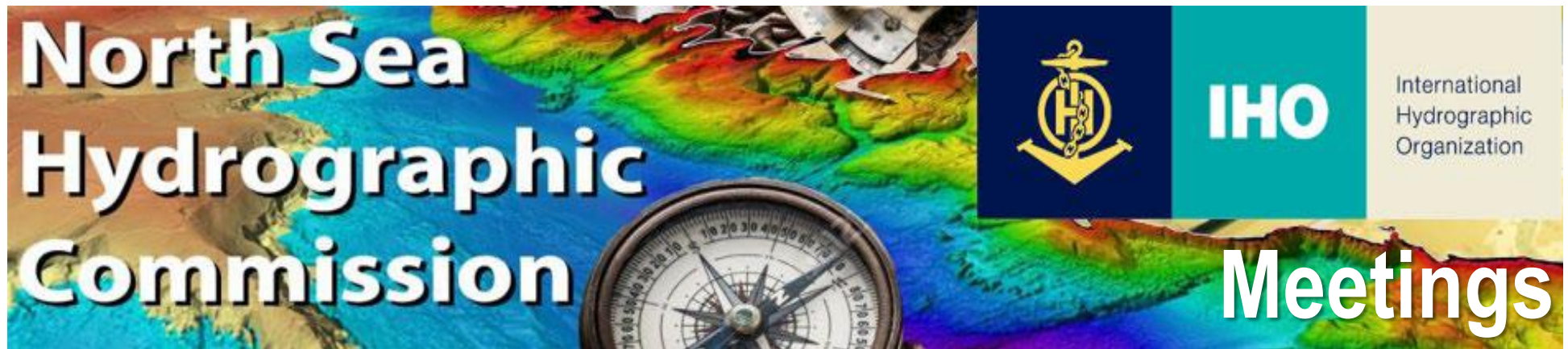


Report of the Resurvey Working Group (RWG) to the 36th North Sea Hydrographic Commission

Leendert Dorst
On behalf of RWG12



Full meeting:

12th Meeting in Amsterdam (NL), December 1st, 2022

Attended by BE, DE, DK, FR, NL (RNLN and RWS), UK (UKHO and MCGA)

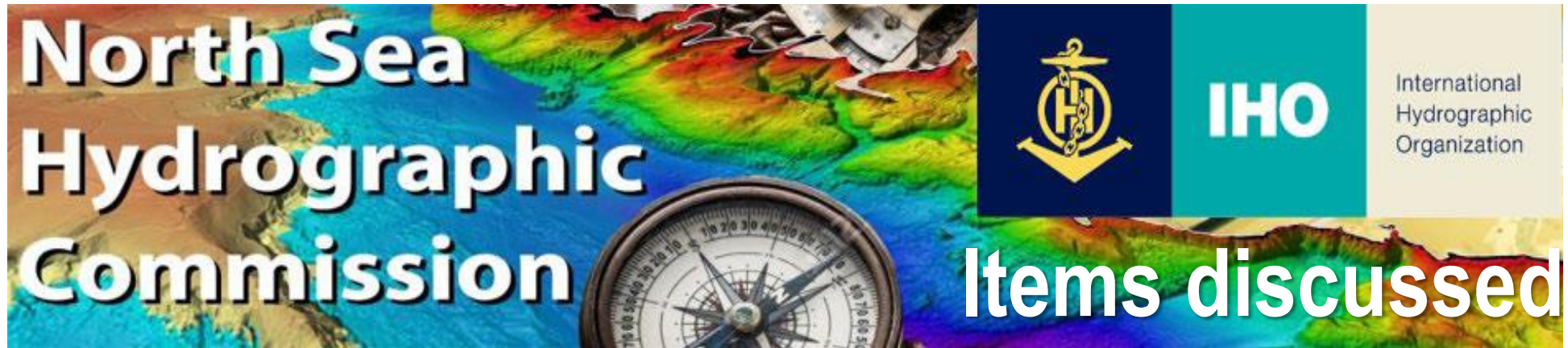
Chair and secretary: Leendert Dorst (NL), Noortje ten Broeke (NL)

