



SHORTSEA XML

A series of

Standardised Messages for Door-to-door Shortsea Based Logistics Chains

Based on UN/CEFACTS standards – ebXML and Core Components:

7.th July 2008.

Arild Haraldsen, CEO NorStella





Agenda

- NorStella
- Project organisation
- Issue of interoperability
- Use of UN/CEFACT Core Components
- Project deliverables





NorStella

- Non profit Foundation
- **Objectives**
The main objective of NorStella is to contribute to effectiveness and efficiency in public and private undertakings, by promoting
- rational and simplified processes and procedures in national and international trade, in the private as well as the public sector and between private companies and public administrations
- reliable and efficient implementation and profitable use of standardized data interchange between organizations
- Because of its independent position in the market, with no links to any particular sector or industry, NorStella is able to serve all kinds of businesses and actors in the market, thus contributing to the establishment of cross sectoral solutions based

SHORT SEA
XML

< **making it simple** / >

MESSAGE STANDARD FOR SHORT SEA SHIPPING



What is Shortsea XML?

- EU sponsored project
- Marco Polo – aim to shift freight from road to sea
- Project period:
September 2006 – September 2008
- Includes door to door operations
- Total budget 1.800 000 Euro
(50% EU 50 % participants)





Project organisation

- Lead Partner and project manager- NorStella
- Standardisation SMDG – Henk van Maren (TBG 3)
- Implementation – Hans Kristian Haram
- Promotion – Per Bruun-Lie and Navigate/Mike Elsom

- Advisory Board
 - Samskip
 - Port of Rotterdam
 - SMDG
 - Softship
 - Norwegian Coastal Administration
 - NorStella
 - Kingfisher Group
 - **ETLI – European Transport Logistic Institute**



Shortsea XML – Participants



- **IT – Vendors**

- **Shippers, transport buyers**

- **Lines**

- **SPC – Shortsea Promotion Center**

- **Standardisation organisations**

- **Ports**

- **Authorities**

Borregård

ChainLab

Colorline Cargo

Containerships

Copas

DFDS Lysline

Navigate PR

NCL - North Sea Container
Line

Norske Skog

NorStella

Norwegian Coastal
Directorate

Port infolink

Portnet

Sea and Water

Sea-Cargo

Seagha

SMDG

Softship

SPC Finland

SPC France

SPC Netherlands

SPC Norway

TakeCargo

TM Technology
Management

viaMichelin

Risavika Port

Port Autonome du Havre

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MESSAGE STANDARD FOR SHORT SEA SHIPPING

