

S-101
Impact Survey Report
France



Outline

- ✦ Survey is part of S-101 Impact Study
- ✦ Impact Study is an application of IHO resolution 2/2007
- ✦ Aims of the survey
 - Obtain feedback from the different parts of the S-101 stakeholder community
 - Identify critical issues
 - Make decisions for a as best as possible transition to S-101



Impact survey

- ★ The 6 stakeholders parts of the survey
 - ECDIS Manufacturers
 - Hydrographic Offices
 - Mariners
 - RENCs and VARs
 - Ship Owners
 - Software Producers



Impact survey

- ★ Questionnaire sections (depending of communities)
 - General questions
 - Technical concepts
 - Data distribution
 - Timeframe for transition
 - Business aspects
 - Any other suggestions



Impact survey

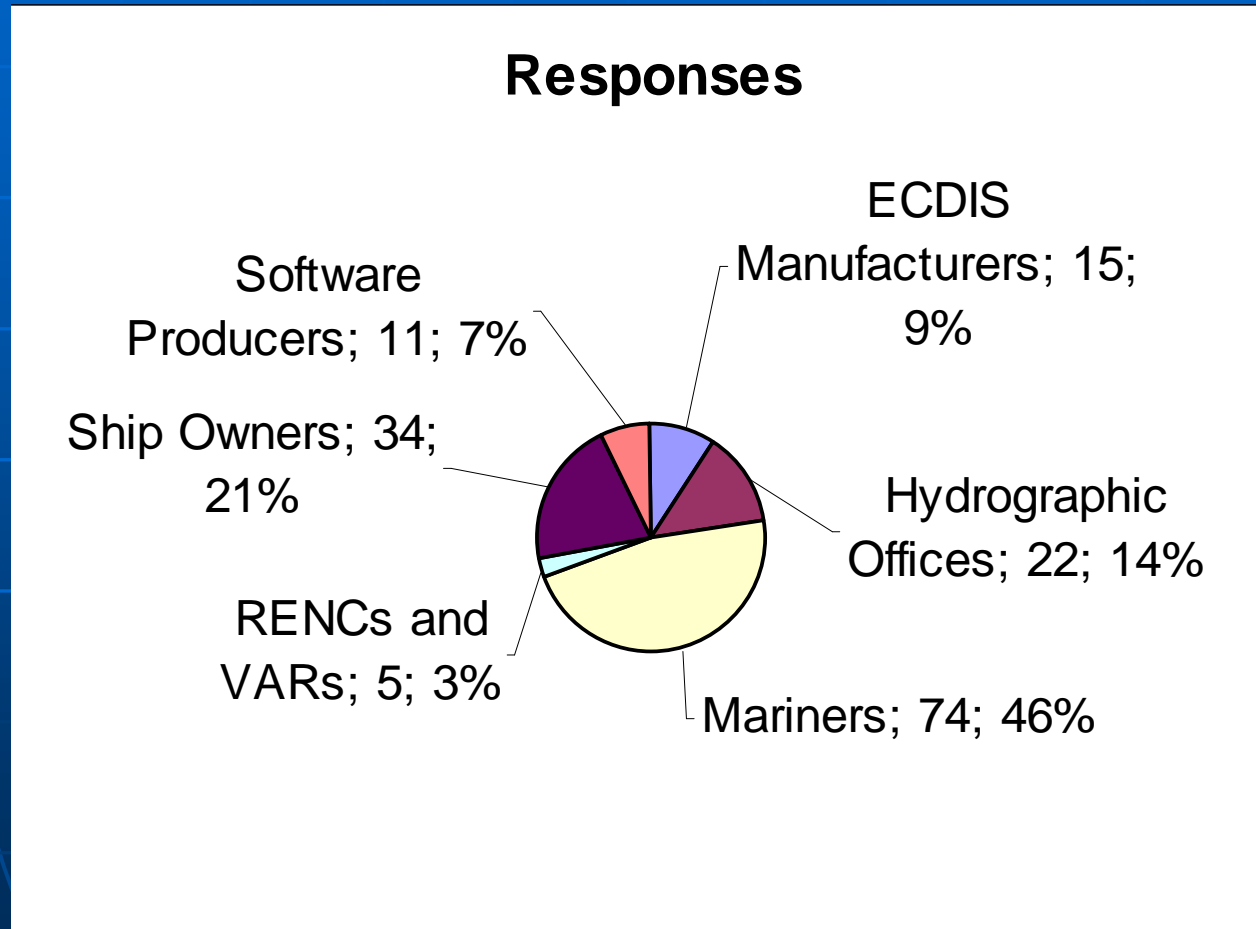
★ Method

- A high level overview of S-101 and its potential impact on various stakeholder communities has been posted on the IHO website
- An IHB letter S3/8151/TSMAD dated 13 July 2012, has been sent by e-mail to IHO list of stakeholders
- The questionnaire was available online from 13 July to 29 November 2012 at <https://www.surveymonkey.com>
- Analysis is based on scrubbed 161 responses
- Reports have been posted online
- Some highlighted and focused points are now presented



Results

✦ Demography of responses (after some scrubbing)