Guests: University of Twente, North Sea Shipping Group

Online sessions:

8 June 2022

1 March 2023



National developments including alternative survey techniques

Overview maps

MCA/EGS Routine Resurvey Questionnaire (Ref. NSHC-RWG13)

North Sea Shipping Group

Ocean Observation – Sharing Responsibility initiative of DG Mare of the EC
(Ref. IHO/EU Network WG 13 & European Maritime Days, Brest, 23-25 May)

Other follow up from NSHC35

Future leadership of the NSHC Resurvey Working Group

Marine Sandwave and River Dune Dynamics 2023 conference

North Sea Hydrographic Commission

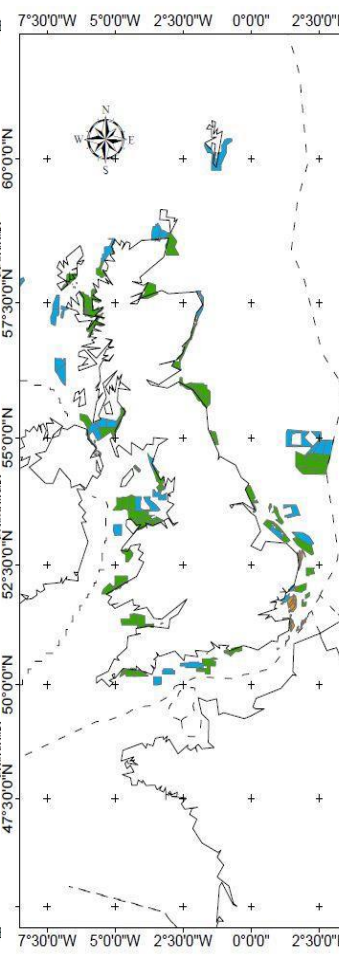
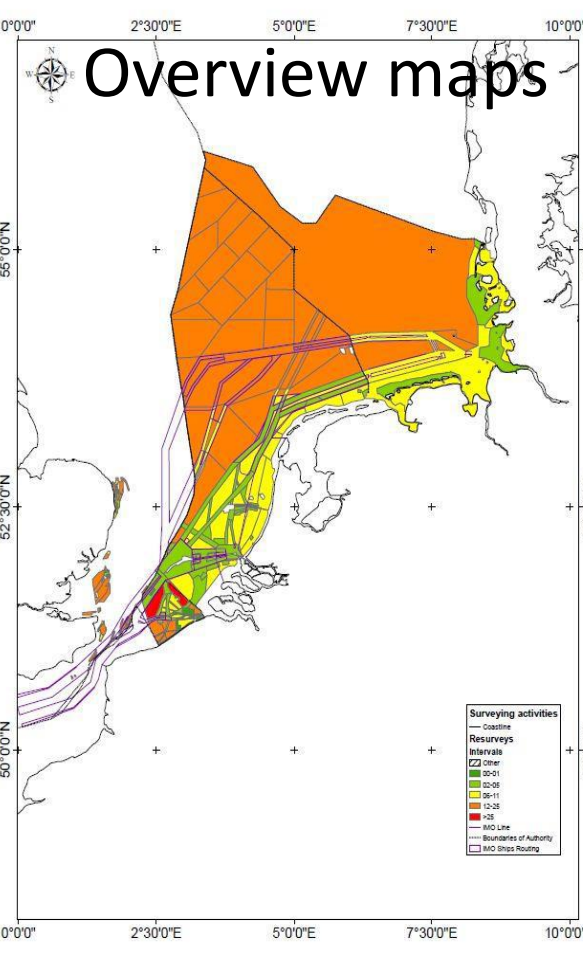
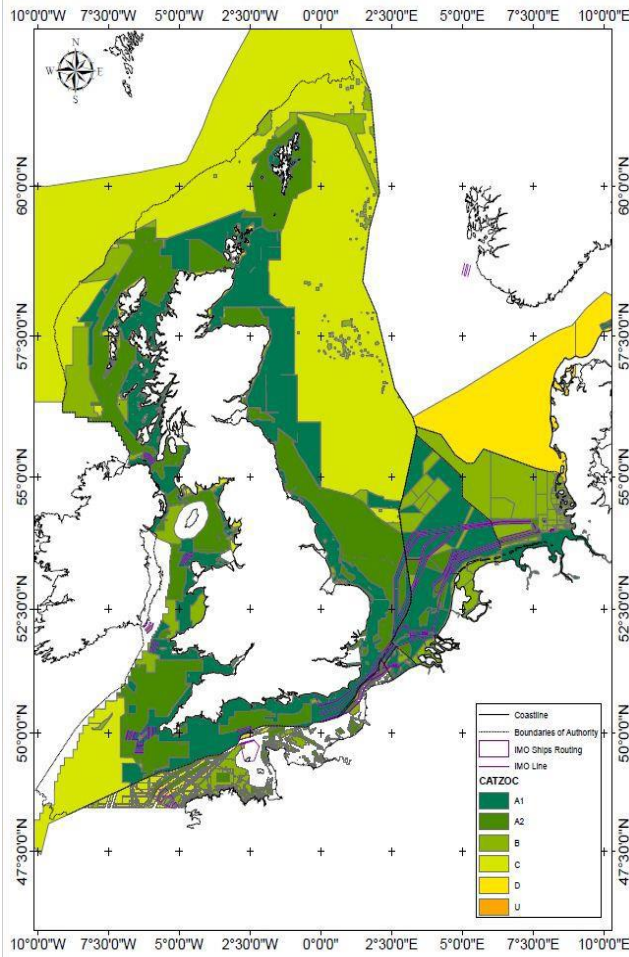


