

TSMAD 25

Tokyo, Japan (15 – 18 January 2013)

S-101 Survey Report**RENCs and VARs**

Survey period : 13/07/2012 - 22/08/2012

Scrubbling consists in the elimination of empty answers, or non RENC or VAR answers.

After scrubbling and fusionning we collect 5 answers : 2 RENCs and 3 VARs
That to say 2/2 RENCs = **100% RENCs participation ratio**

RENCs participants are : PRIMAR – IC-ENC

VARs participants are :

JHA (Japan Hydrographic Association) (non official answers, only private opinion)

IC-ENC VARs : Jeppesen - Datema

Some VARs missing answers (HO excepted as they answer through HO survey) :
ChartCo – ChartWorld – MARIS – Transas

Due to troncated digits sum of ratio are not always 100%.

Ratio are **blue highlighted** if there is a wide consensus.

Ratio are **yellow highlighted** when opinions are divided.

General Questions

1.- What is the name of your organisation ?

2.- Were you aware before this survey that an S-101 ENC product specification is being developed as a replacement for the S-57 ENC product specification?

100% Yes

0% No

3.- How familiar are you with the S-101 development process?

40% Somewhat familiar

60% Very familiar

“We have representation on TSMAD & DIPWG” (IC-ENC)

4.- How involved is your organization in the S-101 development process?

20% Not involved (Datema)

60% Somewhat involved (PRIMAR, IC-ENC, JHA)

20% Very Involved (Jepessen)

“The RENC participates with representatives from its member states, including Norwegian Hydrographic Service.” (PRIMAR)

“Through the work of TSMAD & DIPWG” (IC-ENC)

“Only study of planning” (JHA)

5.- Will you distribute S-101 data (either converted from S-57 or full specification) when it becomes available?

80% Yes

20% No (JHA)

6.- If NO, why not?

“Check requirements from users” (JHA)

7.- Do you foresee any issues with the need to operate a dual distribution service for both S-57 and S-101 ENC's during the transition period?

60% Yes

40% No

8.- If YES, what are those issues?

“- There will be a need for the service providers to maintain track of which service (S57 or/and S101) is supported by their customers

- Cost of establishing, maintaining and operating two services by RENCs and service providers

- Long transition period from when the first S101 data becomes available until the last HOs make the switch to S101

- Develop a commercial business model for sale of scale independent/dependent chart data (need to establish mandatory relationships between the scale independent products and the corresponding scale dependent ENC cells)

- Requirement for HOs to support same coverage and update service with S57 and S101 until S57 is switched off

- Must try to avoid a possible market confusion in the marketing and sales of S57 data which will have full coverage with S101 data which will have limited coverage initially

- With a carefully agreed S57 to S101 transition plan by the hydrographic community and stakeholders it will be possible to achieve a shared harmonization and commitment to support S101. Some private data producers and SENC providers can use the transition period to actively market their products during this period to increase their market coverage.

- Missing a winning selling point for encouraging stakeholders and customers to make and understand the need for a transition to S101.

- Current published plan for S101 v1.0-v3.0 (2014-2024) makes it difficult to understand the advantages and defining an internal development plan to start the development.

” (PRIMAR survey revised version from ECC email 30/11/2012)

“Duplication of processes for each service, Running a dual service will have a significant impact on already stretched resources and require significant investment/development of new software tools to process the 2 formats of data.” (IC-ENC)

“We will distribute any ENC data if ENC produces and/or users required. User's information management is most important issue. It may be more than ten years.” (JHA)

9.- Is it practicable for RENCs and VARs to offer a conversion service from S-57 ENCs to S-101 ENCs until HO's begin to produce full specification S-101 ENCs?

“HOs are liable for all their data so conversion and liability can not be transferred to a RENC/VAR.

Current converters can only convert simple ENC data, but our experience in PRIMAR is that our data also include very complicated and special encoding of features. A majority of data (1/3 of approx. 10.000 ENC cells) can be automatically converted, but we expect there will be instances that must be edited manually. It must be considered if a conversion service will need to be type approved.

During the transition period for S57 to S101 will all OEM systems in the market already have functionality to read S57 data as part of the type approval process. Only newly installed OEM systems will have additional S101 functionality.

There will also be a need to review the extent of conversion supported by such software since there are many feature/attribute combinations and a requirement to also generate S101 updates with appropriate file record references. “ (PRIMAR survey revised version from ECC email 30/11/2012)

“If HO's were providing their data in both formats this would double the number of validation's for RENC's, therefore for that reason, it would make sense for either the RENC's or VAR's to provide the conversion, the problem with that approach is who would then take liability for the converted data ? also this approach is unlikely to be accepted by all HO's (as with SENC delivery at the moment)” (IC-ENC)

“ENC producer has responsibility of ENC data. HO converts S-57 ENC data into S-101 data by themselves or under their authorities.” (JHA)

“Since we are a VAR, the RENCs should provide S101 data to the VARs.” (Datema)

10.- How will you inform your users about new ENC data being made available in S101 and the possible impacts it might have on any existing service elements?

“IHO (with its member states and RENCs) will have an important role selling and informing about the new S101 to all stakeholders with the right arguments to get acceptance for a coordinated transition plan.

A VAR/Distributor will probably focus more on selling products and services where they can make a profit. It can be expected that they will support a S101 service when they receive sufficient number of customer demands.” (PRIMAR survey revised version from ECC email 30/11/2012)

‘Still to be discussed’ (Jepessen)

“As a RENC, our direct users are VARs whom we would inform through direct correspondence. We would expect/require them to notify the end users through advertising campaigns” (IC-ENC)

“Explanation of merits of new ENC data is duty of ENC producer. We will introduce HO's announcements to our customers.” (JHA)