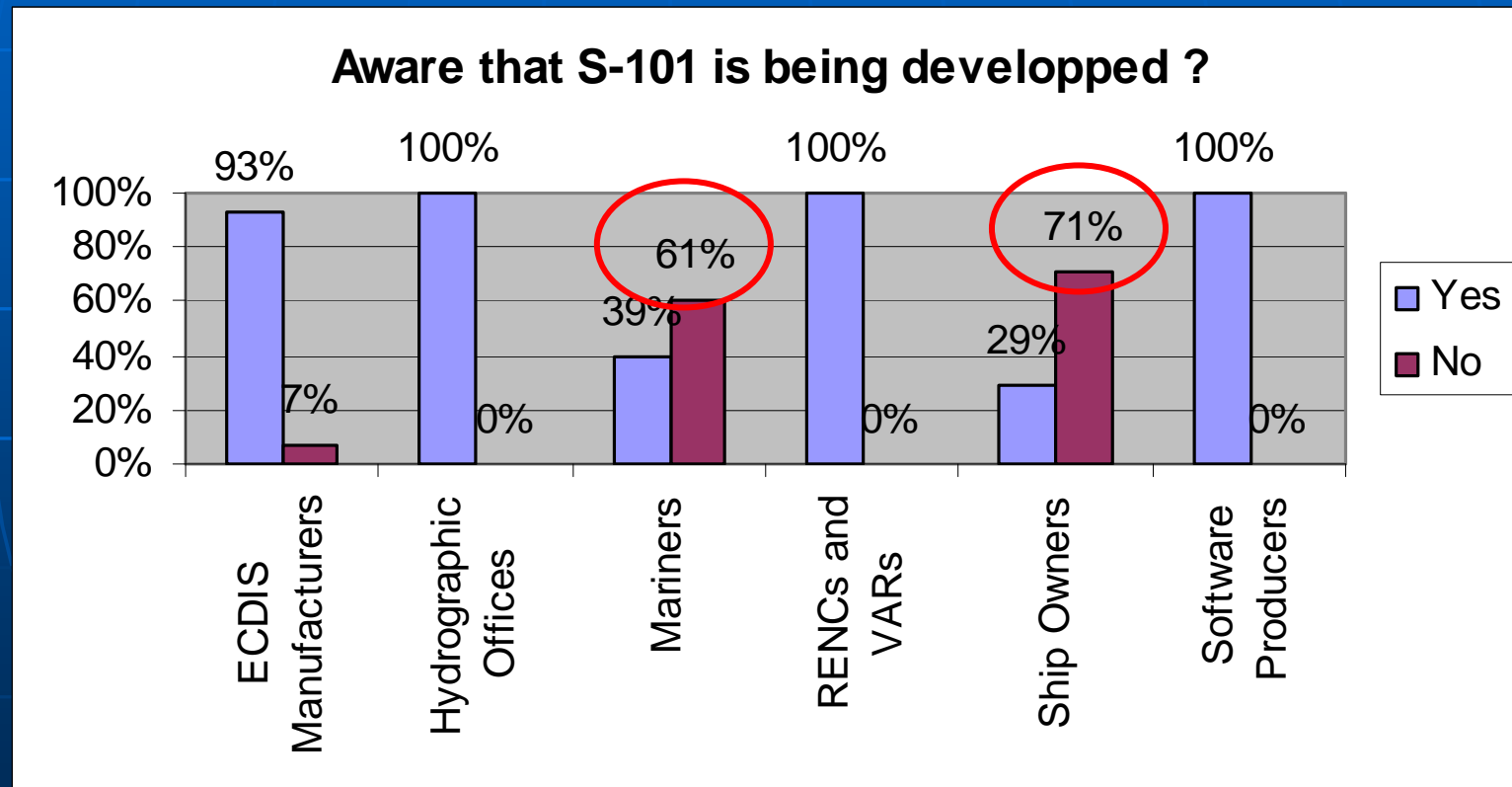


✦ Participation ratio for HO : 22 / 81 MS, let's say 27%



Results

★ General questions



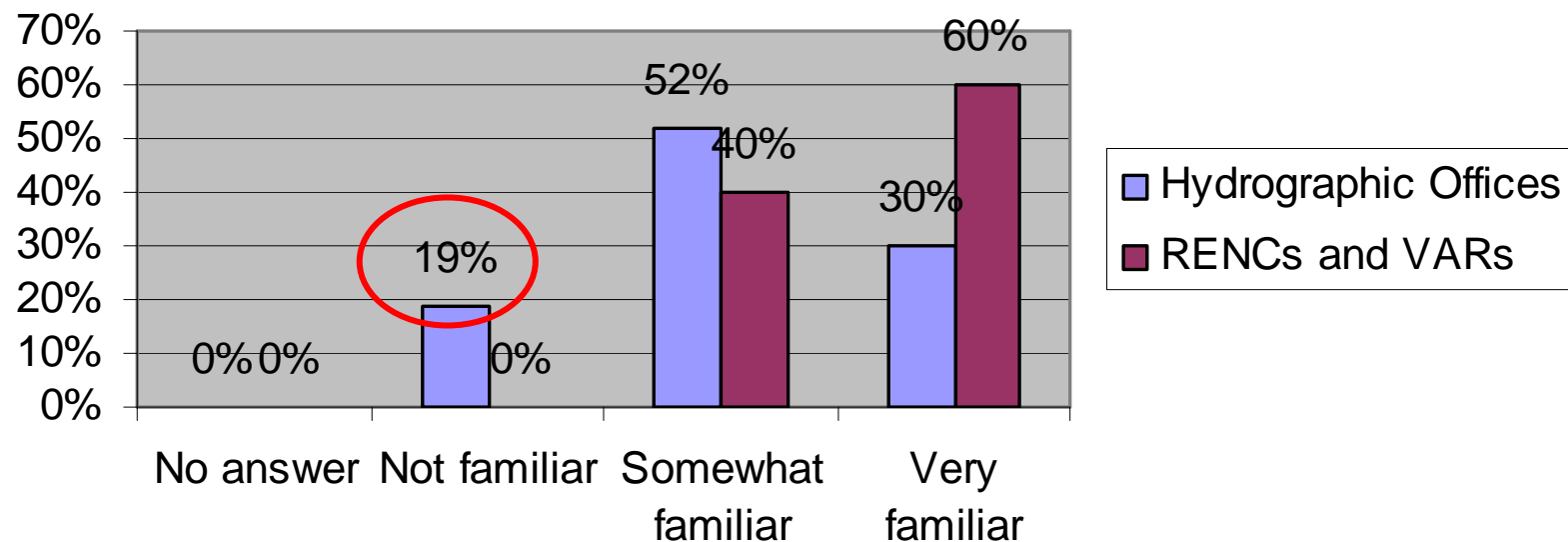
★ More promotion towards end-users should be done



Results

★ General questions

How familiar are you with S-101 development process ?

