



16th Meeting of the Hydrographic Services and Standards Committee

Report of the ECS PT

HSSC-16 Tokyo, Japan 27 - 31 May 2024



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Membership

14 Hydrographic Offices

Expert Contributors

PT currently is HOs only however next step is to appoint OEMs and maritime administrations.

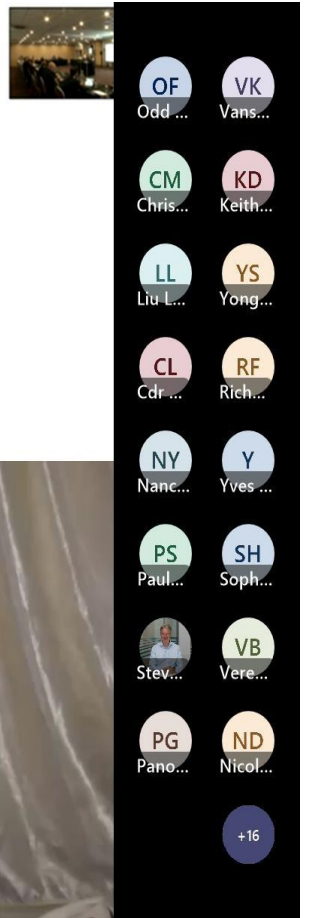
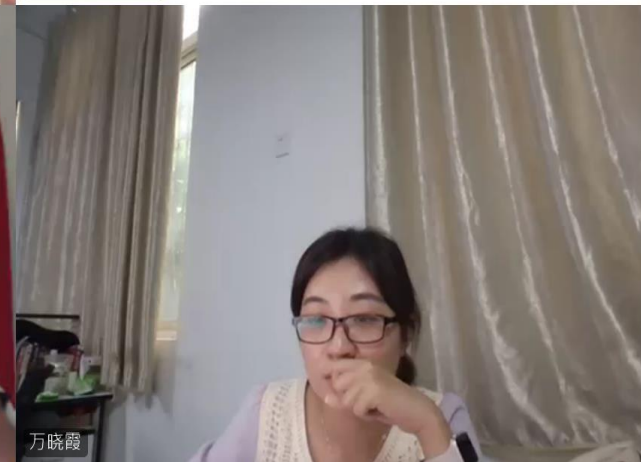
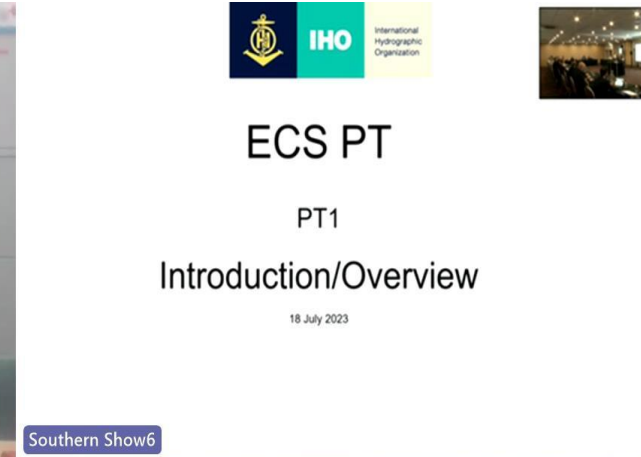
Multiple ECS OEMS have already expressed interest (Navico, Raymarine, TimeZero etc.)

VTC Meetings

18th July 2023 Bristol 1st PT physical meeting.

Next meeting VTC April (TBC)

Future physical meeting at ENC WG9 (Oct 2024)





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PRINCIPAL ACTIVITIES AND ACHIEVEMENTS

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Activities / Meetings	Achievements
PT1 Meeting Bristol July 23	Task Plan Created against each of the TORs.
	ECS PT group established, Chair and Secretary elected.
Post PT 1 Activity via correspondence and IHO	Surveys drafted, approved and issued by the PT to HOs, Maritime Administrations, OEMs and end users.
	UKHO analysing and concluding results of the surveys to be shared at next PT meeting (April, Tbc)
Admiralty Technical Conference, CIRM and RIN conferences	PT chair presented to ECDIS and ECS OEMs at conferences on the PT activities, ambitions and answering initial questions.
RTCM (monthly meetings via SC-109)	UKHO have rejoined RTCM and are helping them update the old ECS standard for to today's specifications and to incorporate changes for the future S-100 data model.



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PROBLEMS OR OUTSTANDING ISSUES

International Hydrographic Organization	ECS PT	Problems/Issues
	ECS Security scheme	ECS PT needs to decide on whether we should be recommending purely S-100 data in an ECS rather than the current S-57. ECS PT (ENC WG) will need to task S-100 WG and engage with Security Scheme PT to start identifying a solution possibly via a modification to S-100 part 15 specifically for ECS.
	Lack of engagement from Maritime Administrations	ECS PT has received limited responses to the maritime administration survey that was sent out. The PT will seek closer collaboration in future and would like more flag states represented in future decisions that affect them. No definitive contact list for the SMEs (policy makers) at flag states exist via IHO or IMO.
	Hydrographic Office coverage for the ECS mariner	Some HOs have confirmed they will not have capacity or there are governmental priorities that prohibit the ability to provide extensive ENC coverage of the smaller ports and areas where the ECS mariner typically navigate. Any recommendations or proposed solutions from the PT will likely need to consider how official data can work in conjunction with proprietary data formats.
	IHO Singapore Lab	ECS PT have not been consulted or engaged with the project proposal at the lab to load S-101 and S-102 into ECS software. The PT would welcome closer collaboration with the lab project team.



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FUTURE WORK PROGRAMME

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1. Appoint OEMs as expert contributors into the PT.
2. Conduct a series of workshops with OEMs to understand any concerns, opportunities and impacts that the PT needs to be aware of when providing any recommended solutions.
3. Appoint flag states (Maritime Administrations) as expert contributors.
4. Conduct meetings/workshop with flag states to create a vessel segmentation model.
5. Continue to engage with RTCM and MCA (miniECDIS) to build an ECS standard that could be used to self-certify or type approve against.
6. Discuss and agree as a PT whether a new ECS security scheme is required and if so, report back to the ENCWG, Security Scheme PT and S-100 WG.



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ACTIONS REQUESTED FROM HSSC

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1. Note the report of ECS PT.
2. Collaborate with IHO SG lab on ECS projects