**SHORT SEA
XML**



Project aim

**Streamline the administrative
information processes within a
shortsea based
logistics chain**

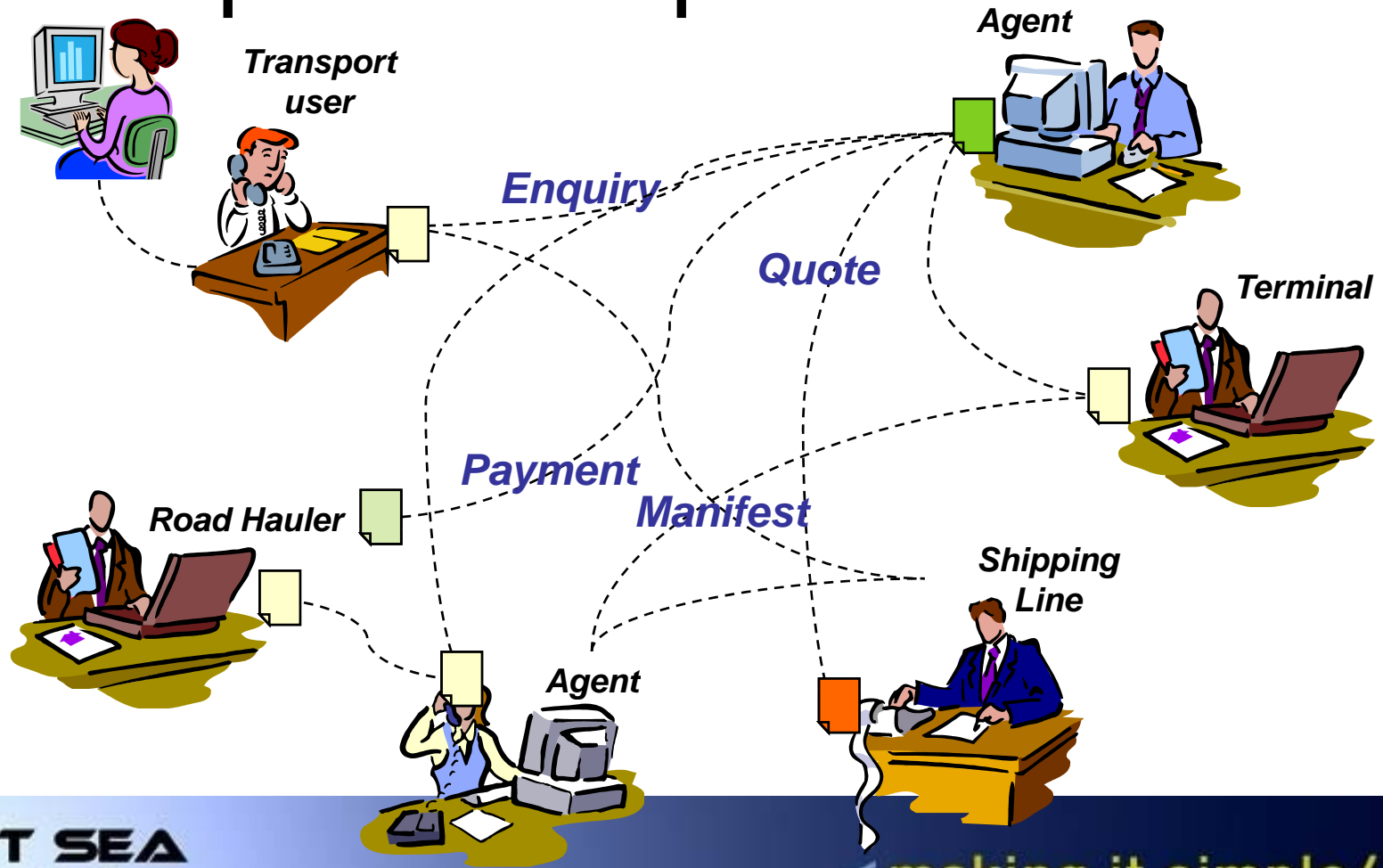
Not a research project

Not an IT project





Complex transport chains



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XML**

<making it simple/>

MESSAGE STANDARD FOR SHORT SEA SHIPPING



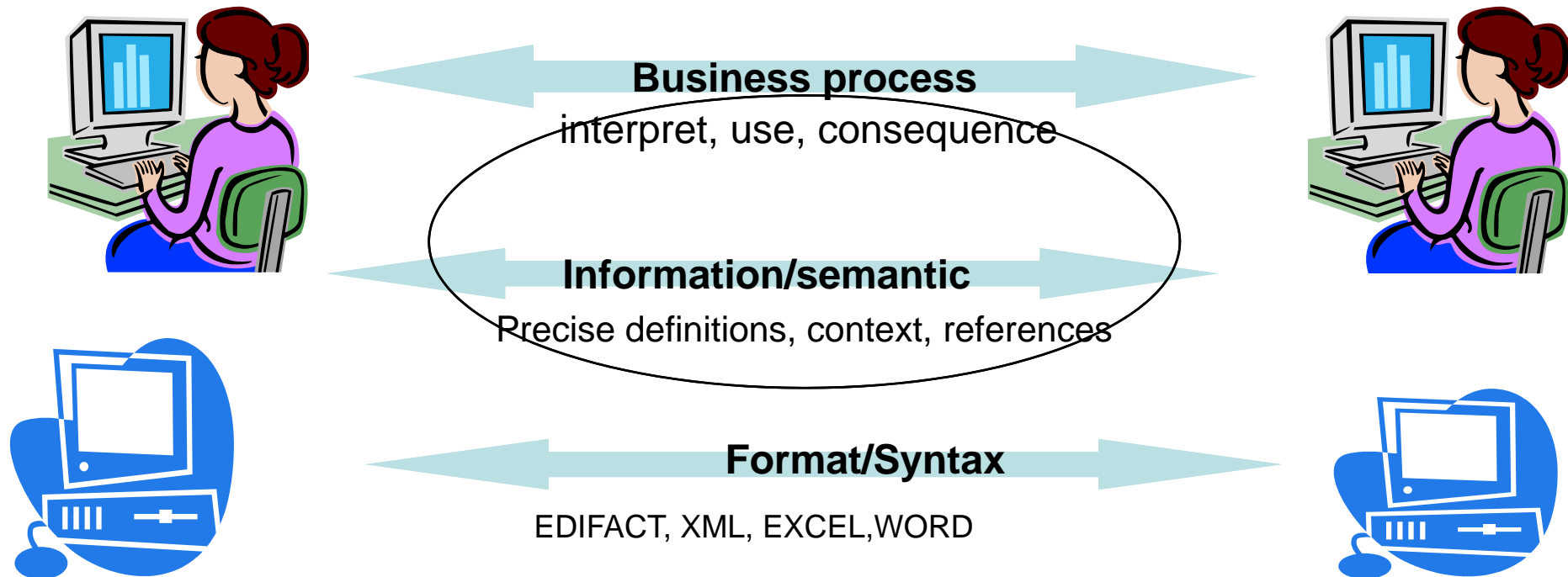
The issue

- Shortsea logistics chain is complex (and uncompetitive?)
- Administrative burden (20-30%)
- Increasing reporting requirements by authorities
- Manual routines and procedures
- Little business or semantic interoperability





Interoperability



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XML**

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Semantic interoperability can be solved by



- Common, simple and open standards
- Efficient processes
- Easier integration