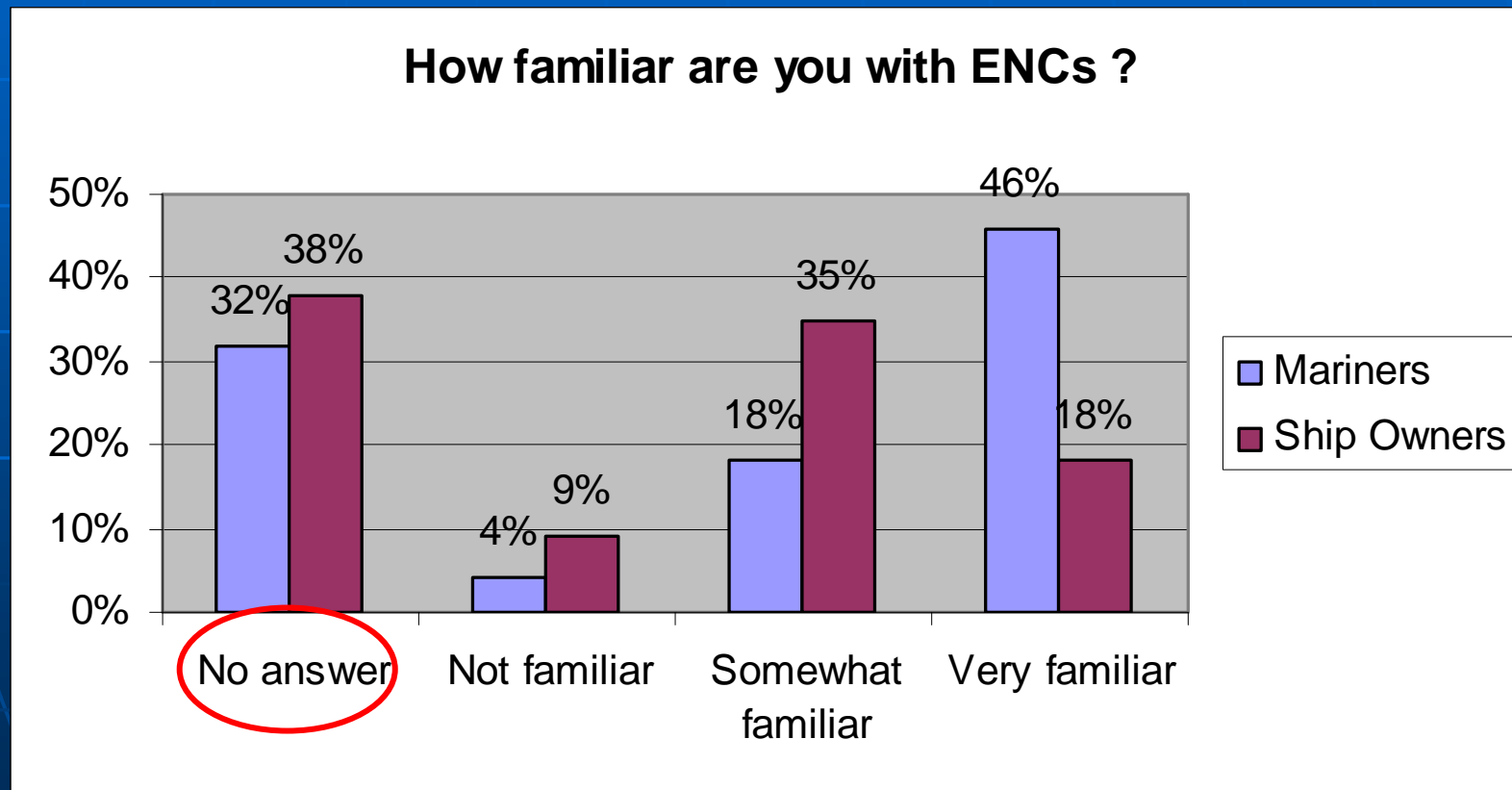


★ Insufficient involvement could lead to a lack of control



Results

★ General questions

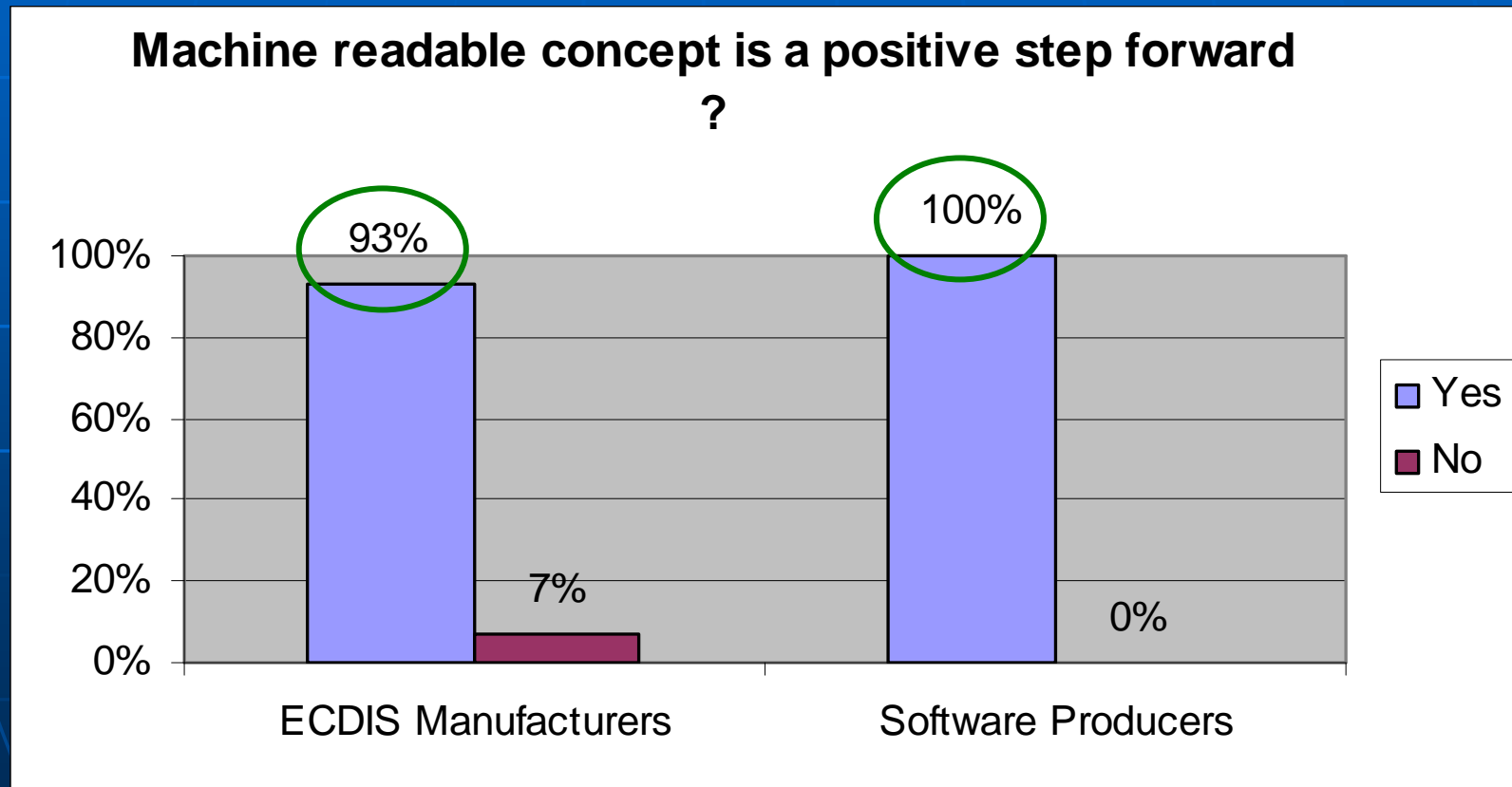


★ IMO ECDIS carriage requirements will change that



Results

★ Technical concepts

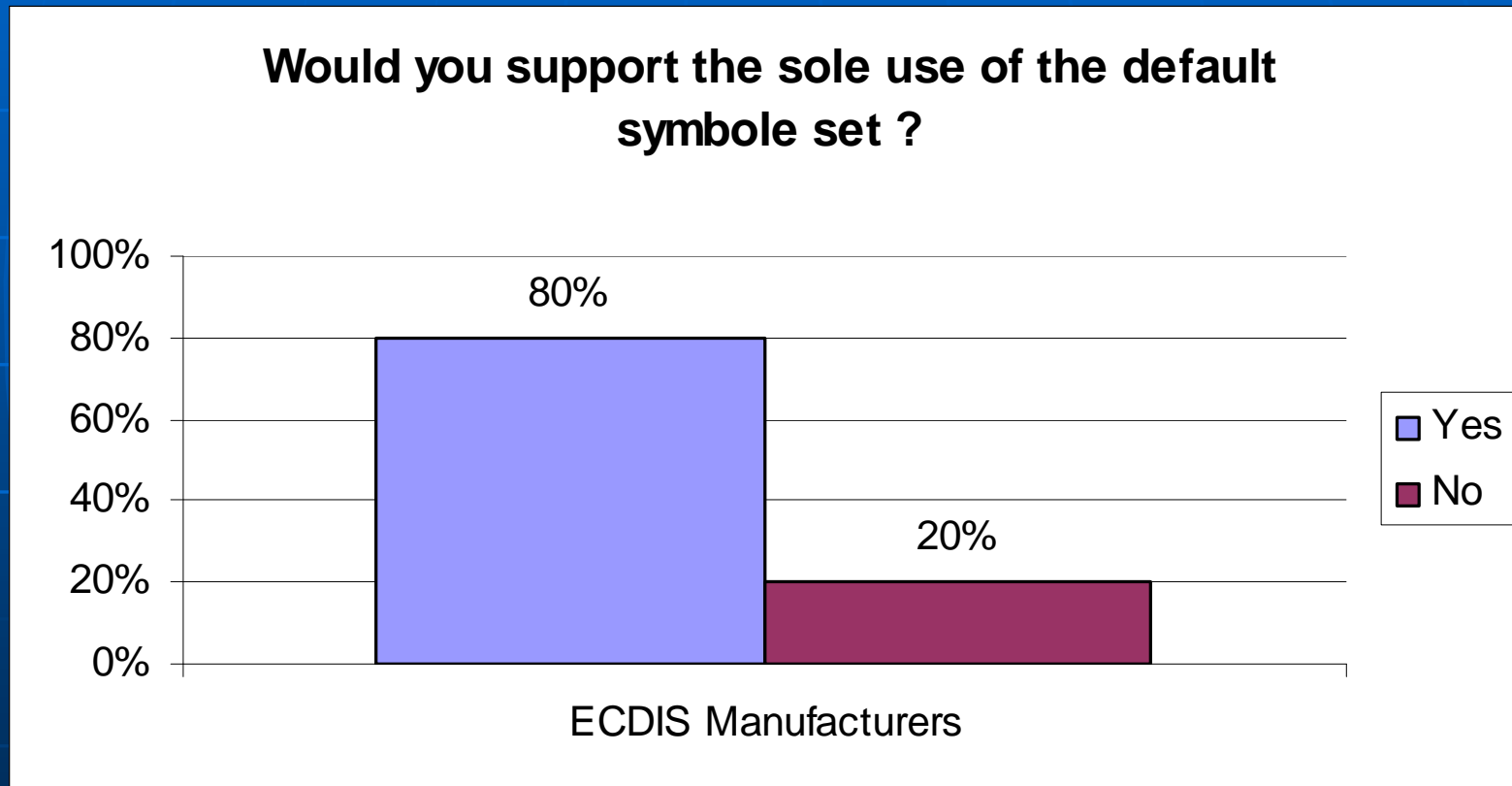


