IMP Demonstration Project
Workshop #2 – Rome 11 Nov. 2013

Business Processes at National Level

➡ **Results of the Technical Analysis**

➡ **Proposed way forward for interfaces with national systems**

INTRASOFT INTERNATIONAL

Situation at MS

Situation at MS - Overview

			Supported Functions		Supported Interfaces		
			SSN PortPlus	IMO FAL	Web	XML	SOAP
Bulgaria	National SSN system		Yes	No	Yes	Yes	No
	Authorities' systems	3	Unkown	Unkown	Unkown	Unkown	Unkown
	PCS	1	Unkown	Yes (file format)	Yes	No	No
Greece	National SSN system		Yes	No	Unkown	Yes	No
	Authorities' systems	0	Unkown	Unkown	Unkown	Unkown	Unkown
	PCS	0	Unkown	Unkown	Unkown	Unkown	Unkown
Italy	National SSN system		Yes	No	Unkown	Yes	No
	Authorities' systems	2	Unkown	Yes	Yes	No	Yes
	PCS	4	Unkown	Unkown	Unkown	Unkown	Unkown
Malta	National SSN system		Yes	No	Unkown	Yes	No
	Authorities' systems	2	Unkown	Unkown	Unkown	Unkown	Unkown
	PCS	1	Yes	Yes (partially)	Yes	Yes	Unkown
Romania	National SSN system		Yes	No	Yes	Yes	No
	Authorities' systems	0	No	No	No	No	No
	PCS	1	Unkown	Yes (tentative)	Yes	Yes (tentative)	No

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Situation at Bulgaria

➡ *National SSN system*: **Yes**
Supported system interfaces:
- ✓ **Web** for data entry and consultation of information by the end users.
- ✓ **XML** messages over HTTP/s Internet protocol based on the SSN XMLRG v2.07.

Integration of the arrival and departure notifications: **Yes (VTS)**

➡ *Port Community Systems*: **Port Information Services** under the responsibility of the Bulgarian Ports Infrastructure Company.
Supported functions:
- ✓ Electronic submission of ship's arrival and departure and attachment of auxiliary PDF documents.
- ✓ Processing of digitized paper documents including IMO FAL forms 1 to 7, Security, Health, Waste and Certificate forms.

Supported system interfaces: **Web**
External parties involved: **Unknown**

➡ *Authorities' electronic information systems*:
- ✓ Customs, Boarder Control (Police) & Port of Varna
- ✓ Supported system interfaces: **Unknown**

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Situation at Greece

➡️ **National SSN system: Yes**
Supported system interfaces:
- ✓ **XML** messages over HTTP/s Internet protocol based on the SSN XMLRG v2.07.

Integration of the arrival and departure notifications: Yes

➡️ **Port Community Systems**:
Unknown

➡️ **Authorities' electronic information systems**:
Unknown

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Situation at Italy

➡ *National SSN system*: **Yes**
Supported system interfaces:
- ✓ **XML** messages over HTTP/s Internet protocol based on the SSN XMLRG v2.07.

Integration of the arrival and departure notifications: Yes

➡ Port Community Systems: **4 PCS** systems reported

➡ *Authorities' electronic information systems*:
Customs: **AIDA** (Automazione Integrata Dogane Accise) system
Supported functions:
- ✓ Electronic customs clearance of export and transit operations at the trader's premises.
- ✓ Electronic lodgment of Cargo Manifests.
- ✓ Electronic lodgment of declarations of final importation and exportation, temporary importation and exportation, transit, entry for warehousing.

Supported system interfaces:
- ✓ **SOAP** messages over HTTP/s Authorities involved: **Ministry of Health**

External parties involved: Traders, Companies and business associations, consumers, Government bodies etc.

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Situation at Malta

➡️ *National SSN system:* **Yes**
Supported system interfaces:
- ✓ **XML** messages over HTTP/s Internet protocol based on the SSN XMLRG v2.07.