- Simplify business processes
- Standardised XML messages
- Standardised business process and context descriptions



Standardised messages



- Procedures and routines of UN/CEFACT
- Use of UN/CEFACT Core Component
- UMM / UML
- ebXML



UN/CEFACT

SIMPLE, TRANSPARENT AND EFFECTIVE PROCESSES
FOR GLOBAL BUSINESS

**All Shortsea XML messages will
be approved by the UN**

**SHORT SEA
XML**

< making it simple / >

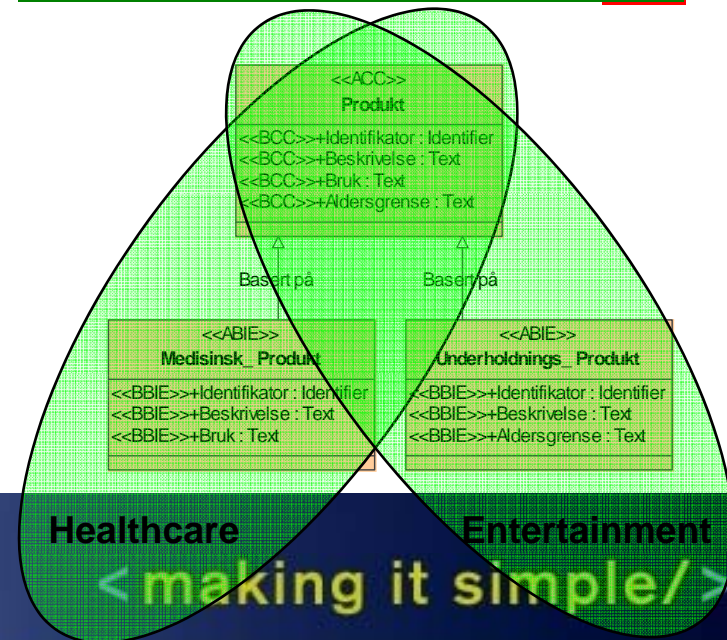
MESSAGE STANDARD FOR SHORT SEA SHIPPING



Core Components

- ... are reusable components that can be applied in a standard way within a business context.
- ... represents the business objects of e-business
- ... are defined using items that are common across businesses
- ... enables users to define information that is meaningful to their business while also continuing to maintain interoperability with other business applications