★ Quite a plebiscite for this very significant step



Results

★ Technical concepts

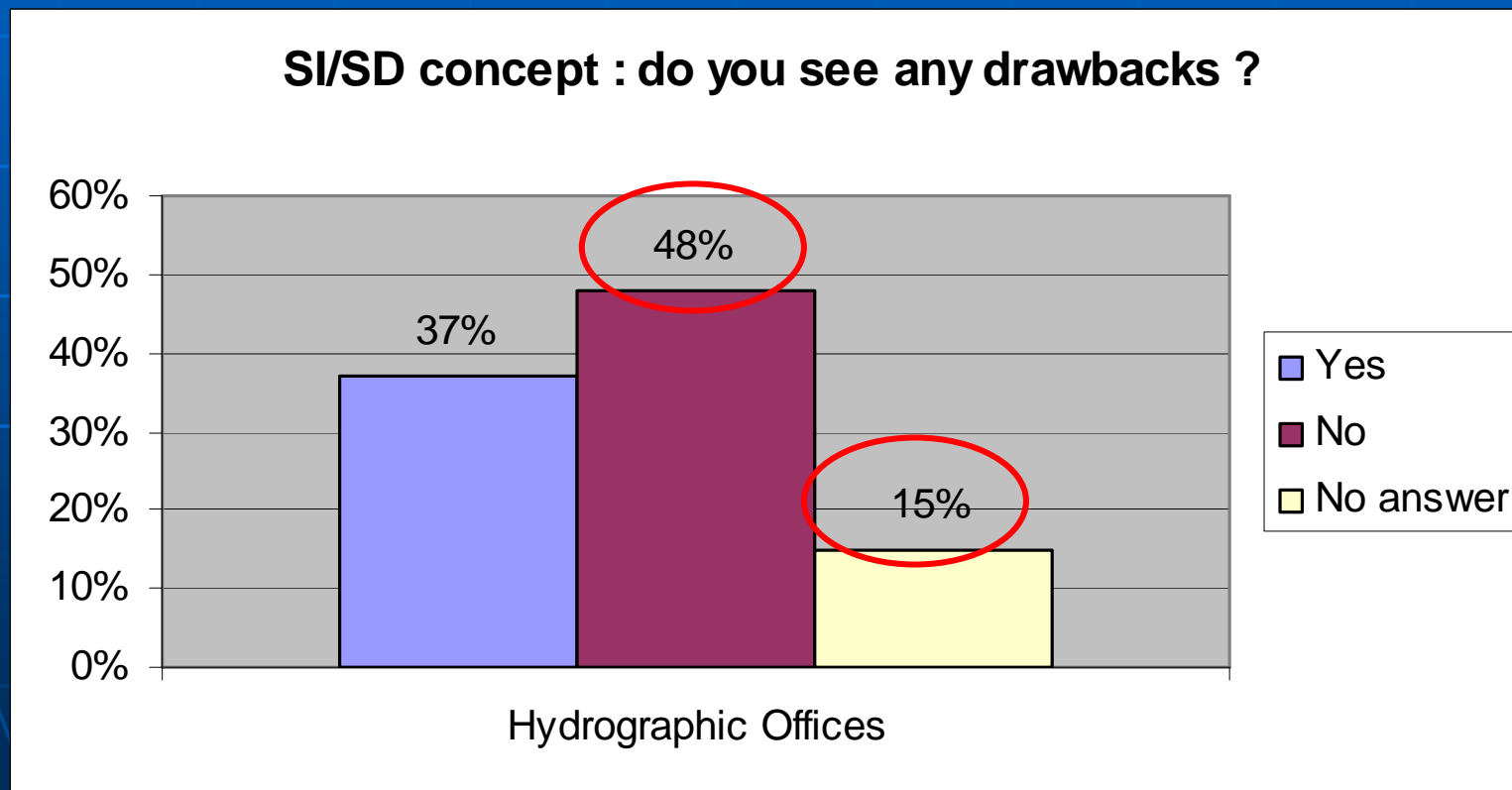


★ Big interest, urgent needs for portrayal rules



Results

★ Technical concepts

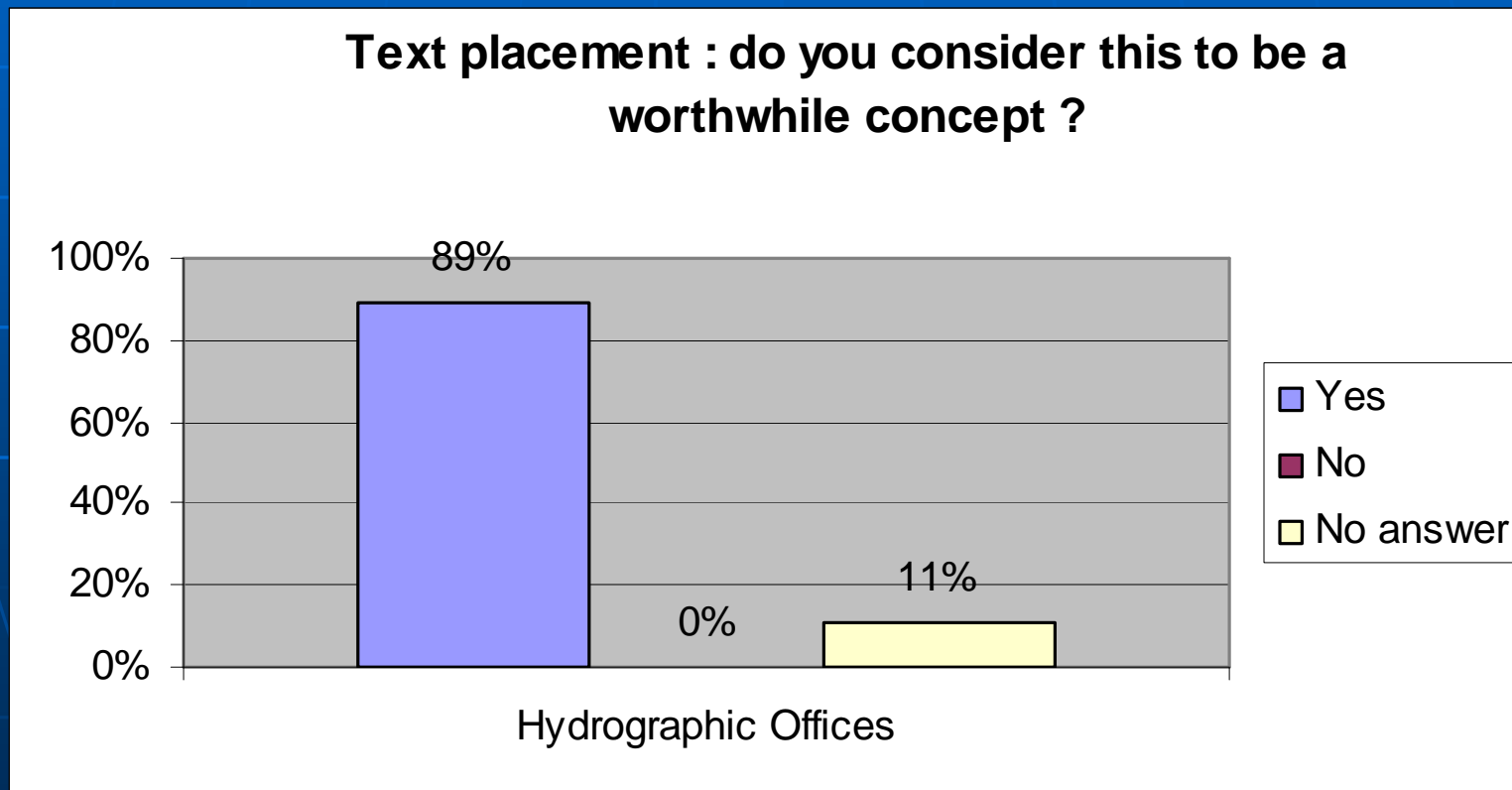


★ No consensus, too much risks



Results

★ Technical concepts

