Electronic Ship Reporting System

How do you tame bureaucracies around the world?
Types of Ship Reports

1. ARRIVAL/GENERAL DECLARATION
2. BALLAST WATER LOG
3. CARGO DECLARATION
4. DISEMBARKATION CERTIFICATE
5. SHIP CERTIFICATE
6. CREW EFFECT DECLARATION
7. CREW VACCINATION RECORD
8. CREW LIST
9. FOREIGN CURRENCY LIST
10. GENERAL/NIL LIST
11. HEALTH
12. PASSENGER LIST
13. PORT OF CALL LIST (VOYAGE MEMO)
14. SECURITY REPORT
15. SHIP’S PARTICULARS
16. SHIPS REPAIRS
17. SHIP STORES DECLARATION
18. TANK CONDITION
19. WASTE NOTIFICATION
### Arrival Declaration

**Name of Vessel**: HANJIN TAMPA  
**Call Sign**: AB23436  
**Voyage No.**: 23212332  
**Buoy No.**: 435435  
**Arrival Time**: 5/20/2015 12:00:00 AM

#### (1) Shipping Particulars

- **Name of Owner**: Delphi Navigation Ltd.  
- **Nationality**: KOREA  
- **Port of Registry**: Busan  
- **Tonnage-Gross**: 16,252  
- **Net Tonnage**: 45,350  
- **Year Constructed**: 2,015  
- **Name of Agent**: John  
- **Address**: Busan, South Korea  
- **Tel No.**: +82 34243235

#### (2) Voyage Itinerary

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<th>Name of Port</th>
<th>Arrival Date/Time</th>
<th>Departure Date/Time</th>
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Some Generated Reports of Different nation ports by VSRMS
# Report Submission Requirements for Guangzhou

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<th>Local Agent</th>
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<th>Customs House</th>
<th>Quarantine Inspection Office</th>
<th>Animal and Plant Inspection Office</th>
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Initiatives to Streamline Ship Reporting

- FAL Forms 1-7
- Maritime Single Window
- Electronic Information Exchange
- e-Navigation
Initiatives to Streamline Ship Reporting

- FAL Forms 1-7
- Maritime Single Window
- Electronic Information Exchange
- e-Navigation
Ship Reporting System Description

MANDATORY COASTAL AND DESTINATION SHIP REPORTS
SECURE WEB SERVICES
ON-LINE CATALOG/PORTAL OF WEB SERVICES
HARMONIZED DATA ELEMENTS
MACHINE READABLE REPORTING REQUIREMENTS
ON-BOARD ICT SHIP REPORTING APP
ACKNOWLEDGEMENT OF RECEIPT OF SHIP REPORTS
SUBSCRIPTION TO SHIP REPORT UPDATES
Mandatory Ship Reporting in Coastal Areas
Ship Reporting System Description

- Mandatory Coastal and Destination Ship Reports
- Secure Web Services
- On-Line Catalog/Portal of Web Services
- Harmonized Data Elements
- Machine Readable Reporting Requirements
- On-Board ICT Ship Reporting App
- Acknowledgement of Receipt of Ship Reports
- Subscription to Ship Report Updates
Information Exchange between ship and shore

**Simplified Sequence Diagram**

1. **SHIP**
   - request endpoint URL's
   - receive endpoint URL's

2. **Catalog**
   - request reporting obligations (using URL's)
   - receive reporting obligations & procedures (RO&P)

3. **SHIP**
   - submit Report (using URL's)
   - acknowledge report w/status *2 & voyID

4. **Catalog**
   - update/correct existing report (using URL's & voyID)
   - acknowledge updated report w/status *2 & voyID

5. **SHORE RS*1**
   - distribute report to allied/cooperating VTS/MRS

6. **ALLIED VTS/MRS**

*SHORE Reporting System (MRS/SRS/MSW)*

*Status: OK, ERR, CORR*
Conclusion

Ship Reporting System Implementation Hurdles

1. International Community
   • Harmonization of Reporting Data Elements
   • Host for the web service catalog/portal
   • Maritime Industry Cyber Security Environment

2. Shore-side Stakeholders
   • Government Agencies collaborate to streamline Ship Reporting
   • Implement web services to exchange information with ships
   • Publish Reporting Requirements in the catalog/portal

3. Ship Owners/Operators
   • Invest in ship reporting apps
Fred Pot
Secretary
Ship Reporting Correspondence Group

Questions?