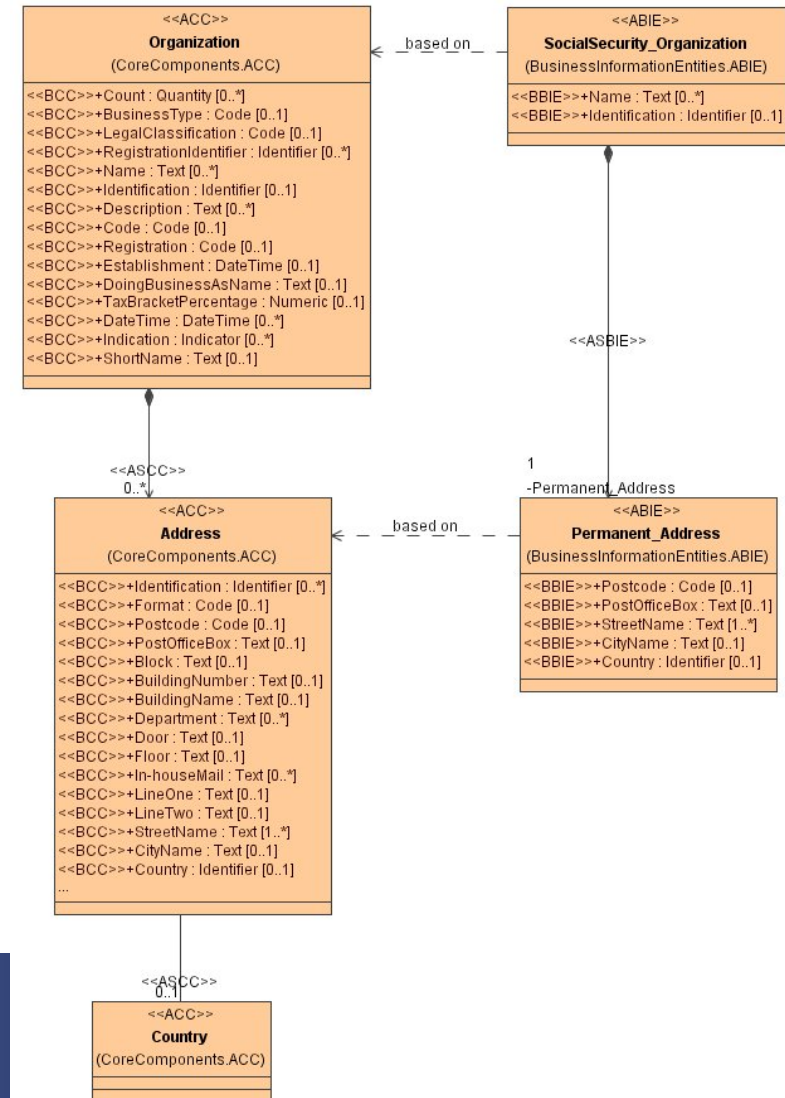
	Transport	Retail	Telecom	Energy	Social Security
Consignment	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>			
Product	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Organisation	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Address	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>





BIE = CC in Context

- **Core Component (CC)**
 - generic building block
 - unique semantic definition and content
- **Business Information Entity (BIE)**
 - specific building block for use within a given business context
 - sub-set (based on) a Core Component
- **Business Context** defined through a set of context drivers
 - Business process
 - Product classification
 - Geopolitical region
 - Official constraint
 - Business process role
 - Supporting role
 - System capabilities



