



Product and Service Developments

Distributor Seminar 2018



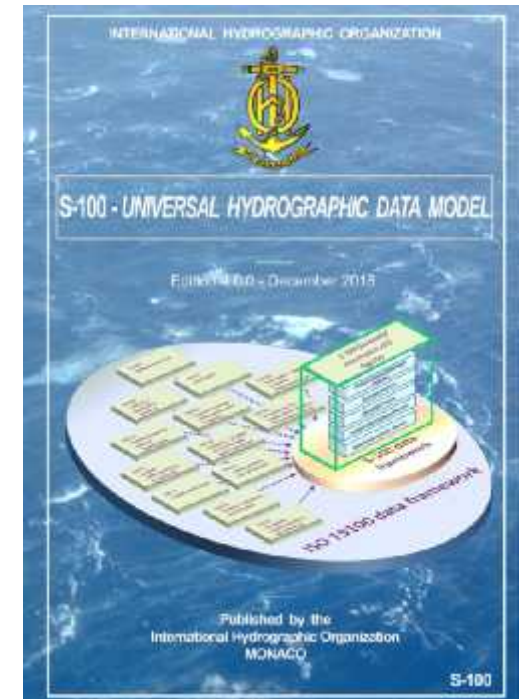
Presentation Outline

- IHO S10X standards development and PRIMAR plans
 - S100, S101, S102, new Protection Scheme
- PRIMAR Business-to-Business (B2B) interface
- New PRIMAR Chart Catalogue

IHO plans for new standards



- IHO publishing next generation of chart standards
 - S100 IHO Universal Hydrographic Data Model
 - Common Data Model to be used by all other IHO standards
 - Edition 4.0.0 to be published early 2019
 - S101 Electronic Navigational Chart
 - Will replace S57 as standard for ENC data
 - Edition 1.0.0 to be published early 2019
 - S102 Bathymetric Surface
 - Encoding and exchange of bathymetric data
 - Edition 2.0.0 to be published early 2019
 - S100 Part 15
 - New Data Protection Scheme to be used with S10X products
 - Same security constructs as S63, different algorithms and formats



PRIMAR plans for S57 and S10X



Queen Mary 2 voyage in Oslofjord on S57+S102 datasets

PRIMAR development plans



- Have functionality to support S102 service distribution
 - Data protection to be added Autumn 2018
 - S102 viewer and web service available internally
- Developing functionality to support S101 services
 - Dual fuel service with S57 and/or S101
 - Core S101 import and validation functionality available, working on new Data Protection and data export
 - Combination of S63 for S57 and new Data Protection for S101

