



# PRIMAR 2017 – WENDWG8

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Operated by the Norwegian Mapping Authority, Hydrographic Service

**FREEDOM TO CHOOSE**



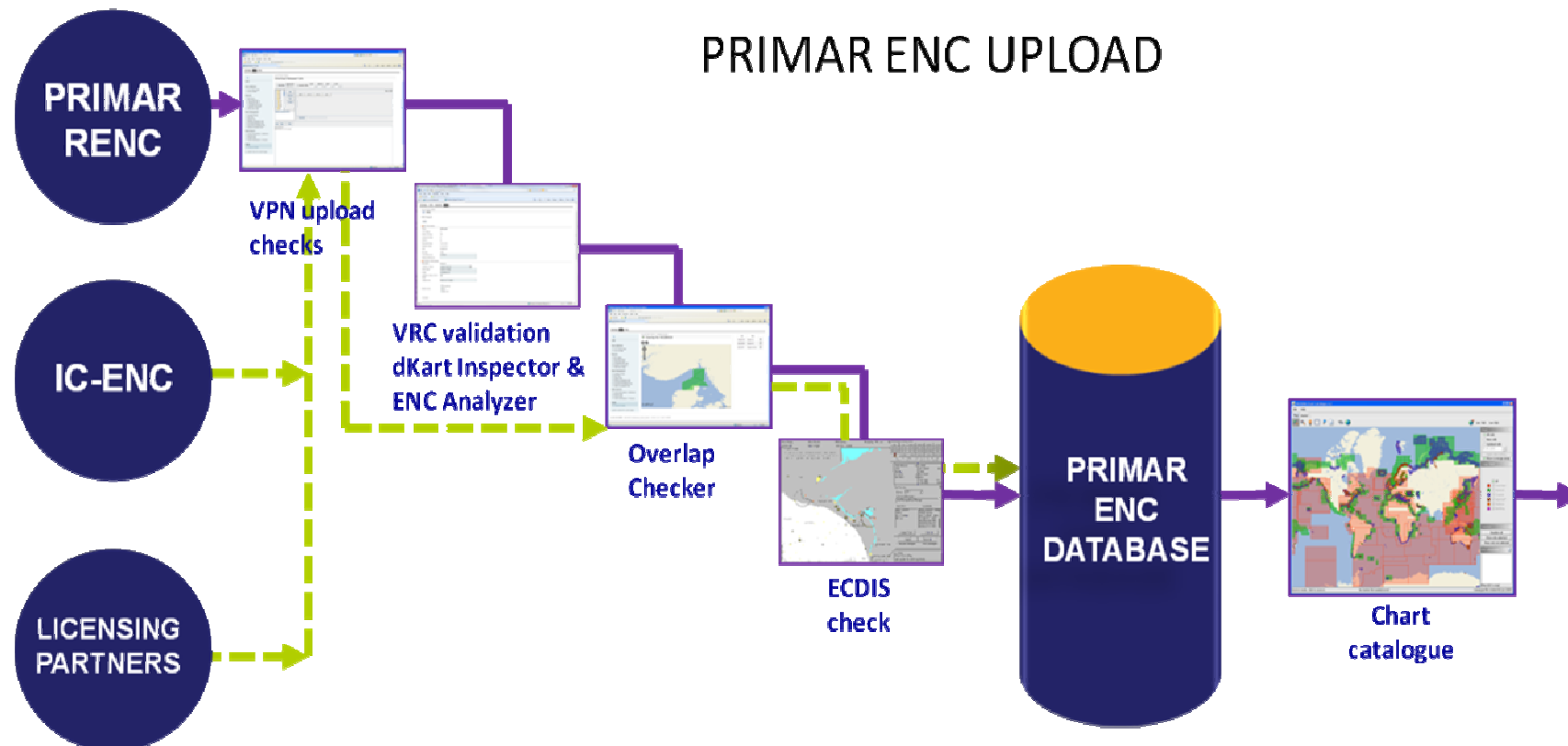
## **PRIMAR's Vision**

***IN ORDER TO ENHANCE SAFETY AT SEA AND PROTECT THE MARITIME ENVIRONMENT, PRIMAR'S VISION IS TO BE THE MOST EFFICIENT MODEL FOR THE PROVISION OF ENC SERVICES AND MARITIME GEOSPATIAL DATA WORLDWIDE.***