IHO

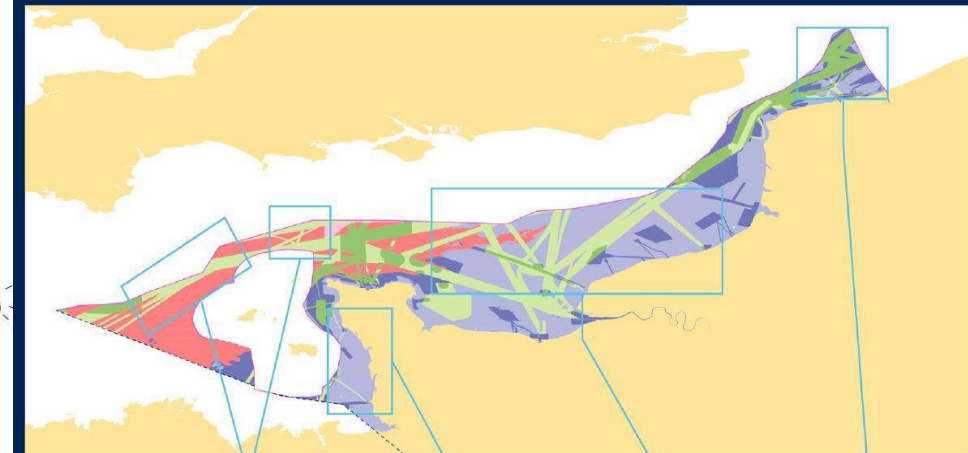
International
Hydrographic
Organization

Request 1

Overview maps



Eastern Channel - North Sea façade



PRINCIPLE PROGRAMME



Survey of traffic separation schemes in the Channel

30 days

Continuation of the survey from Lannion to Raz Blanchard

20 days

ORE survey in Normandy

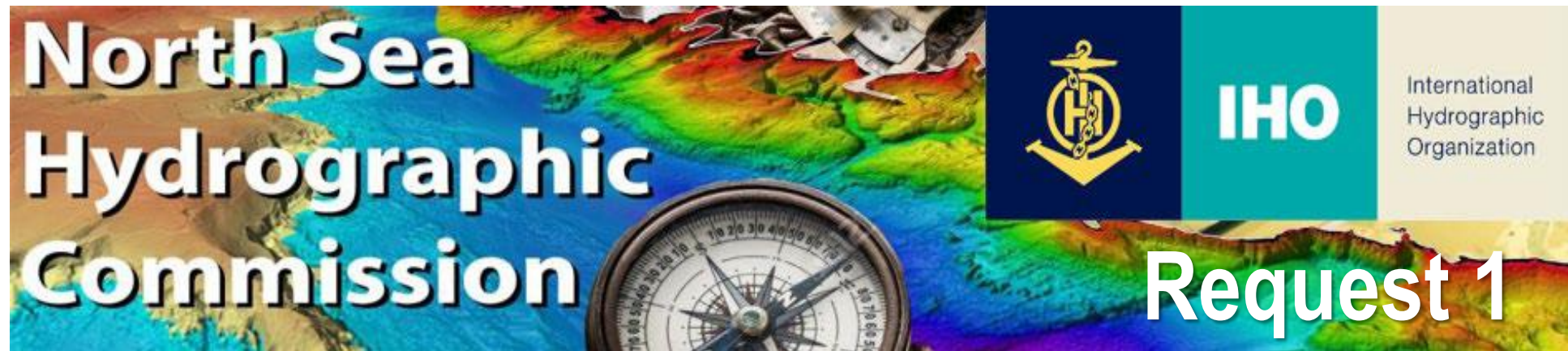
70 days

Periodic surveys of evolving areas in the Pas de Calais traffic separation schemes

30 days

UK Survey Activities

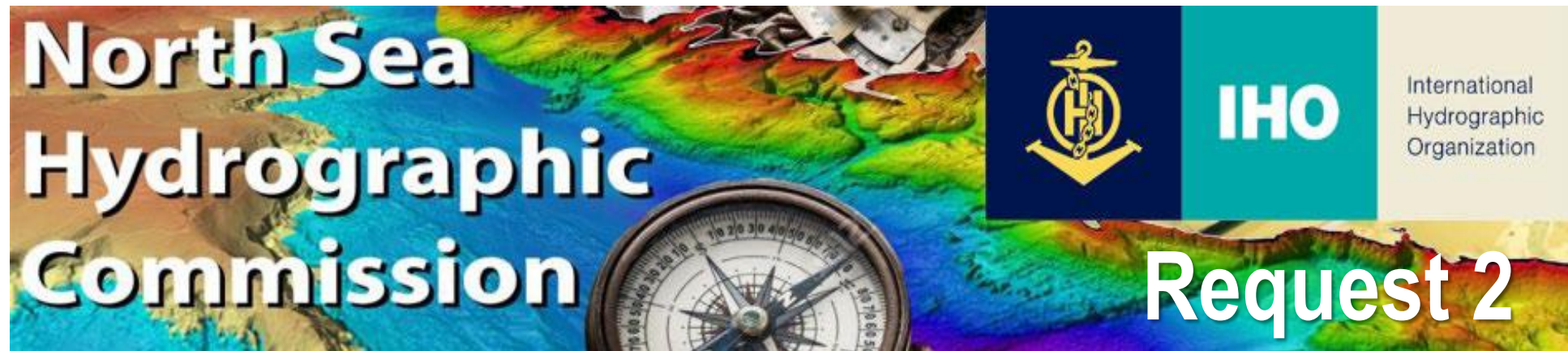
— Boundaries of Authority
— Coastline
— Routine Resurvey 2018-2028
— CHP Survey 2018-2022
— CHP Survey 2023-2028



NSSG update (Action NSHC35-18)

Belgium	Jeroen van Overloop	DG Shipping
Denmark	Peter Dam	DMA
France	Hervé METAYER	Deputy Head SEML/SDSNC/SNC1: SAR and maritime traffic monitoring Office/General directorate of maritime affairs, fishery and aquaculture (DGAMPA)
Germany	Kai Trumpler Dominc Plug Philip Giertz	BSH BSH GDWS
Norway	Andreas Kjol Knut Espen Solberg	Kystverket Coastguard Kystverket
Netherlands	Jeremy Stroo Kees Storm (Chair) Sylvia van Doorn Joris Brouwers Sjoerd Janen	RWS RWS RWS DG Maritime Affairs DG Water and Bottom Affairs
UK	Helen Croxson Nick Salter Vinu John	MCA MCA MCA