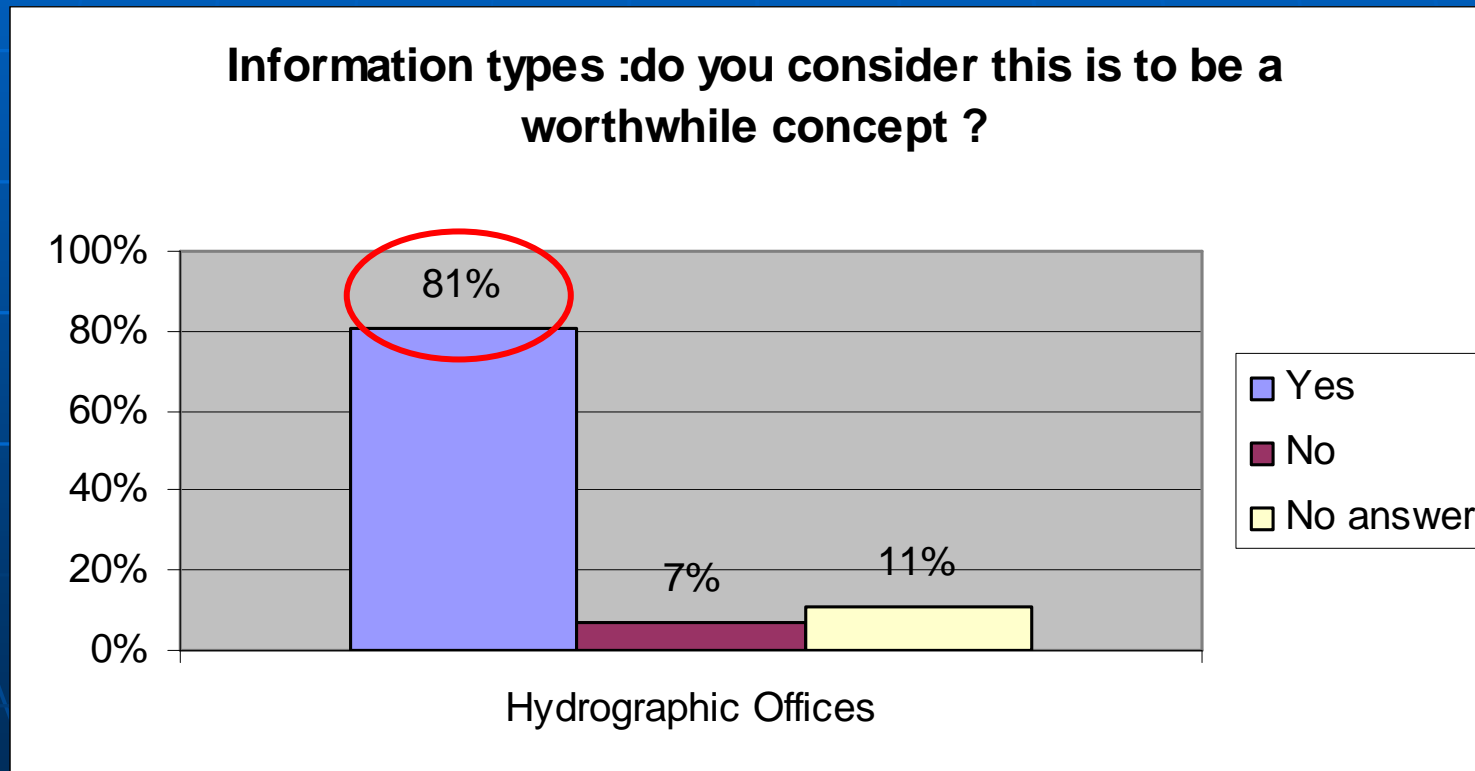


★ Essential, but implementation could lead to HO overhead



Results

★ Technical concepts

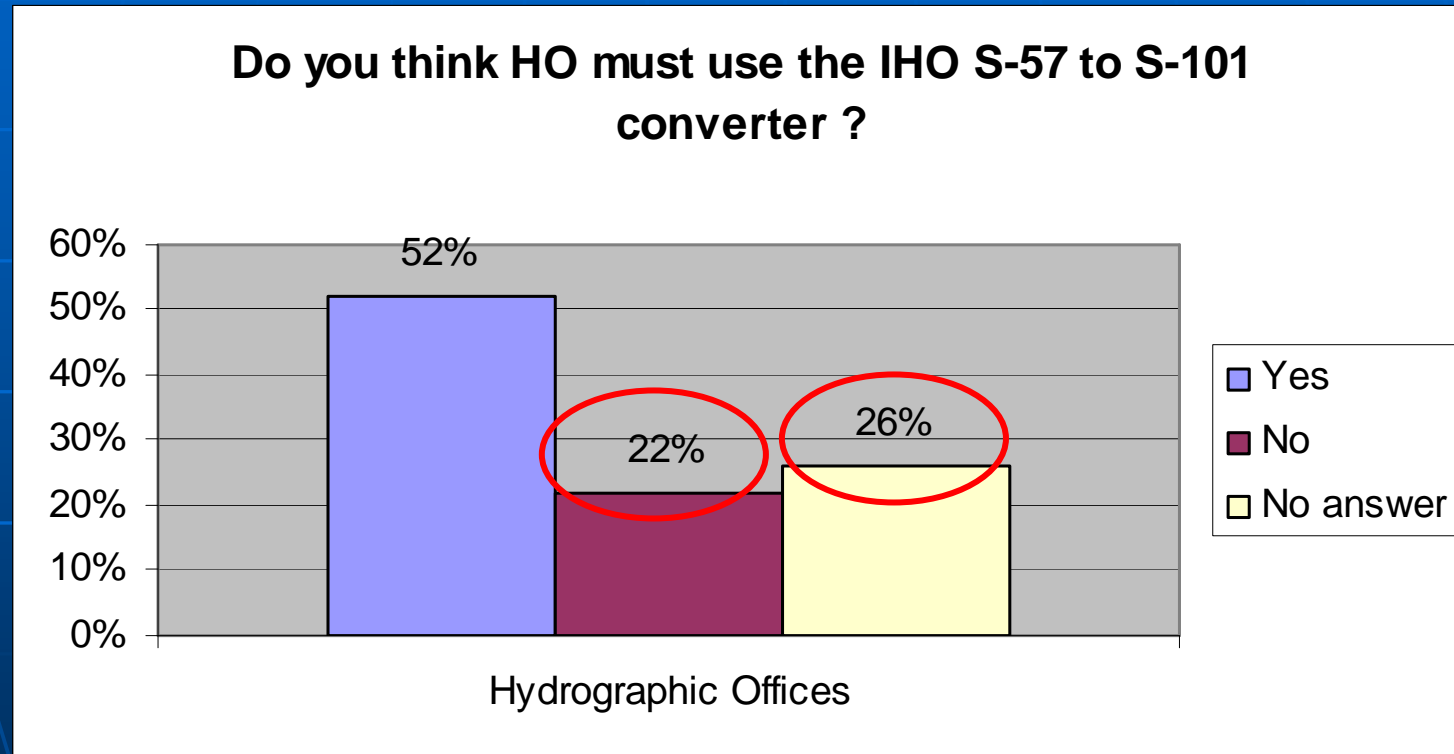


★ Essential, but not fully understood



Results

★ Data distribution (from HO point of view)



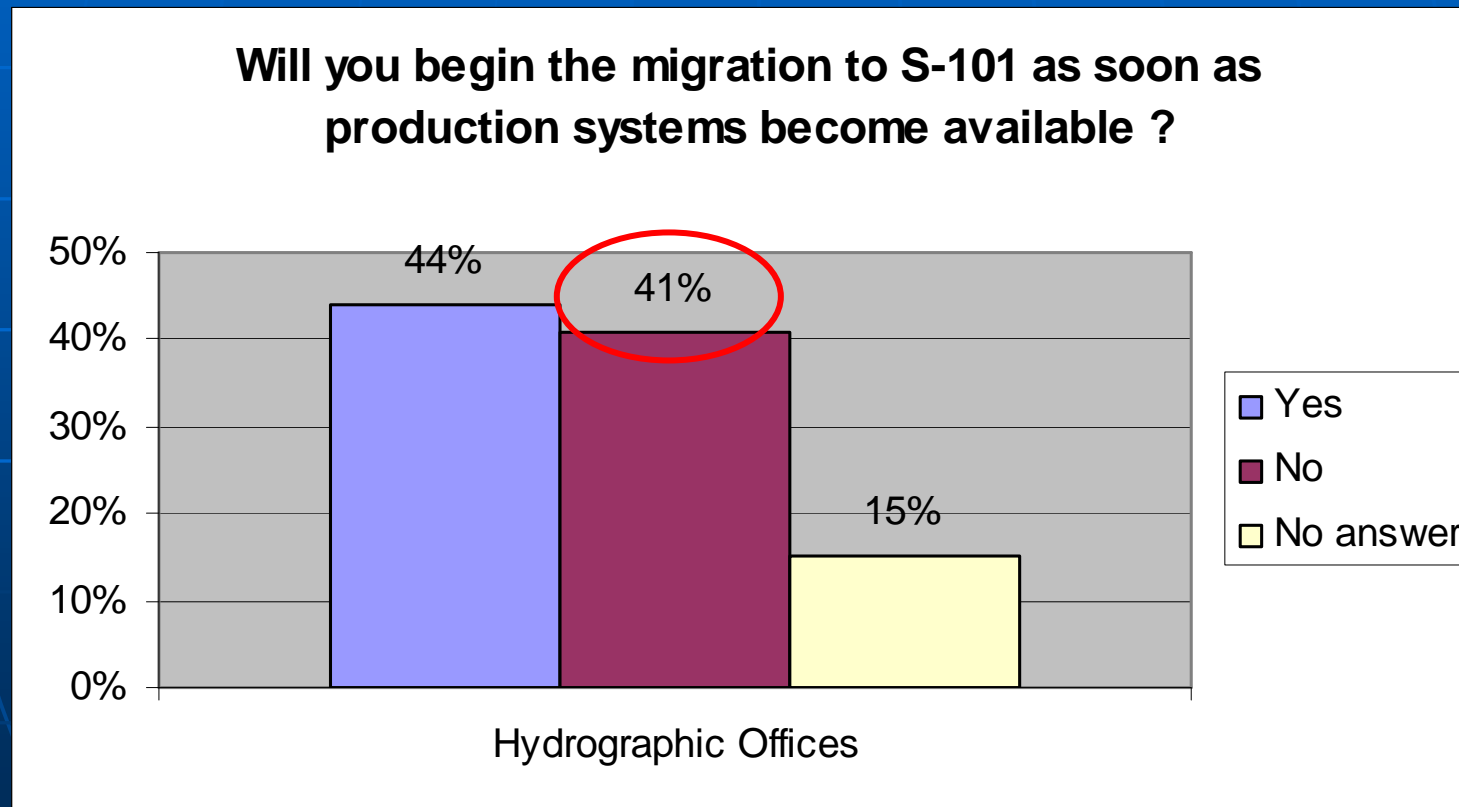
★ Who should use it ?

