



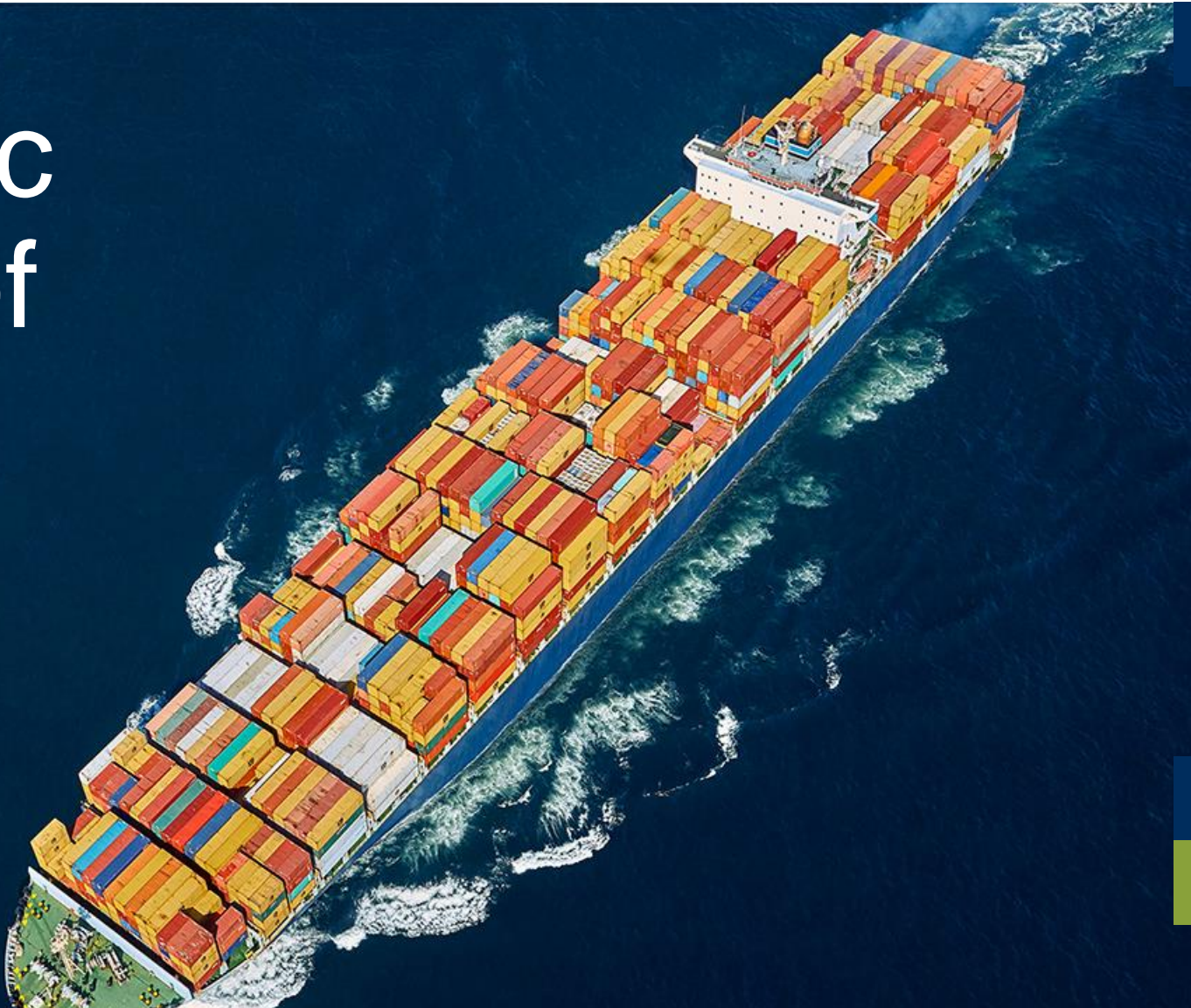
UK Hydrographic
Office

UK Hydrographic Office - Future of Paper Charts Overview

North Sea Hydrographic Commission 36

C5 Rear Admiral Rhett Hatcher

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Version 2.0



Future of Paper Charts Update

What is happening next?

- › It is important that we don't leave paper chart users behind in the digital transition, but we need to plan for the continuation of the same challenges for paper charting which we have seen and need to respond to
- › We are looking at how to ensure that the paper chart service continues to meet user needs now, and as those needs continue to evolve over the extended timeline
- › We'll conduct further user and market research to aid us making informed decisions – especially in regions and segments under-represented in previous analysis