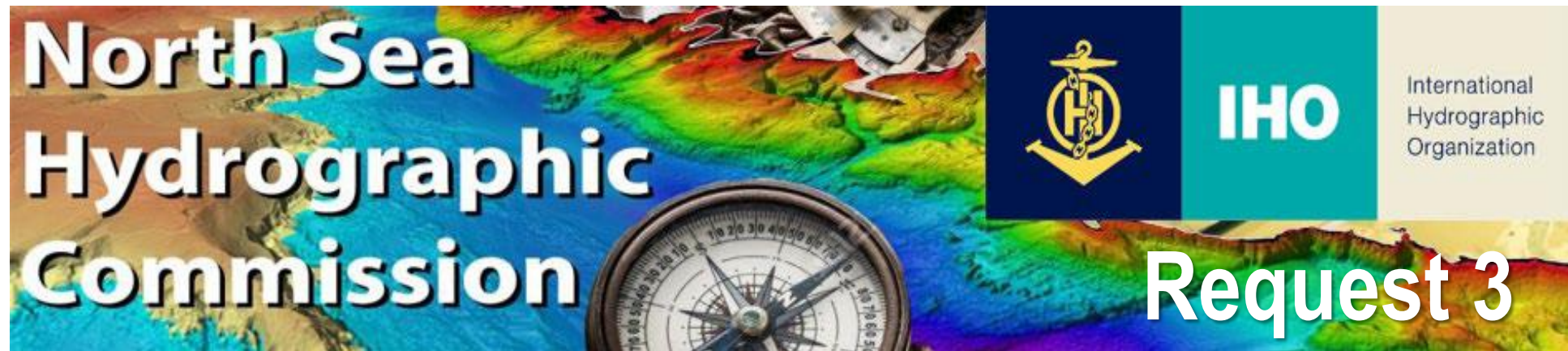
ToRs: 1.6 To liaise with national Maritime Administrations and other relevant organisations and groups regarding the North Sea Resurvey Scheme.



Reconsider RWG involvement with Actions NSHC35-3/4

No/year Agenda item	Subject	Action	Who	When	Status
3/2022 B.4.1	S-1xx	The NSHC commits to be ambitious in developing regional data services based on matured IHO S-1xx data product specifications for navigational use. The targeted launch date will be mid 2025.	MS		
4/2022 B.4.1	S-1xx	The NSHC commits to strive for harmonisation across the package of S-1xx products to support the increased use of hydrographic data for the benefit of society. These will be distributed, where appropriate, through navigational service channels or other appropriate regional data service providers.	MS		

This is a difficult Action as the S-102 specialist in an HO is usually not in the same department as the resurvey specialist. RWG members were requested to check in with their colleagues on S-102 and provide input for NSHC-RWG13.



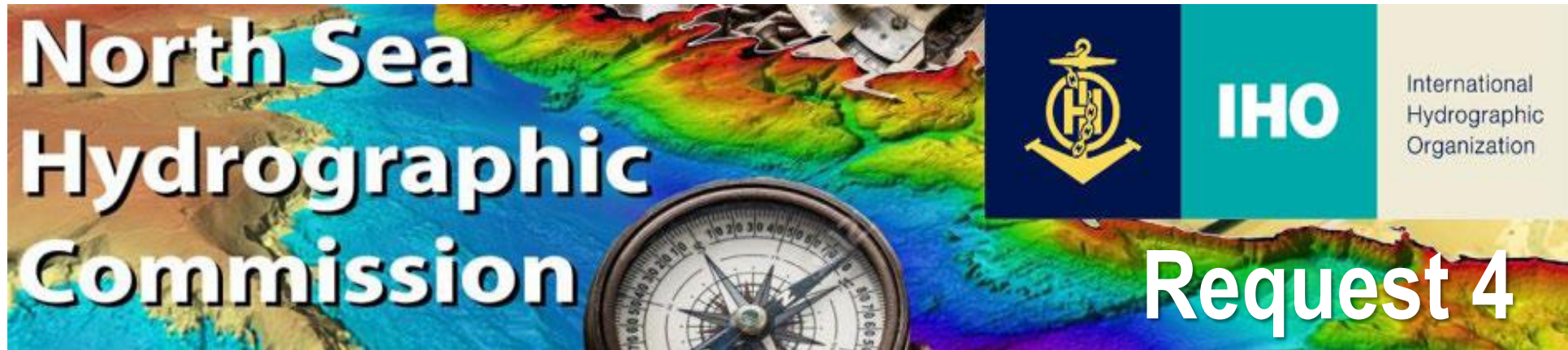
Consider closing Action NSHC35-14 in order to prevent double work

