NSHC-34 E.4
IC‒ENC S-1XX

April 2021

Marc van der Donck, Chair IC-ENC
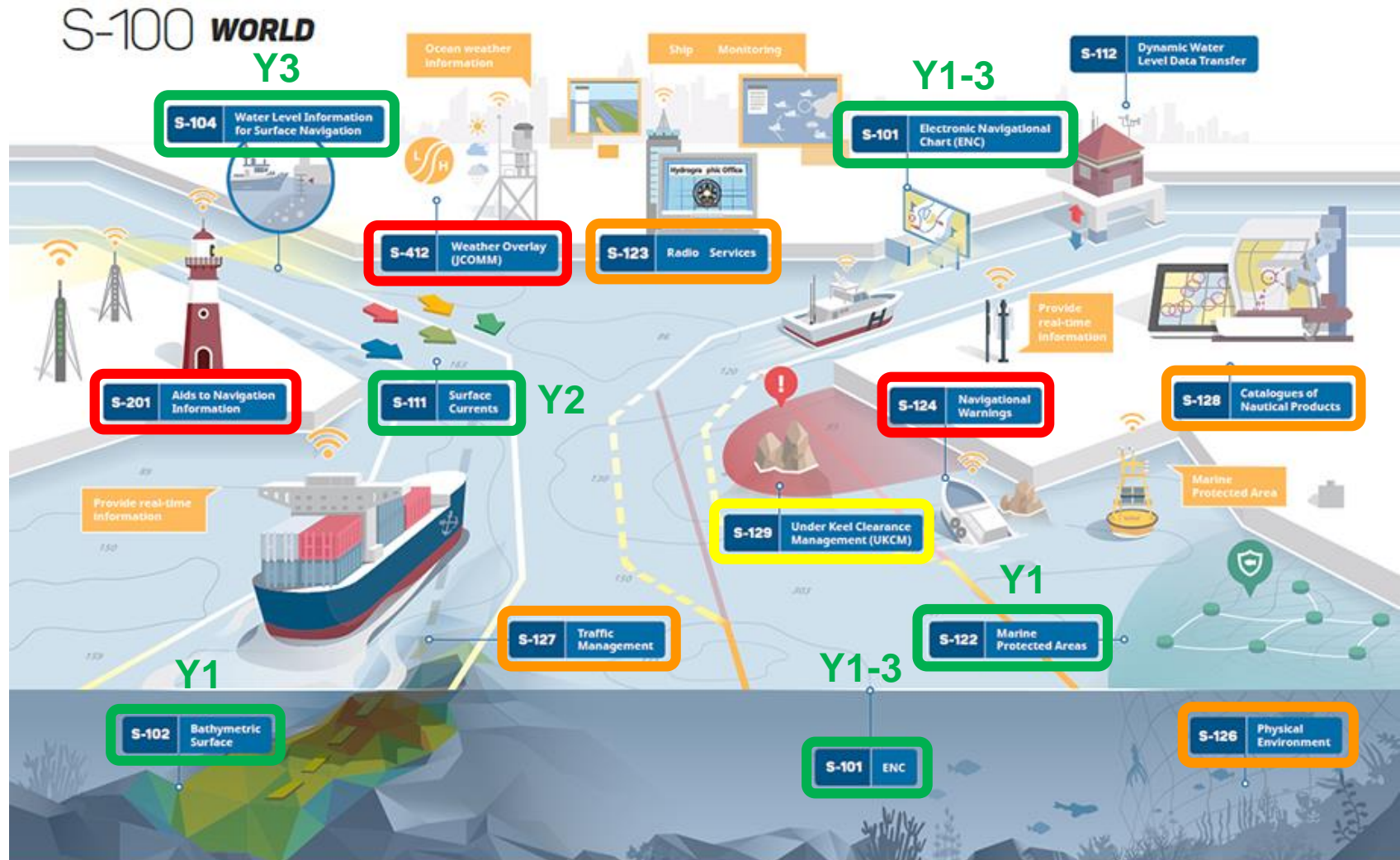
Agenda

- ## IC-ENC 2021-23 Work Plan
  - S-1XX plans
  - S-102

- ## Of note

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2021-23 Work Plan

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	Theme	Aim/objective
1	**Production Support Part A**	More, and better, products are available.
2	**S-57 ENC Validation Service**	Ensure the quality of every ENC entering the IC-ENC folio.
3	**Distribution Services**	IC-ENC folio is available to users.
4	**Revenue Management**	Use of members' products is correctly reported, paid for and revenue returned to IC-ENC members.
5	**Governance, finance and business functions**	IC-ENC's governance, finance and business functions remain fit for purpose.
6	**Infrastructure – maintain and develop**	IC-ENC has the technology required to deliver its services at the required levels of security, resilience and efficiency
7	**Membership, IHO community and international groups**	IC-ENC members are supported as required, and the wider IHO community/international groups are supported as required and aligned with where advantageous.

