hydrographic Service

- ICPC re-stated its position contained in the paper submitted at HSSC-10 in response to action item HSSC9/54
- Participants accepted the confidentiality and ownership of data collected during cable route surveys
- In response to the ICPC comment regarding the limited and linear nature of cable route survey data sets; the view was expreseed that any data contribution was valuable
- The suggestion was made that maybe seabed features of interest could be highlighted and not the entire data set
- Provision of cable route survey data to support crowd sourced bathymetric data is an ongoing topic within the ICPC
- One concept to be explored is to provide a data provision opt in or opt out option in survey contracts





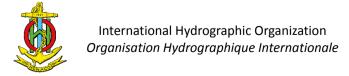
- ICPC has created a Charting Working Group comprising a cross section of members from system owners/operators; maintenance companies; route planners and survey companies
- Working Group Terms of Reference have been drafted and agreed
- Terms of Reference address both MOU and Road Map objectives



# Problems or outstanding issues

#### Road Map 2018 activities not achieved:

- Working with IRCC to promulgate IHO/ICPC MoU did not move forward Primarily due to ICPC being unable to attend the Goa IRCC as planned and momentum lost
- Definition of parameters and way forward for pilot project with MSDIWG/OGC remains outstanding
- On-going debate within the ICPC regarding cable charting policy driven by concerns over security/malicious acts by state and non state actors

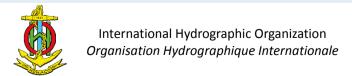




#### Future Work Plan - Revised

Activity	Target Schedule
ICPC to work with IRCC to promulgate IHO/ICPC MoU objectives	2019 onwards
Define parameters for pilot project with MSDIWG/OGC	2019/20
ICPC to develop data exchange protocol	2019/20
Develop data standards	2019/20
Complete pilot project with focus on deep sea mining areas	2020
Develop submarine cable product specification for S-4XX	2020
Migrate submarine cable data to S-4XX	2022
Develop on-going cable data maintenance protocol	2020-2022

Annual progress reviews reported at HCCS and ICPC Plenary meetings





# Action requested of HSSC

- ICPC invites the HSSC to note this report
- ICPC invites the HSSC to Note formation of ICPC Charting Working Group and associated TOR as a means of meeting MOU and Road Map objectives
- ICPC invites HSSC to investigate the inclusion of ISA designated mining boundaries on charts
- ICPC invites the HSSC to note the revised Road Map and ICPC commitment to achieve stated milestones