No/year Agenda item	Subject	Action	Who	When	Status
14/2022 D.2	Survey coverage	Task Resurvey WG to clear how MS can fulfil IHO Strategic Performance Indicator 1.2.2 on survey coverage and quality indicators.	Resurvey WG	Before NSHC36	Leendert Dorst is chair of Resurvey WG

We assume IHO Strategic Performance Indicator 2.2.1 was meant here (Ref. minutes NSHC35, item D3).

During IHO C-6, this action was given to the IHO Secretariat, which will provide a value per MS.

For SPI 2.2.1, percentage of adequately surveyed area per coastal state, the IHO Secretariat would regularly derive figures from C-55 for “adequately surveyed”, per coastal state. (Ref. minutes C6, item 6.1)



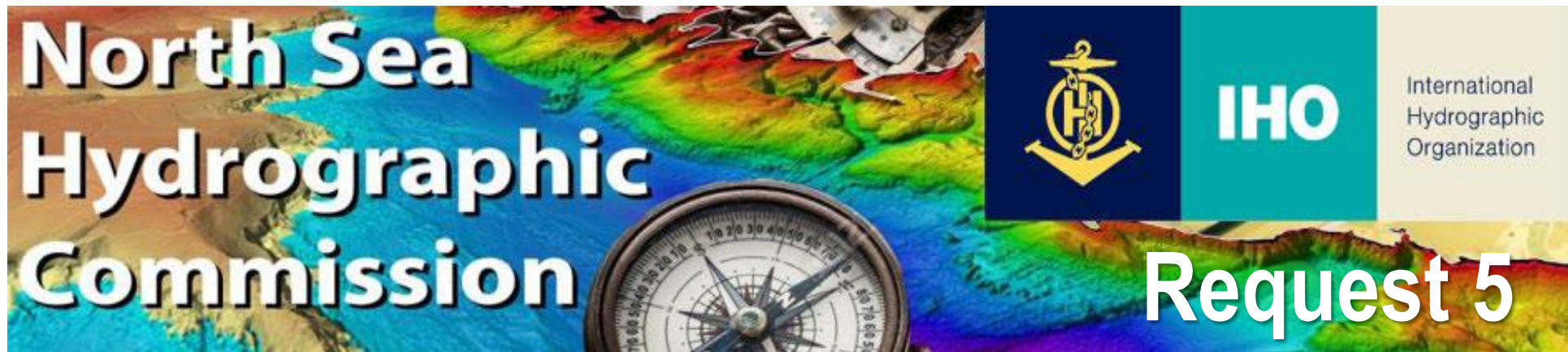
Consider submitting our maps to IRCC in order to contribute to SPI 1.2.2

No/year Agenda item	Subject	Action	Who	When	Status
14/2022 D.2	Survey coverage	Task Resurvey WG to clear how MS can fulfil IHO Strategic Performance Indicator 1.2.2 on survey coverage and quality indicators.	Resurvey WG	Before NSHC36	Leendert Dorst is chair of Resurvey WG

In case IHO Strategic Performance Indicator 1.2.2 was meant after all (Ref. minutes NSHC35, item D3):

During IHO C-6, the state of the discussion was

One indicator which had provoked a great deal of discussion was SPI 1.2.2, Percentage of navigationally significant areas for which the adequacy of hydrographic knowledge is assessed through the use of appropriate quality indicators. IRCC had defined a “navigationally significant area” as one in usage bands 3 to 5, and had agreed on a quality indicator, namely the percentage of an area in which the Category of Zone of Confidence in Data (CATZOC) was other than Unassessed. The relevant calculations were already undertaken regularly by the IHO Secretariat. (Ref. minutes C6, item 6.1)