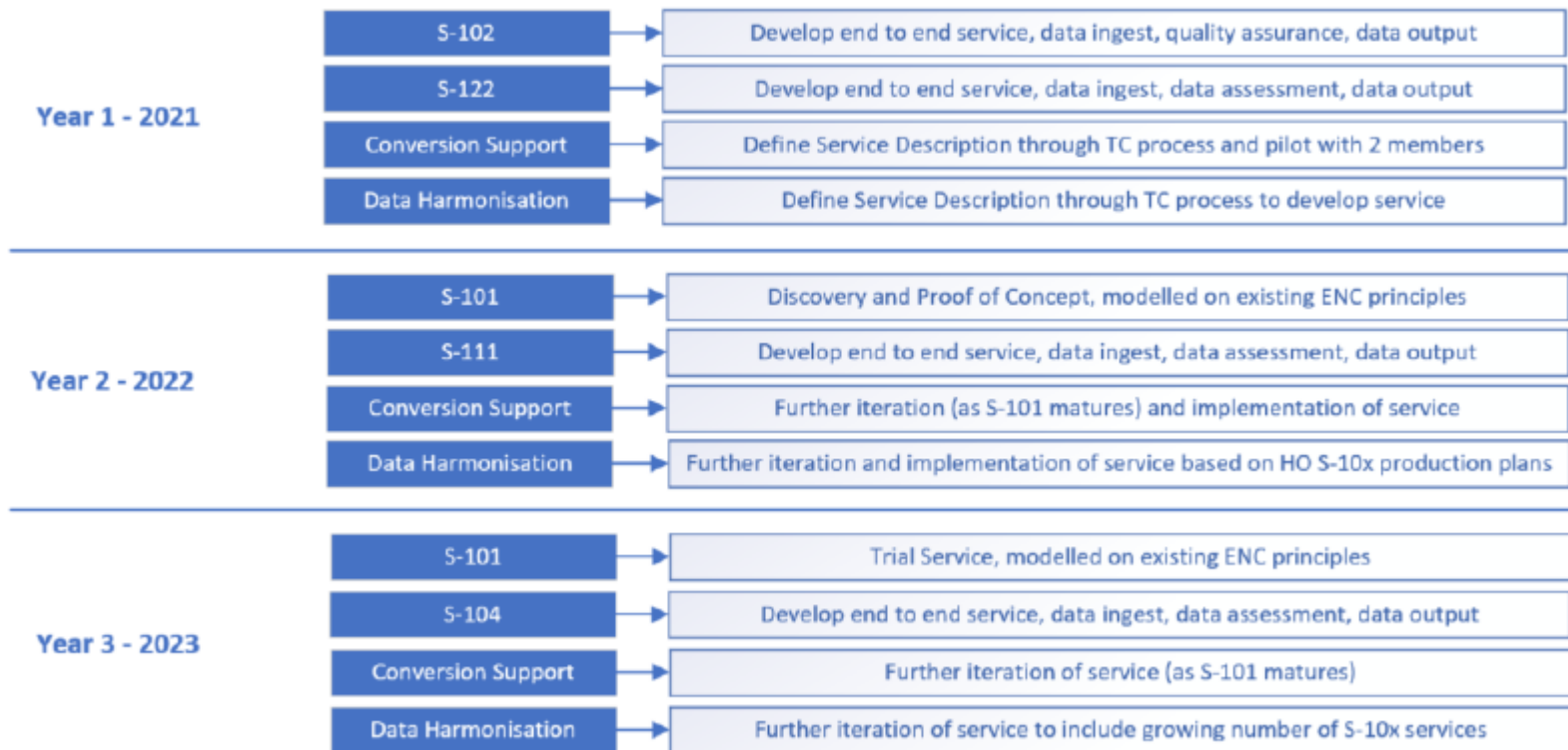|		
8	**IC-ENC structure and the team**	To have an effective IC-ENC organisational structure (regional offices) and right sized, high performing team
9	**S-102 service**	Establish an end-to-end S-102 service, data ingest, assessment, and data output.
10	**S-122 service**	Demonstrate capability to ingest, assess and output S-122 data, as an end-to-end service.
11	**S-101 and Conversion Support services**	Develop Conversion Support service and S-101 knowledge/understanding.
12	**Harmonisation service**	Develop Data Harmonisation service.
13	**Year 2 other**	Establish S-111, Conversion Support and Data Harmonisation services, and develop S-101 service.
14	**Year 3 other**	Establish S-104 service and S-101 trial service, further iteration of Conversion Support and Data Harmonisation services.