## Targets for 2017

- Continuously provide the world's most efficient ENC quality control and validation services
- Increased ENC coverage
- Capacity Building
- Increase sales – financial sustainability – introduction of new financial model
- Technology development
- Visibility

# ENC QC AND VALIDATION SERVICES



## ENC QC AND VALIDATION SERVICES

New ENC	New Editions	Reissue	Cancel cell	Updates
767	6978	833	180	23 230

Date	Total no of ENCs	Overview	General	Coastal	Approach	Harbour	Berthing	Updates
01.01.17	15 015	178	549	2 461	4 300	5 628	1 899	38 950
01.07.17	15 374	178	588	2 506	4 374	5 762	1 966	40 396
31.12.17	15 781	181	622	2 544	4 504	5 910	2 020	43 685

## ENC QC AND VALIDATION SERVICES

- PAC 24 approved to introduce KPIs for ENC validation in PRIMAR. The following validation completion times was set as a target:

Type of data	Validation completion times (95 %)
ENC Update	1 day
ENC New Edition	2 days
New ENC	3 days

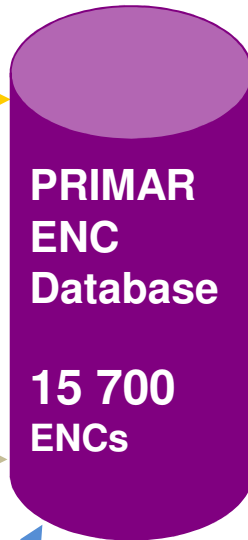
# PRIMAR RENC value chain



- Albania
- Croatia
- Estonia
- Finland
- France
- Georgia
- Iran
- Latvia
- Lithuania
- Montenegro
- Mozambique
- Norway
- Poland
- Sweden
- Russia
- Ukraine
- Vietnam

**PRIMAR  
RENC  
MEMBERS**

> 60 different official ENC providers



55 Commercial Distributors



**Commercial  
users**

9 Governmental Distributors



**Governmental  
users**

8 Navy Suppliers



**Navy  
users**

23 100 registered end-users

- Canada
- China
- India
- Indonesia
- EAHC
- MSS
- Japan
- Korea
- PRD ENC
- Singapore

**PRIMAR  
LICENSING  
PARTNERS  
(Others)**

**ALL  
IC-ENC  
RENC  
DATA**

**FREEDOM TO CHOOSE**

# PRIMAR Agreements 2017

- Albania and Vietnam signed agreements for PRIMAR RENC membership
- ENC distribution agreement signed with The Shanghai Chart Centre (SCC) of the Maritime Safety Administration of China.





## **PRIMAR Navy / Governmental Supplier Services** PRIMAR<sup>®</sup>

- Delivery of both encrypted and unencrypted ENC service to Navy users – depending on national restrictions.
- Access to all ENCs distributed by PRIMAR.
- ENCs at wholesale prices. HOs may issue a discount for their own national ENCs.
- Distribution from the Navy / Governmental Supplier is strictly limited to own national users.

## 2017 Capacity Building

- One ENC validation workshops for one PRIMAR member nation. 5 ENC validators were trained.
- The 15th PRIMAR TEWG meeting. 25 participants. Focus on PRIMAR updates, ENC Improver, S-58, S-101, S-102 and T&P notices.

## PRIMAR deliveries to IHO

- PRIMAR has set up several free-of-charge service deliveries to support the work of IHO:
  - Global WMS coverage for internal use at IHO
  - ENC catalogue (RENC / Non RENC coverage)
  - CATZOC delivery from both RENCs
  - Supply of Overlap Checker to all Regional Hydrographic Commissions.