Consider taking out the red text of Action item NSHC2014-6

No/year Agenda item	Subject	Action	Who	When	Status
6/2014 (Concl. 112)	Risk assessment	Undertake a risk assessment analysis for the North Sea area, including the Dover Strait.	Chair RWG	law. RWG action list	The work that was defined in first stage has been done. OPEN Initial polygons have been provided to DE. RWG12 will continue to build on initial picture, although see request for further guidance.

NSHC35 closed Action items NSHC2010-3 and NSHC2014-6, although it contains a remaining action in red font.

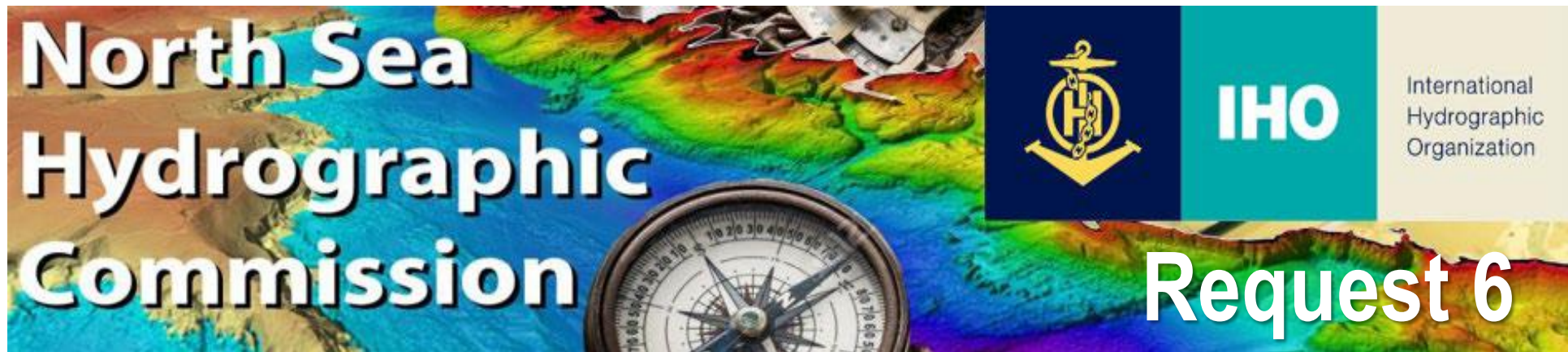
This is a request from the RWG11 report to NSHC35, invitation c:

Provide guidance on the expected goals and outputs of the harmonised risk map.

RWG12 opinion: it is crucial to continue with the harmonised risk maps, because

- Returning questions on efficiency and effectiveness of survey efforts can only be answered in reference to neighbouring HOs;
 - the upcoming implementation of the “Ocean Observation – Sharing Responsibility” initiative of DG Mare of the EC.

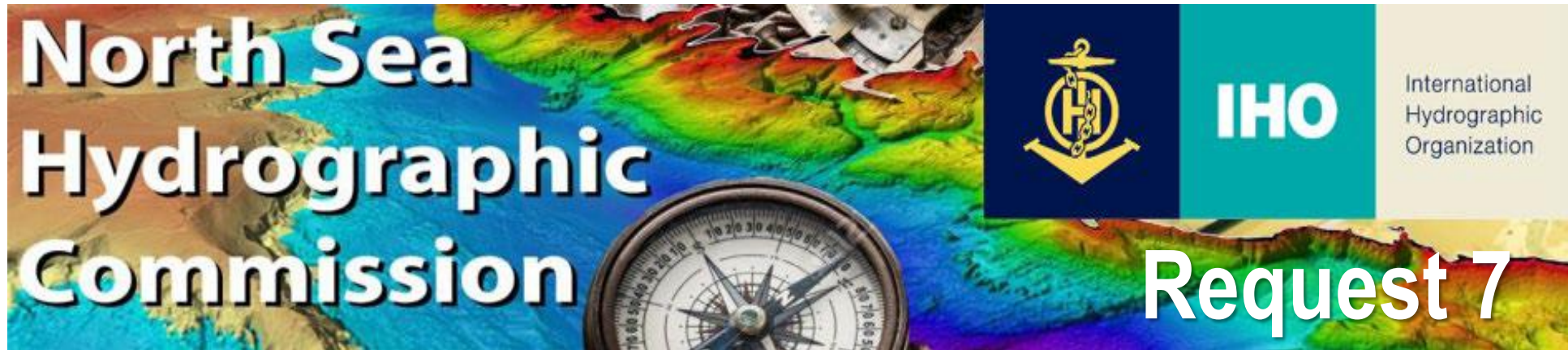
But, this is covered by the ToRs: *1.1 To maintain and develop the North Sea Resurvey Scheme and present it on the internet.*