UN/CEFACT Core Component



CCL07A-working CC; 18MAR - Windows Internet Explorer

file:///D:/UNCEFACT/html/ccl/031.htm?D:/UNCEFACT/html/ccl/033.htm

CCL07A-working CC; 18MAR

M CCL07A-working CC; 18MAR

- C Accounting Account. Details
- C **Address. Details**
- C Adjustment. Details
- C Allowance Charge. Details
- C Assignment. Details
- C Bill Of Quantities. Details
- C Building. Details
- C Business Profile. Details
- C Business Type. Details
- C Calculation. Details
- C Communication. Details
- C Completed Work. Details
- C Complex Description. Details
- C Construction Type. Details
- C Contact. Details
- C Contract Award Notice. Details
- C Contract. Details
- C Country Sub-Division. Details
- C Country. Details
- C Currency Exchange. Details
- C Deliverable. Details
- C Delivery Terms. Details
- C Delivery. Details
- C Dimension. Details
- C Document. Details
- C Event. Details
- C Examination Result. Details
- C Facility. Details
- C Factory. Details
- C Feature. Details
- C Financial Account. Details
- C Financial Card. Details
- C Financial Institution. Details
- C Geographical Coordinate. Details
- C Guarantee. Details
- C Identity. Details
- C Instructions. Details
- C Location. Details
- C Metrics. Details
- C Monetary Summation. Details
- C Note. Details
- C Organization. Details
- C Party. Details
- C Payment Means. Details

UN CEFACT CCL 06B
Model name: CCL07A-working CC

[Start] [BIE] [CCL ACC] [qDT] Go back

ACC **Address. Details**

Address. Details

- 0..1 Address. Country Identification. Country
- 0..* Address. Country Identification. Country Sub-Division
- 0..* Address. Geo-Coordinate Identification. Geographical Coordinate
- 0..1 Address. Usage. Preference

Address. Identification. Identifier
Address. Format. Code
Address. Postcode. Code
Address. Post Office Box. Text
Address. Block Name. Text
Address. Building Number. Text
Address. Building Name. Text
Address. Room Identification. Text
Address. Department Name. Text
Address. Floor Identification. Text
Address. In-house Mail. Text
Address. Line One. Text
Address. Line Two. Text
Address. Line Three. Text
Address. Line Four. Text
Address. Line Five. Text
Address. Plot Identification. Text
Address. Street Name. Text
Address. City Name. Text
Address. Attention Of. Text
Address. Care Of. Text
Address. Country. Identifier
Address. Type. Code
Address. City Sub-Division Name. Text
Address. Country Name. Text
Address. Country Sub-Division. Identifier
Address. Country Sub-Division Name. Text
Address. Description. Text

Documentation

Identifier	UN00000010
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Technical Properties

Type	
Length	
Fixed / Default	
FractionDigits / TotalDigits	
Inclusive	
Exclusive	
Pattern	
Whitespace	

Min datamaskin 100 %

Start Innboks - Micr... 4 Internet E... 5 Windows ... Microsoft Excel 5 Microsoft ... 2 Microsoft ... NC 10:41



Project deliverables

- Documented standardised XML-messages
 - Booking, Scheduling, Operation and Invoicing
- Implementation – proof of concept
- Promotion
- Coordination with other projects; MarNis, FREIGHTWISE, ARKTRANS, Moses, SafeSeaNet





Benefits

- Simplify and streamline administrative processes
- Reduce administrative errors
- Improve transparency
- Improve customer service
- Save man hours and free-up staff