## 2017 Financial Issues

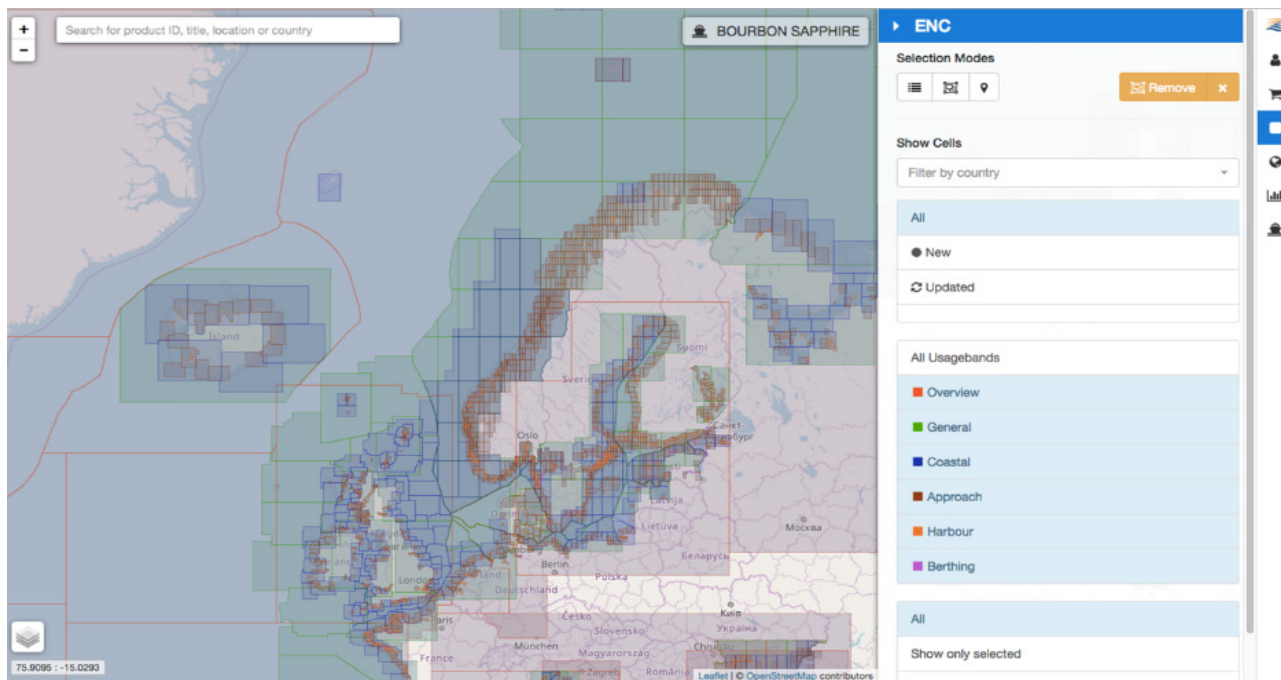
- New financial model introduced in 2017
- Quarterly royalty payments
- Fixed fee pr. ENC transaction
- Transaction fee commercial transactions: \$1,0
- Transaction fee national transactions: \$1,4
- Transaction fee national services to non-PRIMAR members: \$2,3

## 2017 Financial Issues

- Total revenue of ENC sales 12 % increase compared with 2016.
- Total cost of PRIMAR operation \$2,04m.
- Financial surplus (excess of cost coverage after regular royalty payments) of approximately \$400k to be used for S-101 development.