Decide on the future leadership of the RWG (Action NSHC35-17)

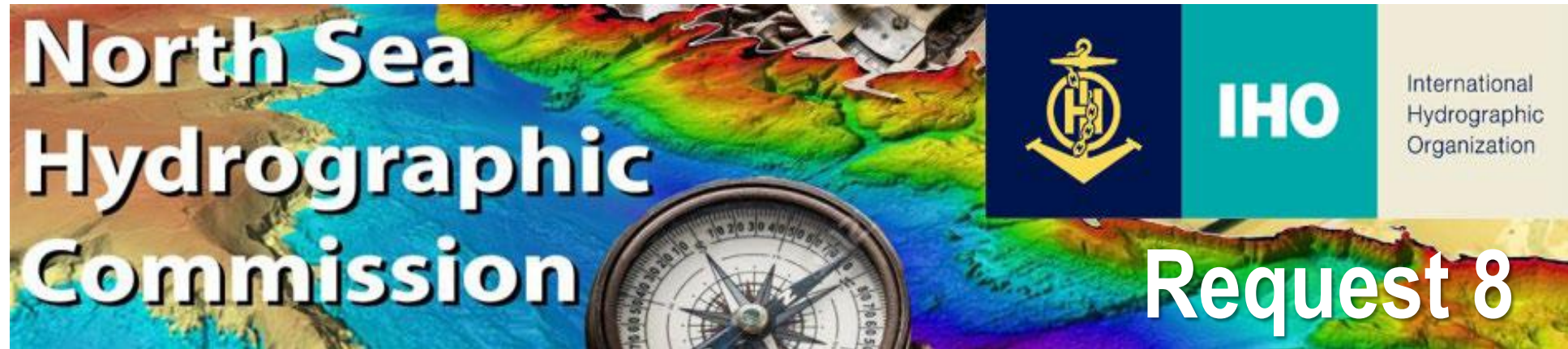
Chair RWG7-RWG11 commented: RWG “has done a lot of good work in the past and will undoubtedly have a role to play in the future of many hydrographic initiatives in the future. It is also a great forum for sharing ideas, which I suspect have created numerous efficiencies and advances by individual offices.”

RWG1: host: DE; chair/secretary: DE;
RWG2: host: DE; chair/secretary: DE;
RWG3: host: NL; chair/secretary: DE;
RWG4: host: UK; chair/secretary: NL;
RWG5: host: UK; chair/secretary: NL;
RWG6: host: DE; chair/secretary: NL;
RWG7: host: UK; chair/secretary: UK;
RWG8: host: FR; chair/secretary: UK;
RWG9: host: DK; chair/secretary: UK;
RWG10: host: none; chair/secretary: UK;
RWG11: host: none; chair/secretary: UK;
RWG12: host: NL; chair/secretary: NL.



Promote the MARID23 conference

Marine Sandwave and River Dune Dynamics 2023 conference (MARID23) in Rennes, 3-5 April 2023.
It is recommended to attend, in order to improve relations between academia and government,
and to apply the results of research projects into our resurvey planning.



Specify any other action you wish the RWG to take.