Integration of the arrival and departure notifications: Yes (VTS)

➡️ *Port Community Systems:* **Portnet**
Supported functions:
- ✓ Electronic submission of ship's arrival and departure, Hazmat and Waste
- ✓ Electronic submission of DPG and DPG list of items (note: DG classification is not reported).
- ✓ Electronic submission of Waste.

Supported system interfaces:
- ✓ **Web** for data entry and consultation of information by the end users.
- ✓ **XML** messages over HTTP/s Internet protocol based on the SSN XMLRG v2.07 to transmit data to the National System.

External parties involved: **Shipping Agents.**

➡️ *Authorities' electronic information systems:* **(paper based)**
- ✓ Customs;
- ✓ Boarder Control (Police Administration).

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Situation at Romania

➡ *National SSN system:* **Yes**
Supported system interfaces:
- ✓ **Web** for data entry and consultation of information by the end users.
- ✓ **XML** messages over HTTP/s Internet protocol based on the SSN XMLRG v2.07.

Integration of the arrival and departure notifications: Yes

➡ *Port Community Systems (under construction):* **MPAC**, an integrated system for port community under the responsibility of the National Company Maritime Ports Administration SA Constanta.
Supported functions:
- ✓ Management of maritime and river traffic (ships, arrivals, maneuvers, departures);
- ✓ Cargo traffic;
- ✓ Port events.

Supported system interfaces:
- ✓ **Web**
- ✓ (tentative) **XML** messages over HTTP/s Internet protocol
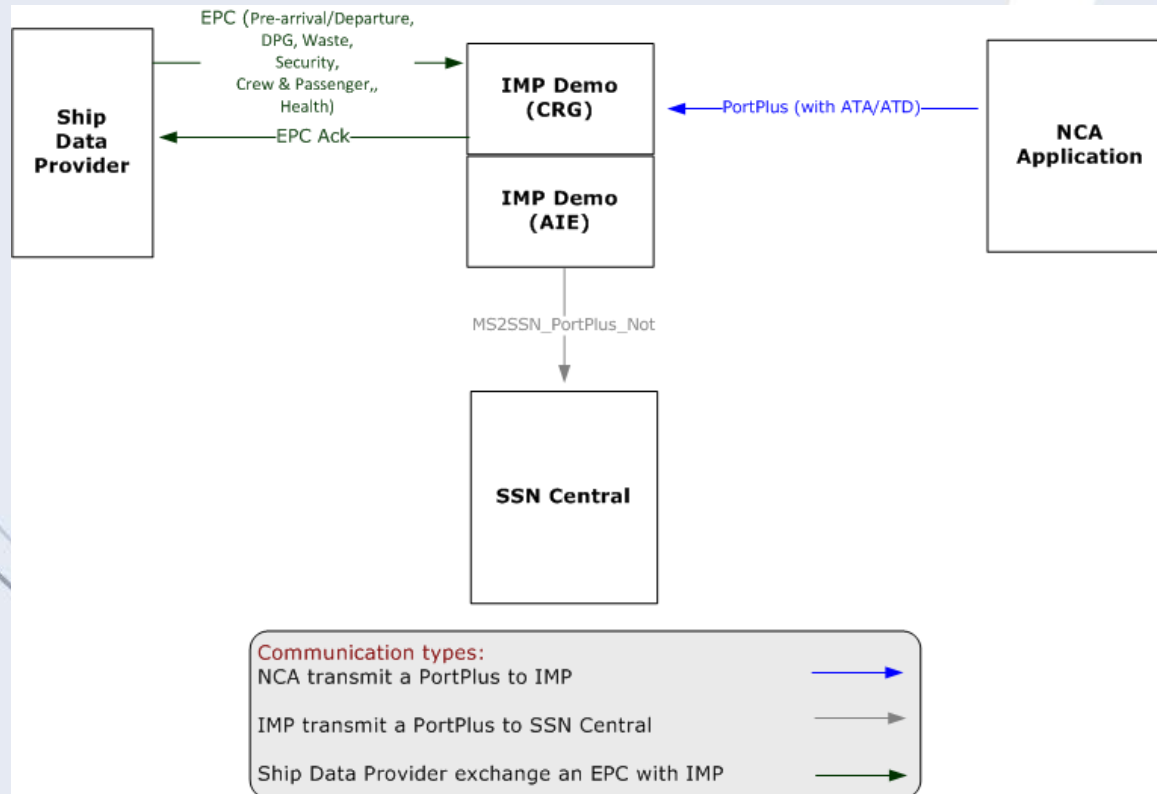
External parties involved: **Unknown**