2021-23 Work Plan – S-100 focus

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Based on S-100 Options Paper:
- First generation - green
- The exception - between first and next generation - yellow
- Next generation - orange
- Out of scope - red

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S100 era services

Year 1 - 2021		
S-102	→	Develop end to end service, data ingest, quality assurance, data output
S-122	→	Develop end to end service, data ingest, data assessment, data output
Conversion Support	→	Define Service Description through TC process and pilot with 2 members
Data Harmonisation	→	Define Service Description through TC process to develop service

Year 2 - 2022		
S-101	→	Discovery and Proof of Concept, modelled on existing ENC principles
S-111	→	Develop end to end service, data ingest, data assessment, data output
Conversion Support	→	Further iteration (as S-101 matures) and implementation of service
Data Harmonisation	→	Further iteration and implementation of service based on HO S-10x production plans

Year 3 - 2023		
S-101	→	Trial Service, modelled on existing ENC principles
S-104	→	Develop end to end service, data ingest, data assessment, data output
Conversion Support	→	Further iteration of service (as S-101 matures)
Data Harmonisation	→	Further iteration of service to include growing number of S-10x services

▸ Prioritisation of services has been set by engagement with IC-ENC Members, the maturity of the Product Specifications, and market/user research… can iterate as required over time.

S-102

- Service Description which defines the detailed service concept has been approved.

- The S-102 project plan has been developed and work will progress in Q2.

- S-102 registration checks have also been developed; these will be reviewed for discussion at the forthcoming Technical Event in May.
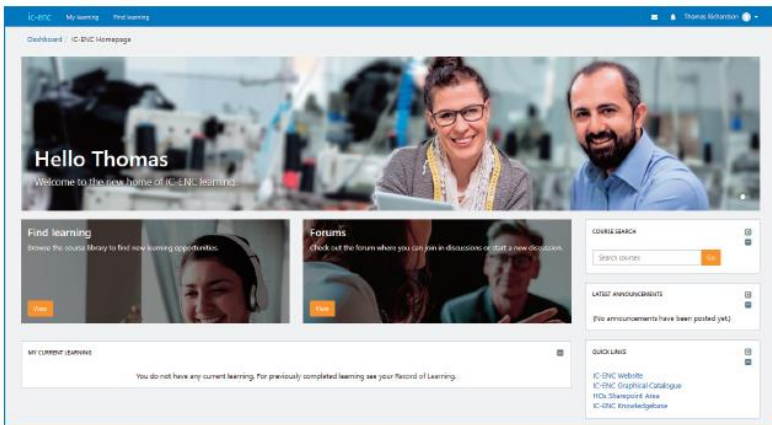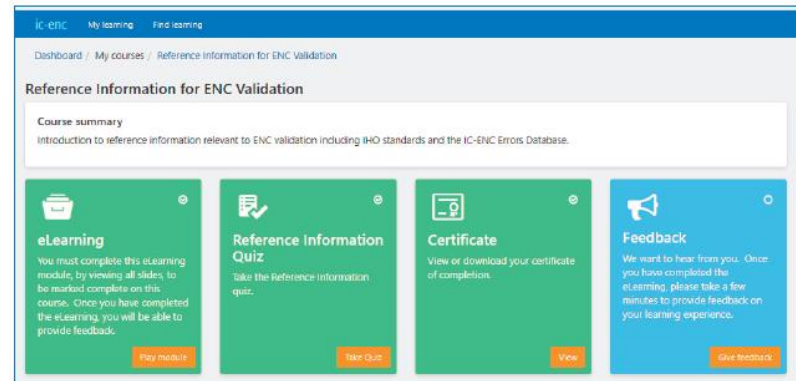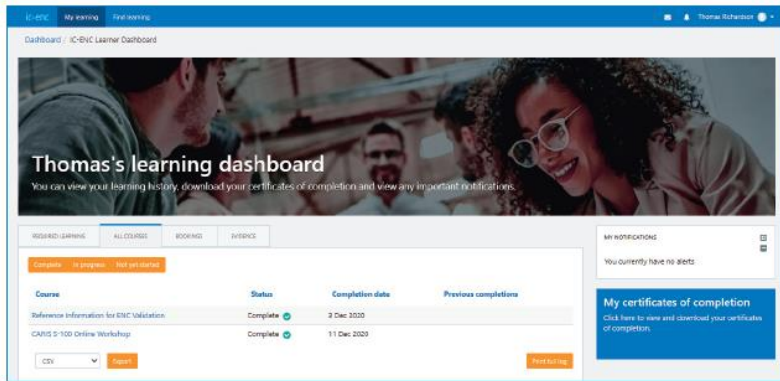
HD-ENCs

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▸ WENDWG-11 noted the report of IC-ENC on HD ENCs and agreed to make a survey towards Member States on their HD ENCs Production Plans (follow up action IRRC-11).

▸ This survey should also address the possible impact of S-102 emerging production plans on the future of HD ENCs.

▸ A proposal to IRCC-13 for a survey is prepared.

Distribution: non-ECDIS

▸ New Service to HO ENC data to be used to support safe navigation by non-ECDIS vessels.

▸ IC-ENC supply & licensing service - launch 2021/Q1.
  ◦ First distribution partner has been appointed.

▸ The need for a service like this has been discussed at previous WENDWGs.

IC-ENC Learning Management System

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- ▶ Repository
- ▶ Training material
- ▶ Tracking progress/ completion/results
- ▶ Reporting
- ▶ Community

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