

# eMar services from a classification point of view

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# Standardized solution for information exchange

## Safety – security – environmental protection - classification

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- Standardized data formats and solutions for facilitating information exchange is useful for a range of services from classification societies
  - e-class services for communication with class (electronic classification)
  - Condition monitoring systems
  - Simplified ship to port pre-arrival reporting
  - Route optimization services – NavTronic
  - Security of critical maritime infrastructure – SecTronic
  - Emergency response services – ERS
  - Environmental monitoring services – air emissions, ballast water, waste handling, etc...
  - Real-time navigational risk management systems
  - Education and training services
- In many of the services, standardization is key to facilitate enhanced information exchange

## Ship Reporting Formalities Tool – Navigator Port eMar pilot

- A service to simplify port clearance procedures from a bridge point of view
  - Reduce amount of paperwork
  - Provide correct information and forms
  - Electronic reporting directly to Authorities
  - Forms programmatically linked to vessel logs and databases
- eMar pilot service
  - Implemented as web service using the CRS
  - Successful submission of pre-arrival information to eBOS test-bed
  - Immediate confirmation if submission is OK or useful error message



## Class and survey status pilot

- Provide information about classification and survey status as a web service using the CRS
  - Currently, public information is available
    - Vessel info, summary, certification status and survey status for class and statutory certificates and surveys
  - Available at <https://exchange.dnv.com/exchange/VesselInfoWS.asmx?WSDL>



## Final remarks

- Many services from classification societies have great potential for being offered through standardized solutions and data formats
- Two examples have been implemented in pilot services
  - Port pre-arrival reporting
  - Class and survey status
- DNV GL are ready to update many of our services
- However, standardization and agreement of common format is deemed a prerequisite wide uptake and commercial launching of the services





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