➡ *Authorities' electronic information systems:* **None**

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Information exchange scenarios with the IMP

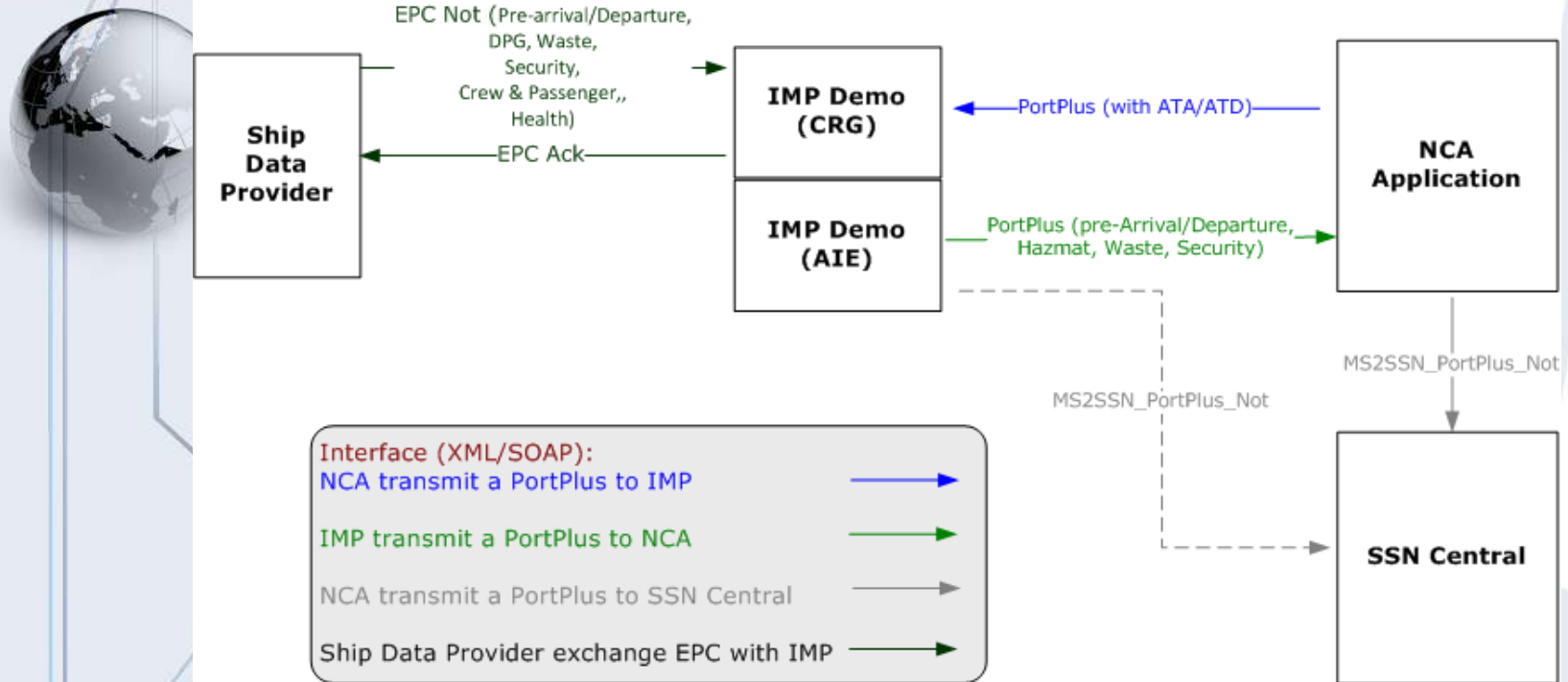# Integration with National SSN System ("NCA application")

NCA ↔ IMP: XML messages over HTTP/s. MS2SSN_PortPlus_Not to report Arrival (ATA) and/or Departure (ATD) information.