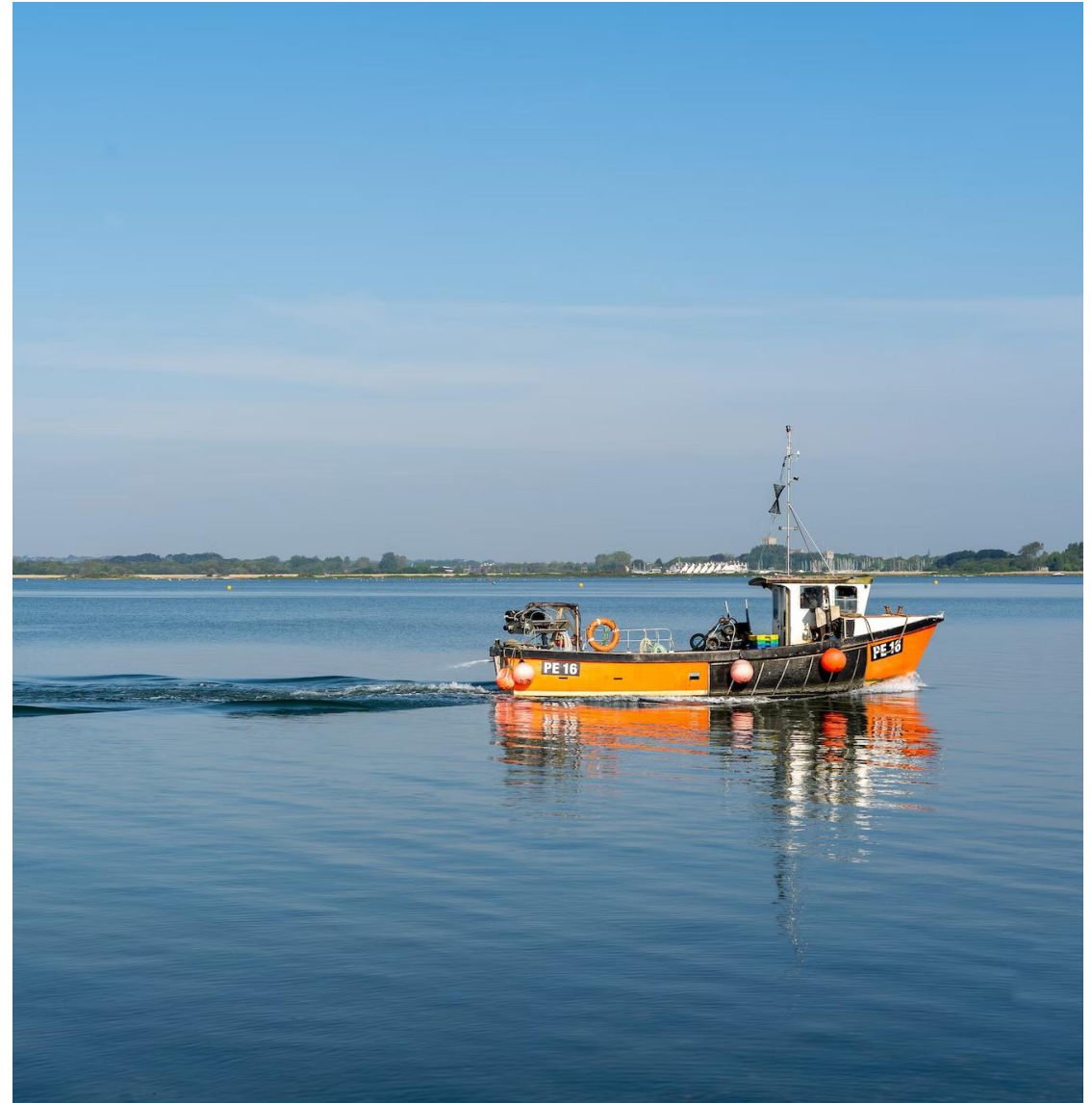




Sub ECDIS Project Update

What is Sub ECDIS?

- › Sub ECDIS is used to describe any user group that does not use ECDIS for both primary and back up navigation.
- › The sub ECDIS market has already moved to digital first navigation.
- › International and National regulations and standards needs to be updated to include a form of compliant, digital navigation below ECDIS.





Segmentation – UK (not approved – a work in progress)

| Segment | Categories | Requirements | Regulation/s |
|---------|--|-----------------------------------|---|
| 1 | Commercial: <ul style="list-style-type: none"> • ≥500GT Passenger Ships (PAX) Date of Build (DoB) ≥1/7/2012; • ≥3,000GT Tanker DoB ≥1/7/2012; • ≥10,000GT Cargo DoB ≥1/7/2013; • ≥3,000GT Cargo DoB ≥1/7/2014. • Fishing Vessels ≥24m | Paper or ECDIS | SOLAS / The Merchant Shipping (Safety of Navigation) Regulations 2020 FV ≥24m: MSN 1873 A1(F) |
| 2 | Any (commercial or pleasure) over 150GT but less than category 1 | Paper, ECDIS or 'official ECS' | The Merchant Shipping (Safety of Navigation) Regulations 2020 |
| 3 | Non-cargo but vessels for sport or pleasure in commercial use | | Ref. para 1 of the Code of Practice for Intended Pleasure Vessels in Temporary Commercial Use at Sea (IPV Code), which differentiates the commercial use (outside of the pleasure vessel definition). Further relevant references in MGN 597, 598, 599 etc. |
| 4 | Fishing vessels ≥15 to <24m | | FV ≥15 to <24m: MGN 628; MSN 1872 A1(F); and |
| 5 | Fishing vessels <15m | | FV <15m: MGN 268; MSN 1871 A2(F); MGN 293; MGN 319; |
| 6 | Pleasure vessels under 150GT | No charting requirements | MGN 599 (Pleasure vessels - Regulations and exemptions - Guidance and best practice advice) |

Risks of inaction

Inaction will result in the risk of safety of life at sea.

- › Continued use of unofficial or crowd sourced information
- › Existing Sub-ECDIS data services cannot be assured
- › Lack of internationally agreed validation tests to ensure compilation standards
- › There is no standard presentation
- › Increased cyber security risk



UKHO survey

Please take part in the below questionnaire where you can provide input and ask questions to the sub ECDIS project.

<https://www.surveymonkey.co.uk/r/6CKJYZL>





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Thank you