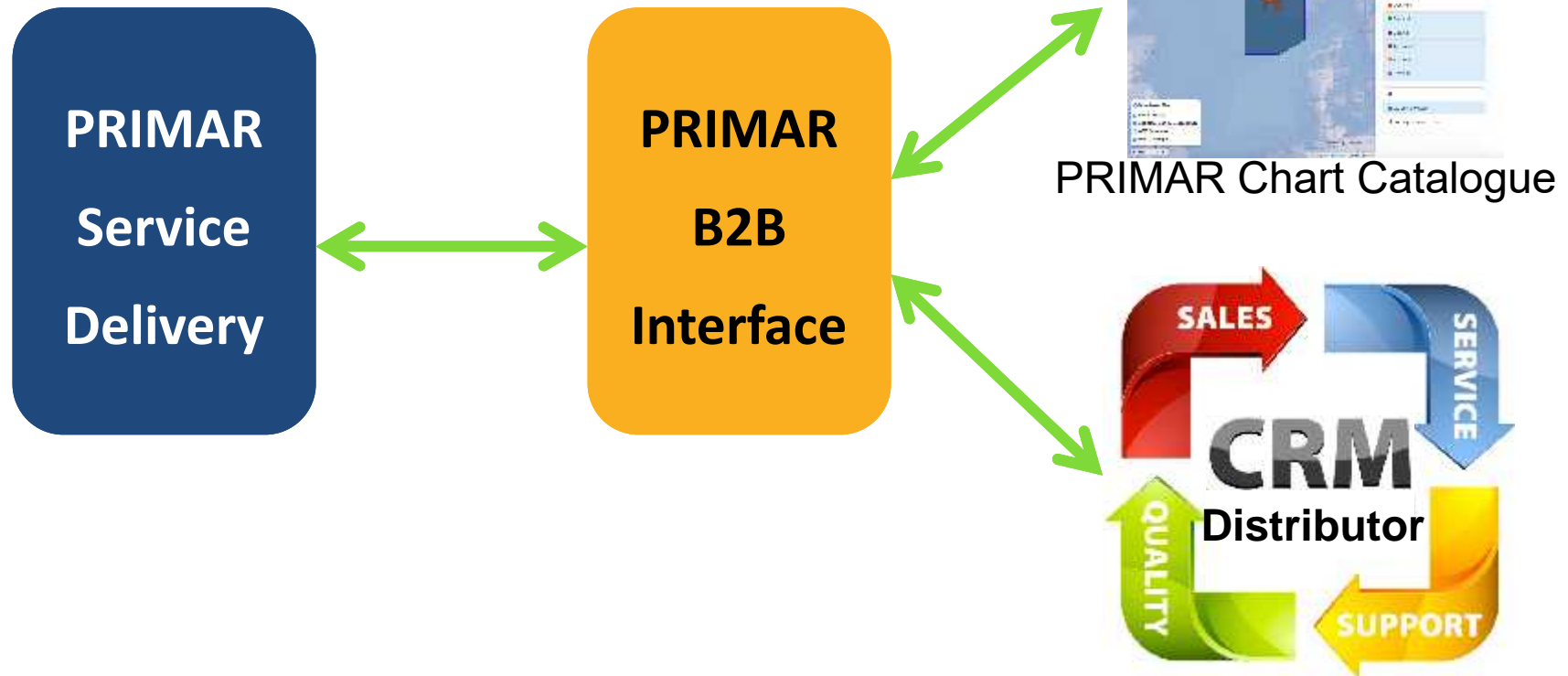
Dual-Fuel Service

- Dual-fuel service available when HOs deliver S101
 - HOs with different production timelines
 - ECDIS with different development timelines
 - End-users with different system upgrade schedules
- Long transition period with dual-fuel service
 - Difficult with internationally agreed switchover date
 - PRIMAR online services will hide ENC standards issues
 - Integration of ENC data with other S10X products

Distributor Considerations

- All current users can only support S57-S63 services
- Delivery of dual-fuel S57+S101 services
 - Must activate user ECDIS systems when supporting S101
 - Indicate user preferences
 - Preference of S57 or S101 where both datasets available
 - HO pricing policies; coverage pricing or product pricing
 - Double set of permit files in dual-fuel ENC service
- Will require extensions to PRIMAR Chart Catalogue and B2B interface
- Invite selected distributors for development of dual-fuel services

PRIMAR B2B Principles



Interface details

- Two strategies for supporting PRIMAR B2B interface
 - 1) Develop support for SOAP messages yourself
 - 2) Use Java code library to securely connect, register customer and place orders
 - Can also use Java source code as template to develop support for B2B in your preferred language
- Java source code:
 - <https://github.com/ElectronicChartCentre/gdsclient>
 - Get username/password at info@primar.org
 - Fully functional example handling all interchanges



PRIMAR[®]

Chart Catalogue on Web

- Combining multiple PRIMAR interfaces into a single service
- Easy management of customers, orders and transactions
- All PRIMAR products
- Easy access to additional services
 - PRIMAR User Certificate
 - Online Permit generator
 - PRIMAR Update Tracker
 - ENC Improver
- Welcome feedback and functionality requests
- Training seminar 25. September

