



PRIMAR[®]

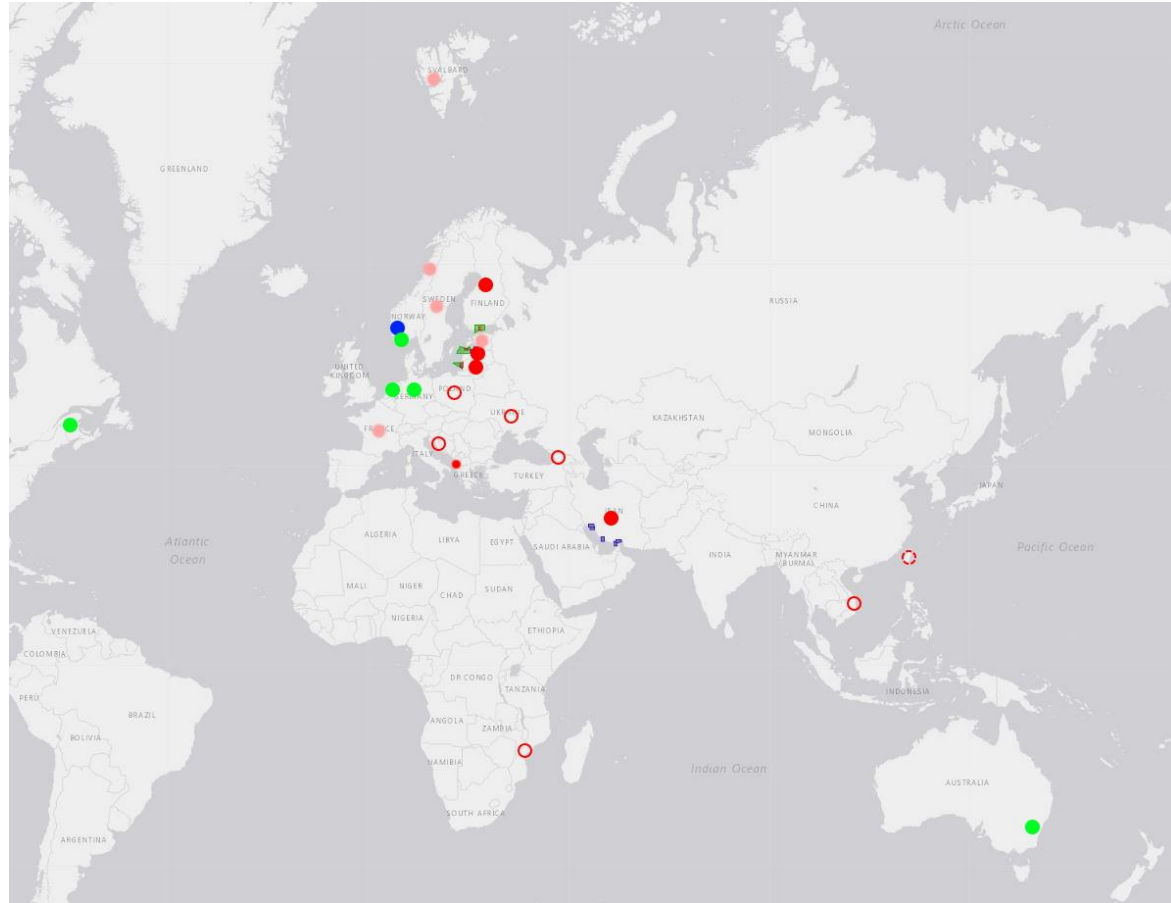
PRIMAR Conversion Task Force

Status 12.06.2023.