IMP ↔ SSN Central: XML messages over HTTP/s. Revamped MS2SSN_PortPlus_Not.

Ship Data Provider ↔ IMP: XML/SOAP messages over HTTP/s.
EPC Not (Pre-arrival/Departure, DPG, Waste, Security, Crew & Passenger, Health)
EPC Acknowledgement

Integration with National SSN System ("NCA application")

NCA ↔ IMP: XML messages over HTTP/s. MS2SSN_PortPlus_Not to report Arrival (ATA) and/or Departure (ATD) information.

IMP ↔ NCA: XML messages over HTTP/s. Revamped MS2SSN_PortPlus_Not to report pre-arrival, departure, hazmat (DPG), Waste and/or Security information.
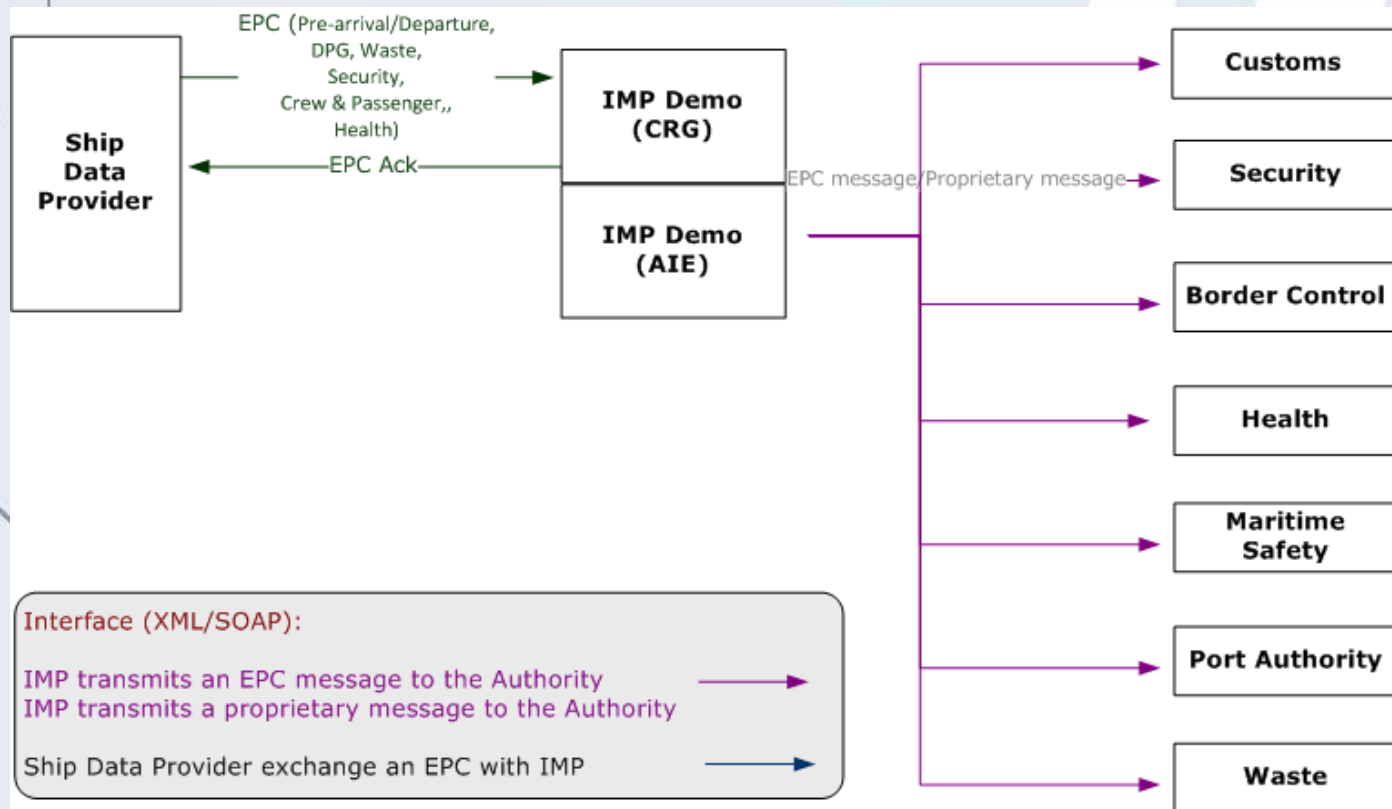
NCA ↔ SSN Central: XML messages over HTTP/s. MS2SSN_PortPlus_Not. Alternatively the PortPlus can be send by the IMP.