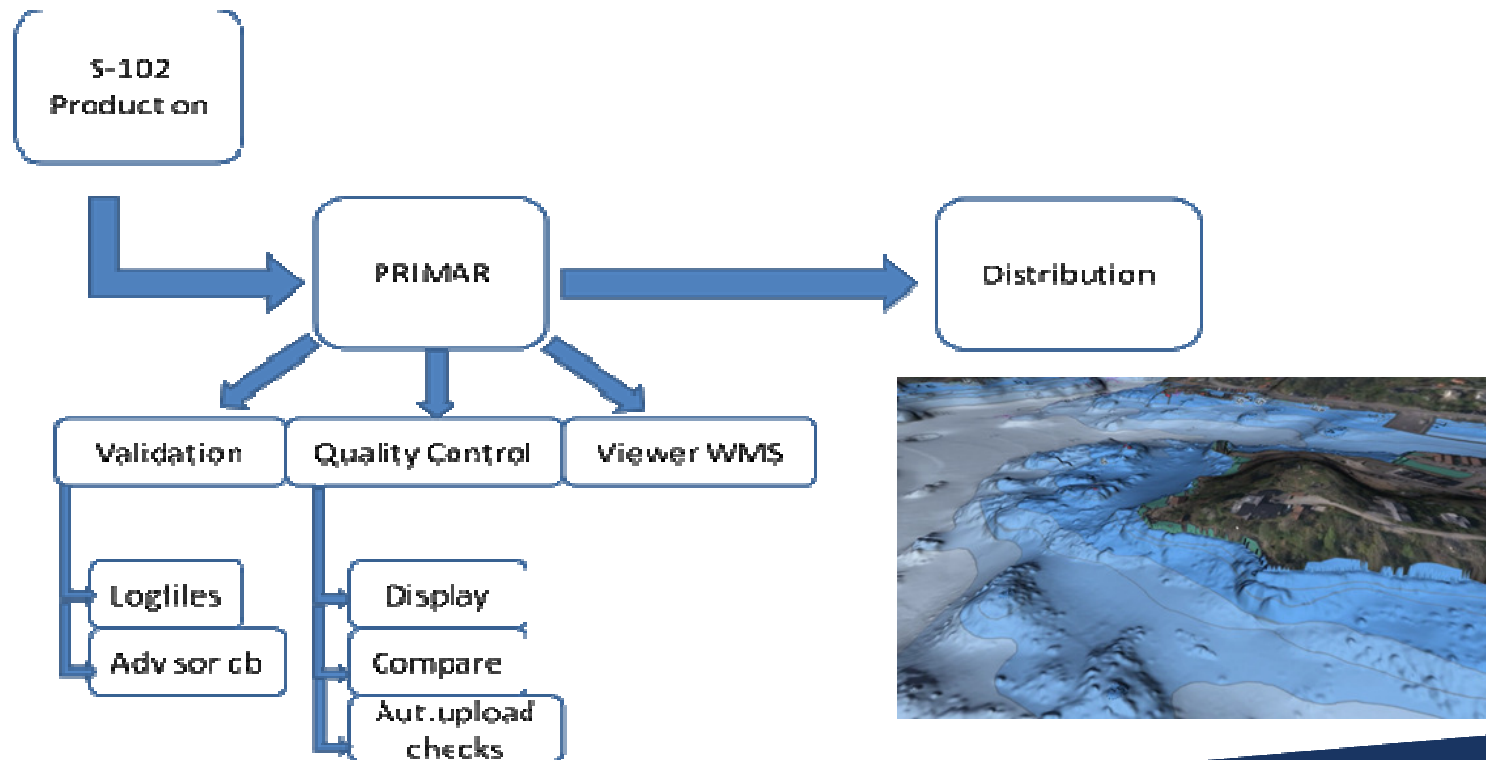
# 2017 Technology Development

- Development of next generation of the PRIMAR Chart Catalogue completed. From Java to Web with improved functionality.