Project Participants



- Project Lead:
 - PRIMAR
- All PRIMAR members and Taiwan were as Participants, active – 12 HOs (55 test datasets)
- Industry (OEM) participants:
 - PRIMAR/ECC
 - i4Insight
 - SevenCs/Nautical Dimensions
 - CARIS



Blue dot – PRIMAR
Pink dots - Group 1 Member states
Red dots - Group 2 Member states
Red circles - Group 3 Member states
Green dots - OEMs

Background and Motivation

- Approached by HOs requesting feedback on guidance on data conversion (conversion strategies, sharing of experiences, transition to S-10x, dual-fuel production)
- Conversion Task Force Project agreed by PRIMAR Advisory Committee (PAC) in November 2020
 - Terms and conditions agreed with PRIMAR Member States end of May 2021
- AND a possibility for PRIMAR Member States to participate in other PRIMAR S-100 projects with HO's own S-101 ENC test data

Systems Providers

- Teledyne – CARIS platform – online converter.
 - Online tool with FC 1.0.0 conversion
 - S-57 to S-101 conversion
- SevenCs – 7Cs Analyzer – S-101 ENC validation
 - Latest with selectable FC version option and S-101 portrayal module.
 - SevenCs S-57 to S-101 converter based on FME workbench (2023 spring addition)
- i4 Insight – dKart platform – desktop and AWS PC converter
 - Local and AWS installation option
 - Latest version with selectable FC versions for conversions
 - Both ways conversion - S-57 to S-101 AND S-101 to S-57 conversion
 - Visual inspection and analysis of conversion results
- PRIMAR PORTAL - upload checks, validation and ENC release “sandbox”
 - VPN, VRC
 - Dual Fuel release
 - PRIMAR Training Portal with various S-100 module courses.
- GitHub for system support, questions and answers and knowledge and experience exchange

Project plan and phases

Project is divided in 3 phases



- Resource, license and cost limitations restrict number of participants, who can access some tools simultaneously
- PRIMAR PAC has enabled funding to enable all PRIMAR Member States to participate
- Flexible Group participation approach applied for best time fit for each HO “active phase” conversions.

Phase 2: Conversion and Validation



3	Activities	2023											
		Mar	Apr	May	Jun	Jul	Aug	Sept	Oct	Nov	Dec	Jan	Feb
25	Perform test conversion and validation (Approximately 1 week per												
26	HO to suggest test cells	█	█			█	█			█			
27	Perform conversion with HOs		█	█	█		█	█	█	█	█	█	█
28	Analyze conversion results		Group 1					Group 2			Group 3		
29	Perform validation		█	█	█		█	█	█	█	█	█	█
30	Analyze validation results		█	█	█		█	█	█	█	█	█	█

- Active Group performs conversion + validation and evaluate results “actively”
- Other participants should “Watch”, actively contribute to GitHub discussions and do their test S-57 ENC re-conversions when new versions of tools become available.

Phase 2: Extended

3	Activities	2023			
		Jan	Feb	Mar	Apr
25	Perform test conversion and validation (Approximately 1 week per HO)*				
26	HO to suggest test cells				
27	Perform conversion with HOs				
28	Analyze conversion results				
29	Perform validation				
▲ 30	Analyze validation results				

- To be better prepared for the planned IHO PS S-101 v.1.1.0 testing activities over the 2023, ALL participants can re-convert the test datasets using the latest converters and validation tools, or use the new SevenCs conversion tool released for the project mid March 2023.
- Participants continue to provide feedback, raise issues and register results on GitHub – helping also other participants to gain confidence in conversion activities and build S-100 capacity.
- Project HO Participants are also given an opportunity to participate with their existing S-57 test datasets in the IHO and Singapore Lab’s organized Conversion Project (4)

Next: Phase 3 - Project Reporting



Activities	Oct	Nov	Dec	2023 Jan	Feb	Mar	Apr	May	Jun	Jul
Report on standardisation status								█		
Report on conversion results			█			█		█		
Report on validation results								█		
Report on conversion/national guidance								█		
Identify development issues to improve conversion/validation	█	█	█	█	█	█	█	█		
Report on strategic issues								█		
Review draft report		█							█	
Final report available										█
Final Presentation PSWG/PAC 2023								█		█

- Prepare final report to PRIMAR Advisory Committee
 - Based on guidance and feedback from HOs and PRIMAR
- PRIMAR and HOs co-produced guideline procedures for data conversion and validation
- Status reports at PRIMAR PAC
- Feedback to IHO S-57 to S-101 Conversion SubGroup (ENCWG) and other appropriate S-101PT SubGroups