Better than a converter, a full compliant ECDIS !



Results

- ★ Data distribution (from HO point of view)

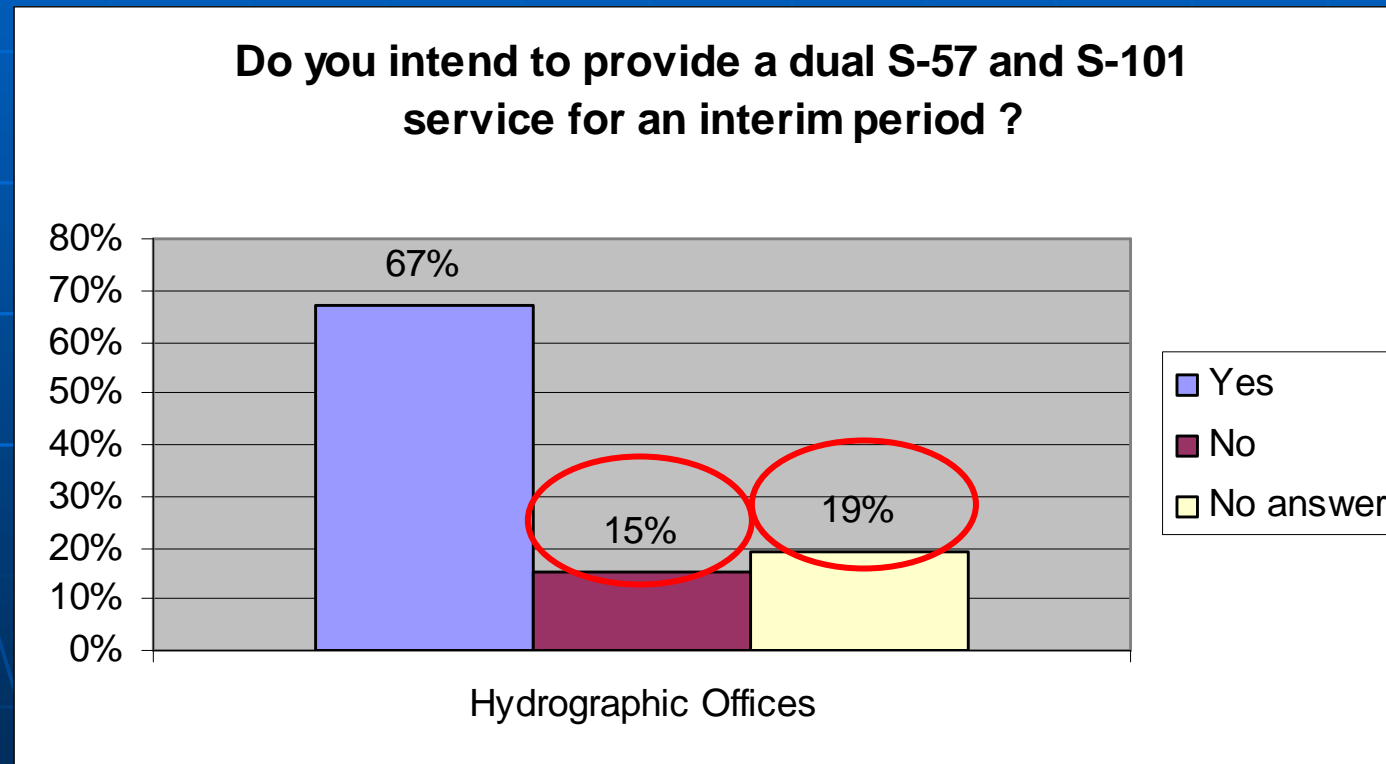


- ★ Many other factors must be taken into account



Results

- ★ Data distribution (from HO point of view)

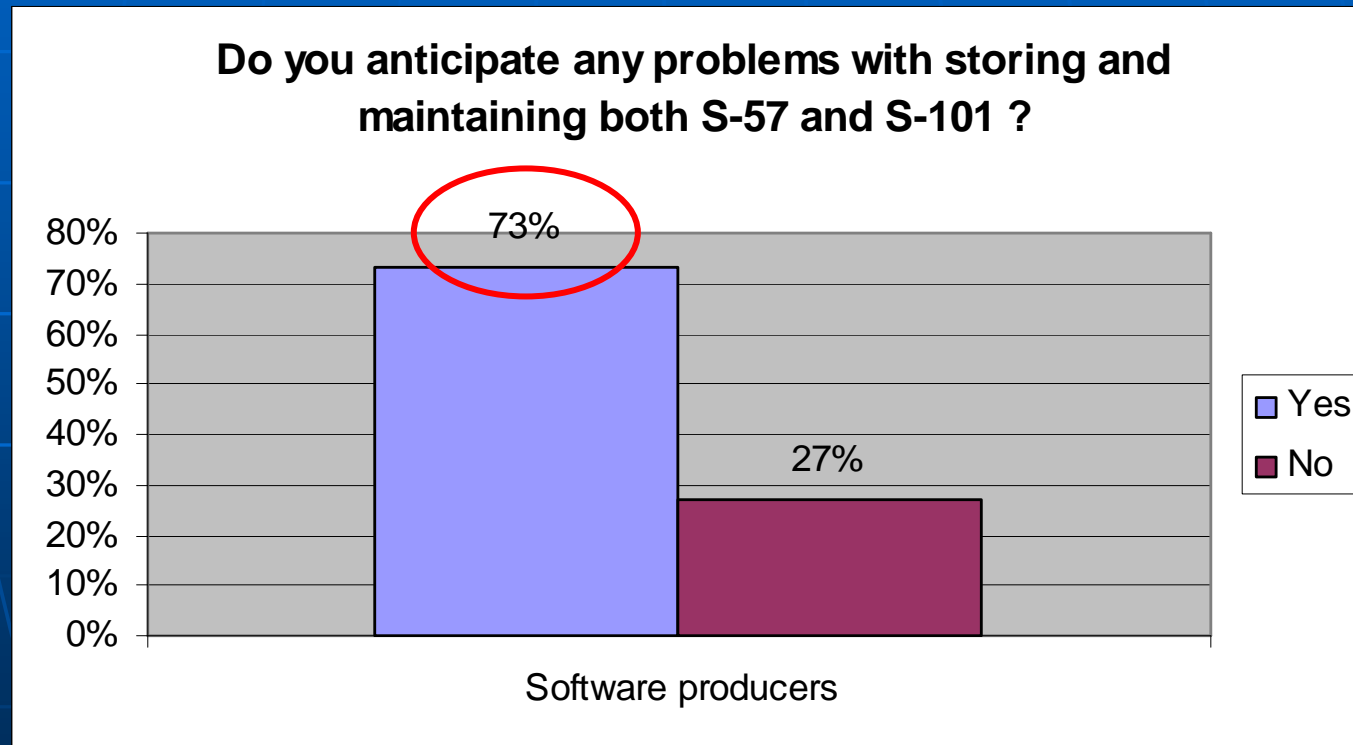


- ★ The shortest period the best, overhead for 52% of HO



Results

- ★ Data distribution (from software producers point of view)