Ship Data Provider ↔ IMP: XML/SOAP messages over HTTP/s.
EPC Not (Pre-arrival/Departure, DPG, Waste, Security, Crew & Passenger, Health)
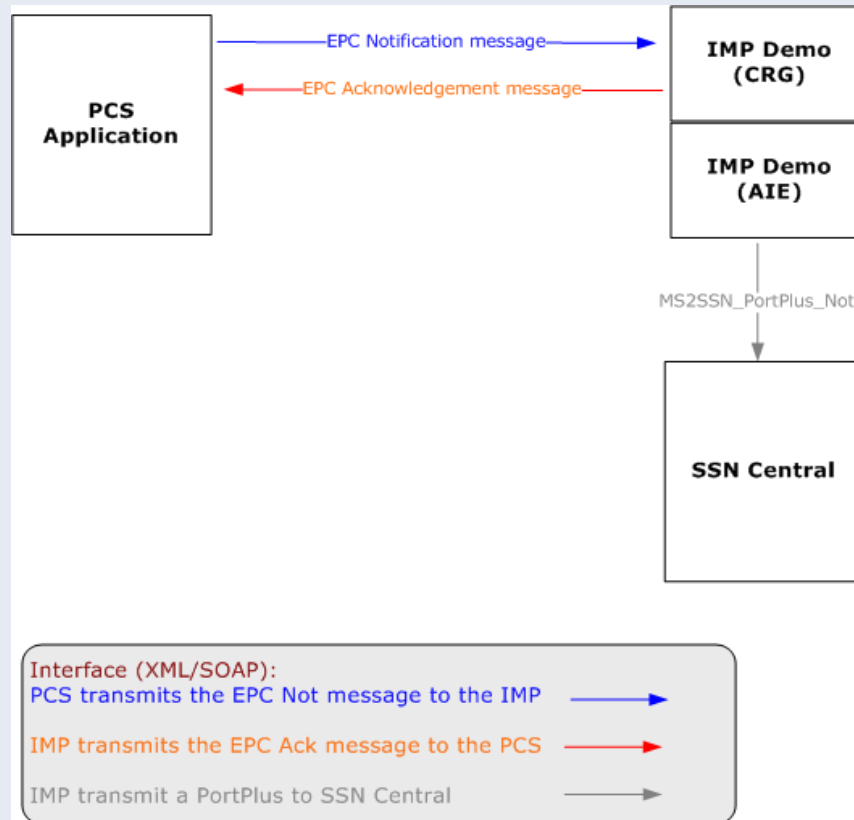EPC Acknowledgement

Integration with Authorities systems

IMP (AIE) ↔ Authorities: SOAP 1.2 messages over HTTP/s.
EPC notification message based on ISO28005 or Proprietary messages (XML/SOAP).

Ship Data Provider ↔ IMP: XML/SOAP messages over HTTP/s.
EPC Not (Pre-arrival/Departure, DPG, Waste, Security, Crew & Passenger, Health)
EPC Acknowledgement

Integration with Port Community Systems (PCS)

PCS is acting as the entry point.
PCS ↔ IMP: SOAP 1.2 messages over HTTP/s.
EPC Notification message, EPC Acknowledgement messages based on ISO28005.

IMP ↔ SSN Central: SOAP 1.2 messages over HTTP/s. Revamped MS2SSN_PortPlus_Not.

Thank you for your attention