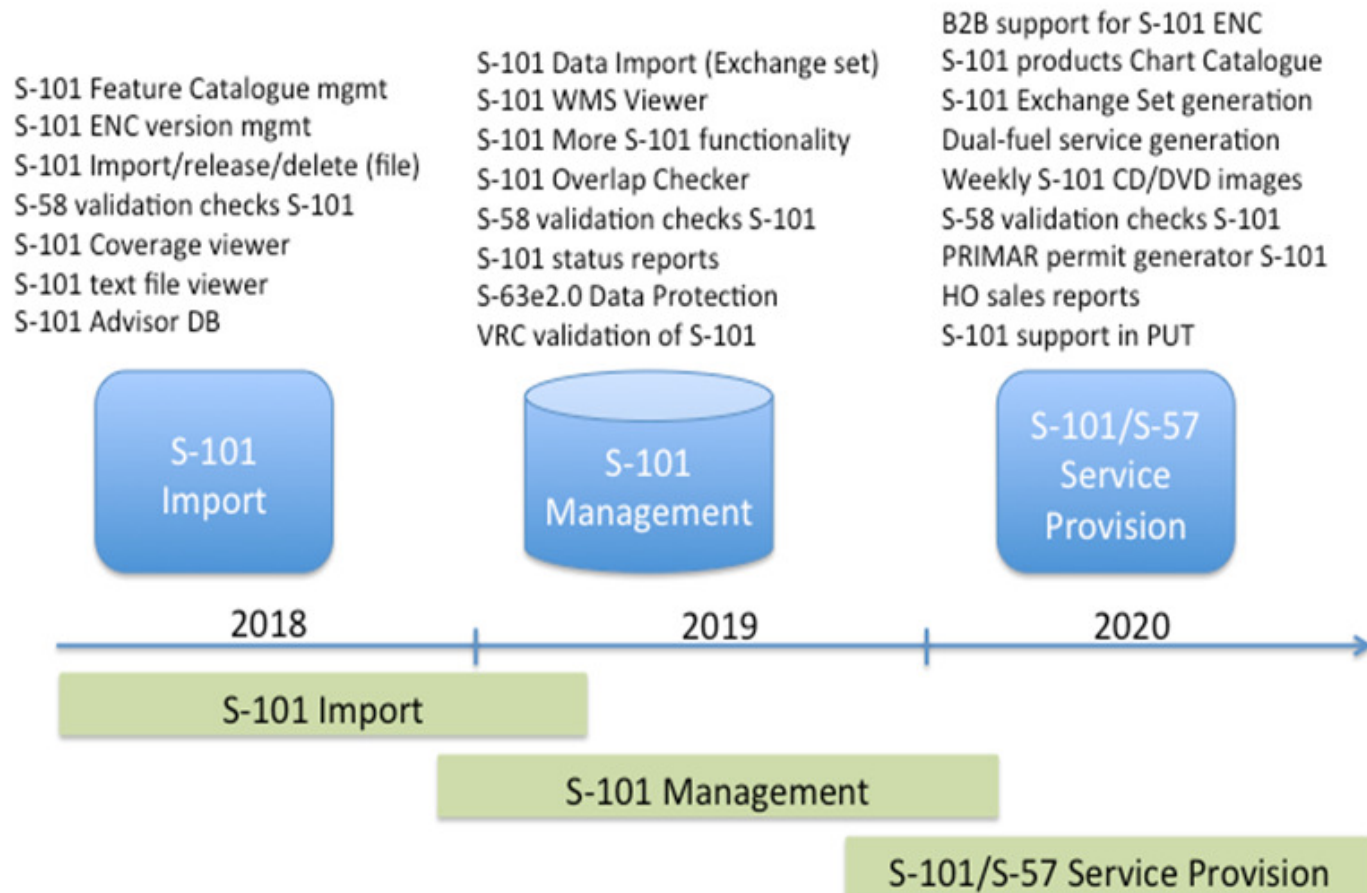
# 2017 Technology Development

- S-102 data distribution. Awaiting S-63 ed. 2.0.
- Demonstrator for the use of S-102 in an operational environment: [www.s-102.no](http://www.s-102.no)
- PRIMAR will support development of S-63 ed. 2.0 standard.