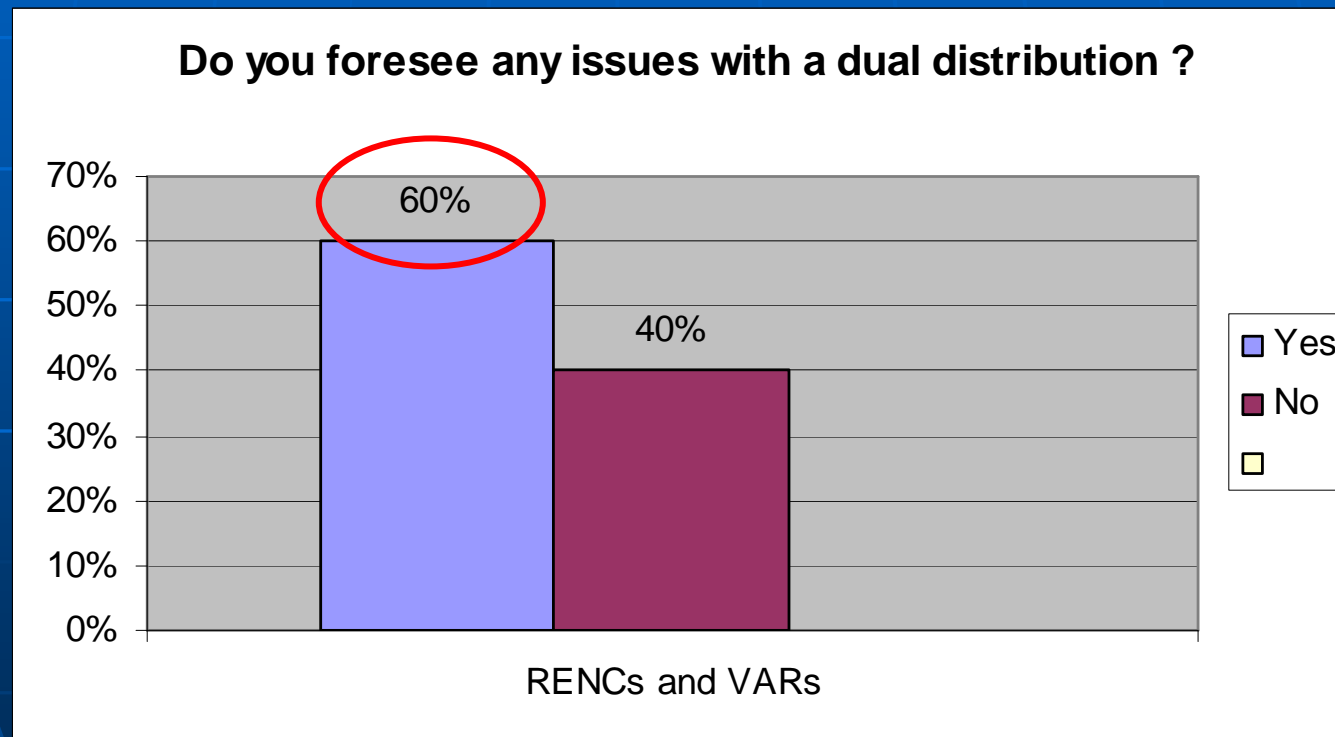


- ★ Ready and rather pretty confident



Results

- ★ Data distribution (from RENC & VARs point of view)



- ★ No clear business plan, no winning selling point



Results

- ★ Is it practicable for RENCs and VARs to offer a conversion service ?
 - NO, even if it doubles the number of final validation's for RENC's
 - HO are still liable for all their data and liability can not be transferred



Results

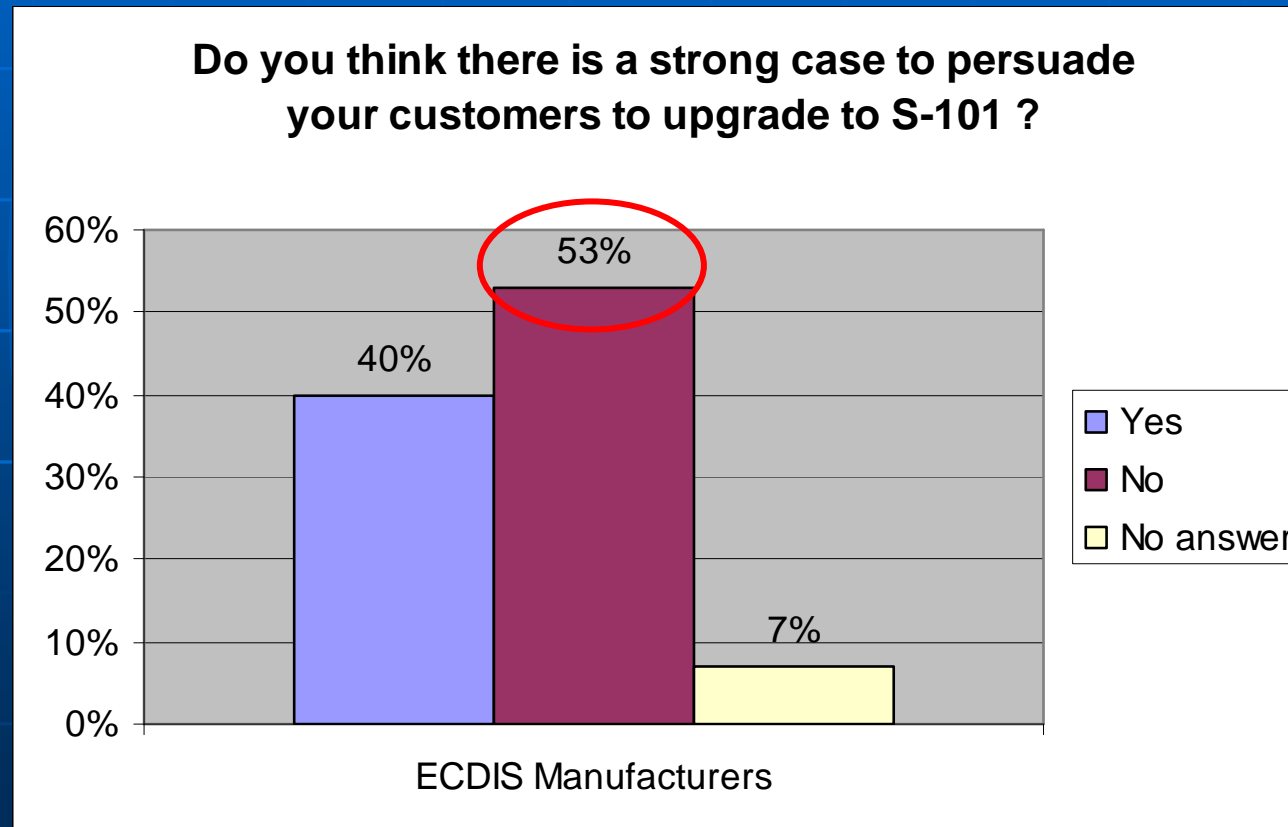
- ★ Timeframe for transition (from HO point of view)
 - ★ From 1 month to 15 years, depending on HO' ENC's coverage[*] and S-57 experience