# 2017 Technology Development

- PAC 24 approved S-101 development



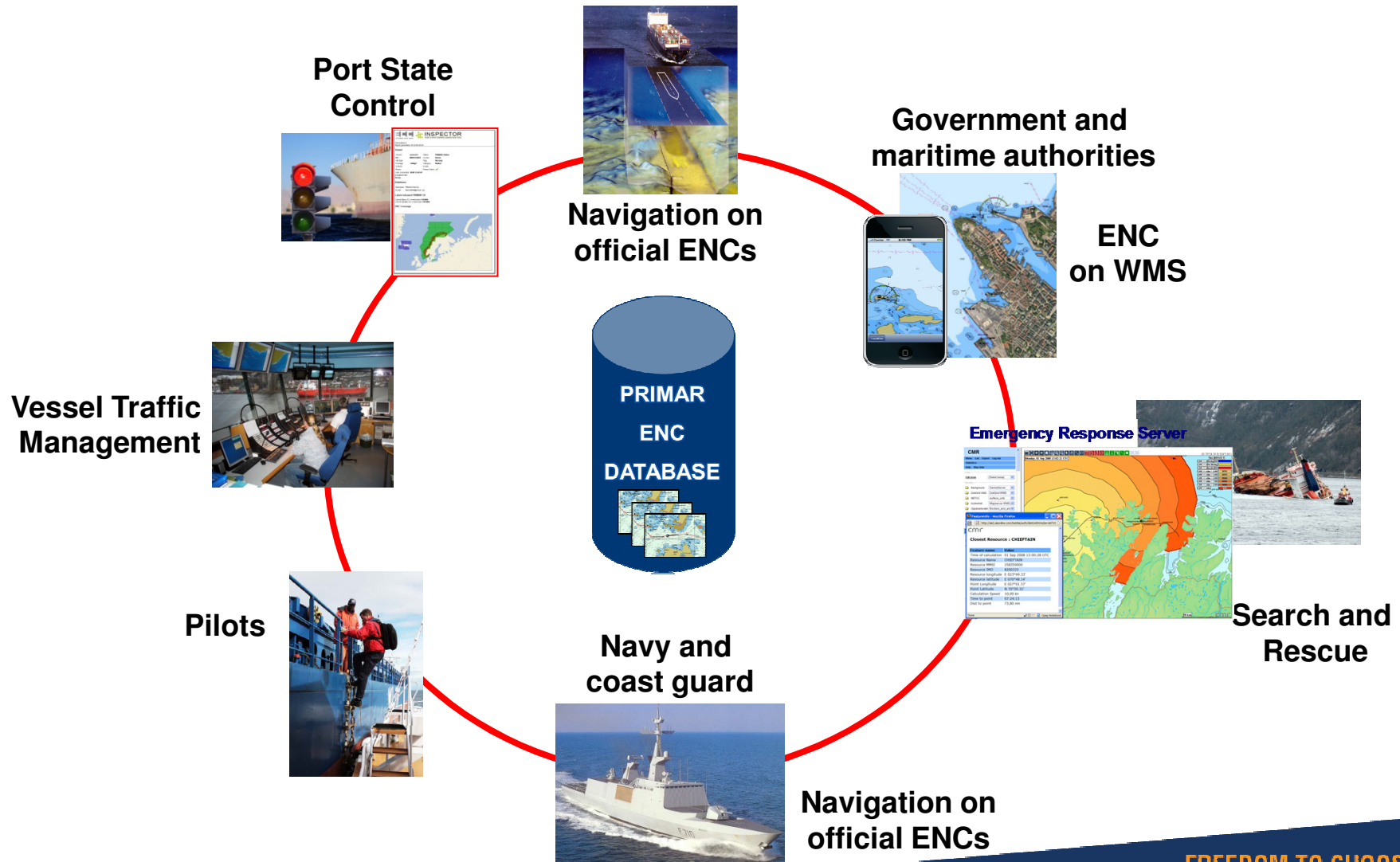


## Targets for 2018

- Provide the world's most efficient ENC quality control and validation services.
- Increased ENC coverage – new members.
- Capacity Building
- Updated strategic plan
- Continue technology development – S-101 project start.
- Visibility

# Maritime Safety Circle

Through PRIMAR, all actors have access to the SAME CHARTING INFORMATION



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**Thank you for your attention**  
**Questions?**

**[www.primar.org](http://www.primar.org)**