[*] Forwarding the survey, it would be interesting to collect some figures



Results

★ Promotion

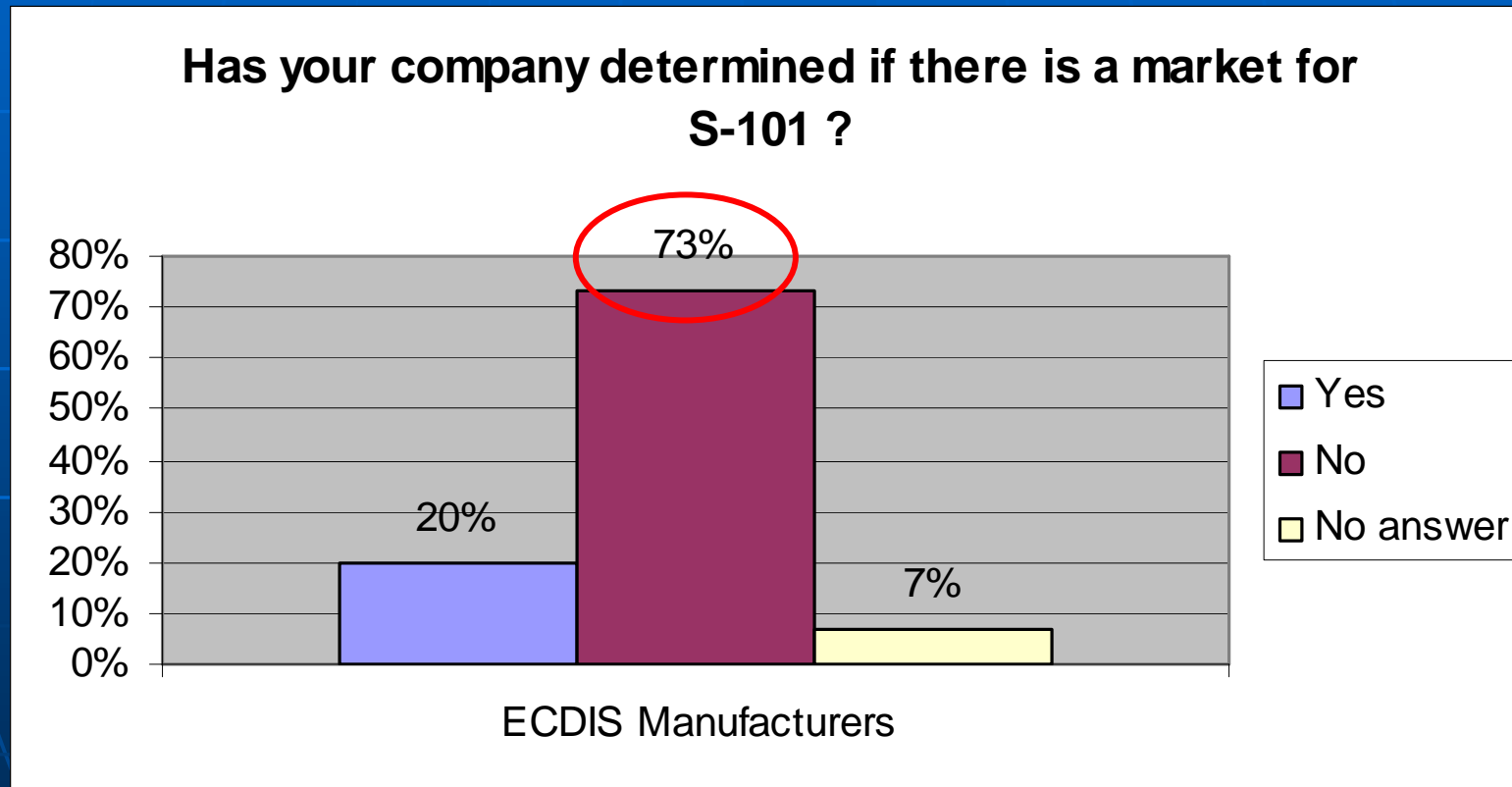


★ Still too few arguments in favor



Results

- Business aspects (from ECDIS manufacturers point of view)

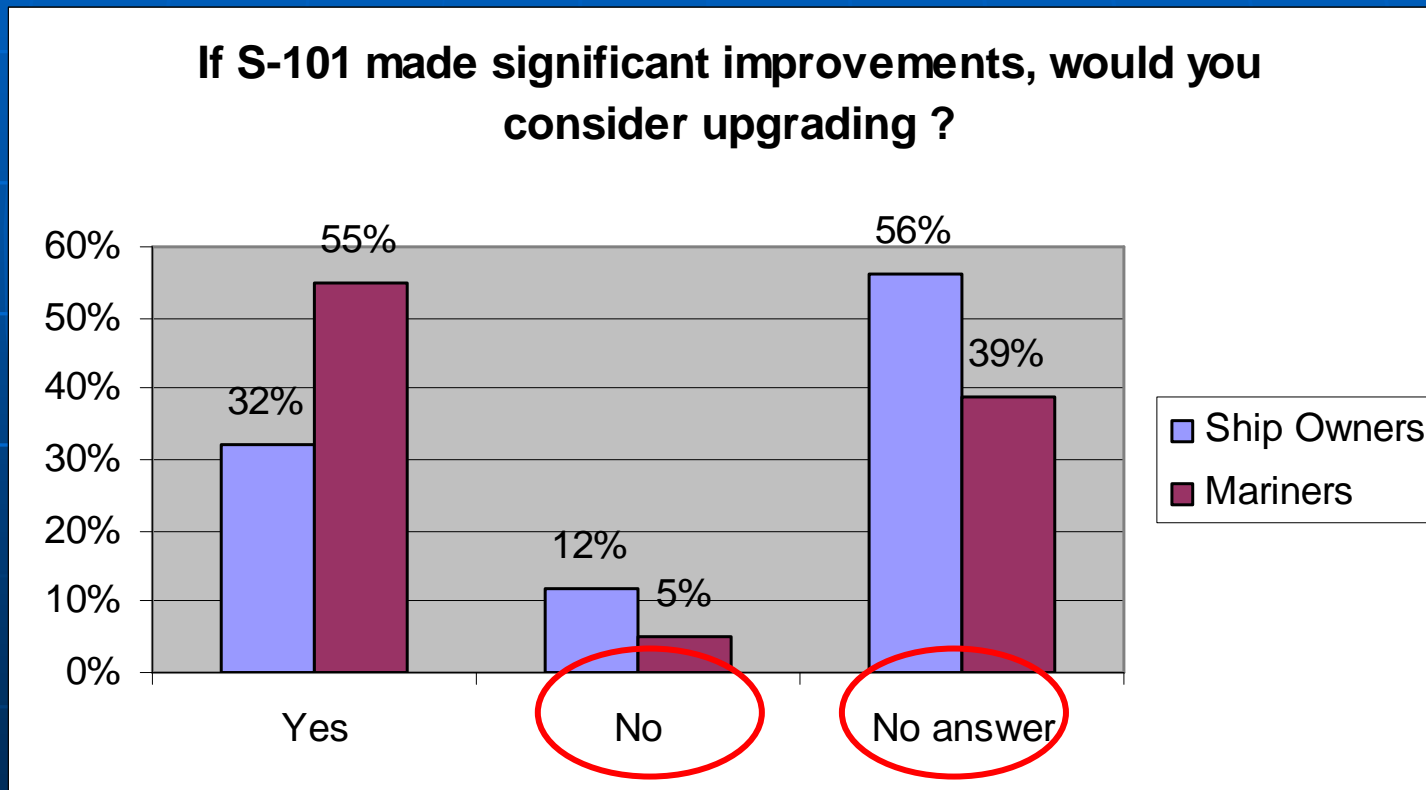


- Customer demand & cost of development still unknown
S-101 advantages need further clarification



Results

- ★ Business aspects (from end-users point of view)



- ★ No enthusiasm, not the decision of mariners and not at any price



Results

- ★ Some suggestions, improvements or concerns (derived from HO' responses)
 - Economic cost of transition from S-57 to S-101
 - Impact of dual production systems
 - Unknowns and risks attached to SI/SD concept
 - No overall roadmap including IMO and IEC



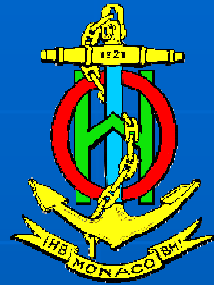
Results

- ✦ Suggestions, improvements or frustrations (from mariners' responses)
 - Biggest screens
 - Too complex
 - Coverage of charts, lack of data for remote regions
 - Too many alarms
 - Too many different manufacturers
 - Simplification of licences & updating management
 - Confusing symbology, explanations required
 - ECDIS specific training
 - Integration of list of lights and sailing directions



Follow-up from France

- ★ Actions to be discussed
 - Consolidate this survey with 7C's one
 - Simplify S-101 concepts and accelerate transition : save expert resources, no wasting effort on SI/SD (cf. proposal TSMAD25-4.6.4)
 - Review requirements, set priorities to make S-101 more attractive, cheap and affordable
 - Cross match the gap-analysis with S-101 new functionalities
 - Feedback from production and end-users : all ECDIS anomalies, standards ambiguities fixed in S-101 ? (S-101 Test Plan)
 - Invest more in Portrayal
 - Building of an S-101 economic model (no losing communities)
 - Minimize costs and risks



Thank you for your attention
Any question ?