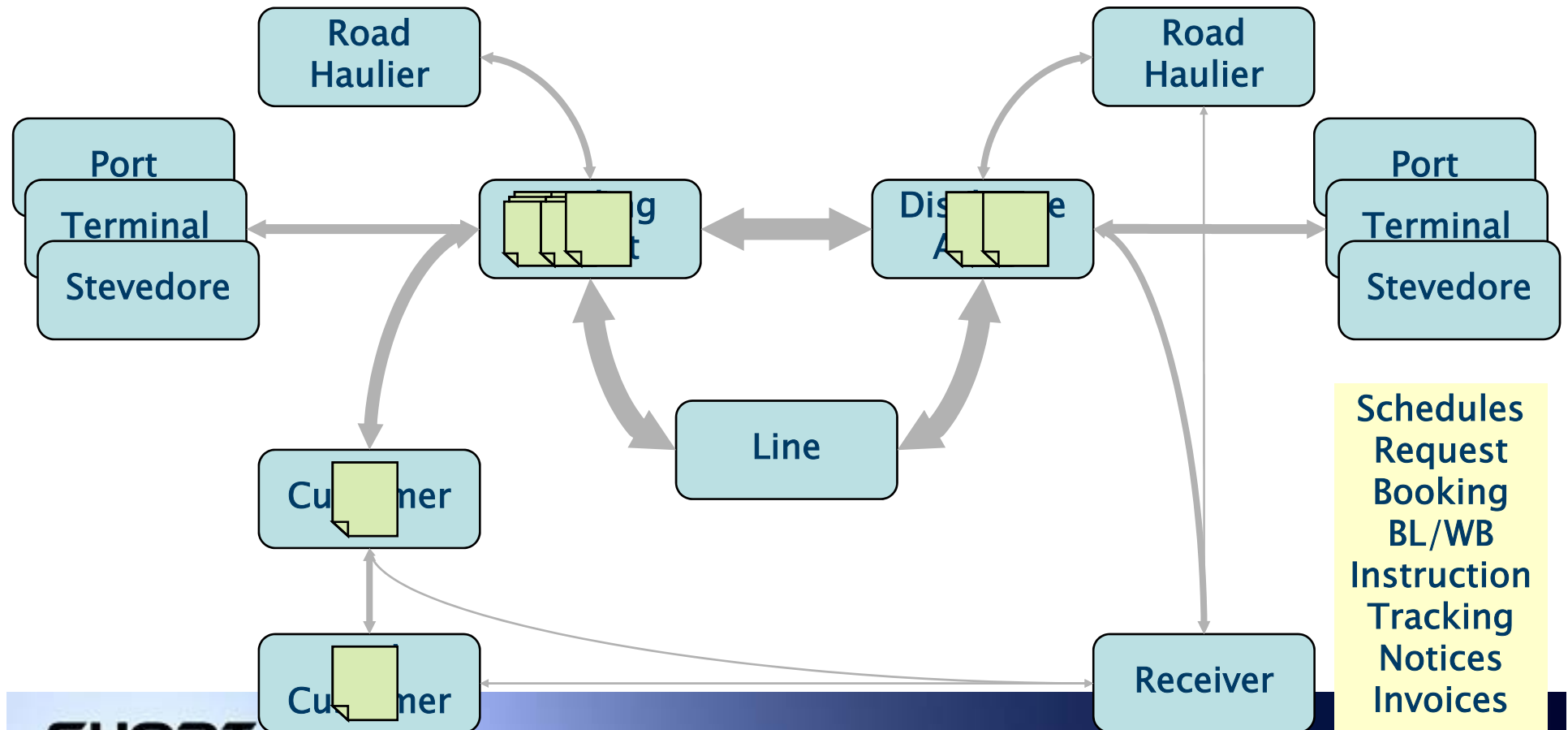


Type of business





Shortsea Process Integration



- Schedules
- Request
- Booking
- BL/WB
- Instruction
- Tracking
- Notices
- Invoices

Aims of promotional activity



- Create awareness of the Shortsea XML project within the European shippers, logistic, transport and shortsea sectors.
- To secure a rapid and wide adoption of the Shortsea XML standard throughout the European shortsea community.
- Based on a sufficient number and variety of reference implementation cases.



Promotion



- European and national coverage
- Wide audience
- Maintaining the message
- Press releases & articles
- Training and seminars



SHORTSEA LOGISTICS

Shortsea XML is an EU-funded technology project that aims to reduce the paperwork involved in shortsea logistics chains, reducing costs and encouraging shippers to switch cargoes from road to maritime transport

Streamlining shortsea logistics

EU shortsea campaign on target

AS INTERSTATE MARINE (IM) CEO Mark Russell says, the project is on target to meet its objectives. The goal is to see a 10% increase in shortsea cargo volume by 2010, with a 20% increase in shortsea cargo volume by 2015. The project is on target to meet its objectives. The goal is to see a 10% increase in shortsea cargo volume by 2010, with a 20% increase in shortsea cargo volume by 2015.

"With Member State governments all working to increase shortsea cargo volume, the project is on target to meet its objectives. The goal is to see a 10% increase in shortsea cargo volume by 2010, with a 20% increase in shortsea cargo volume by 2015."

Logistics & Ports appears every Monday, edited by Roger Haining. rogerhaining@shortsea.com 012 077 4374

Russell is fully aware that Europe's programme, its central aim is to make shortsea liner shipping more attractive to technologies. In other words, each player in the supply chain has its own way of

Digital Ship

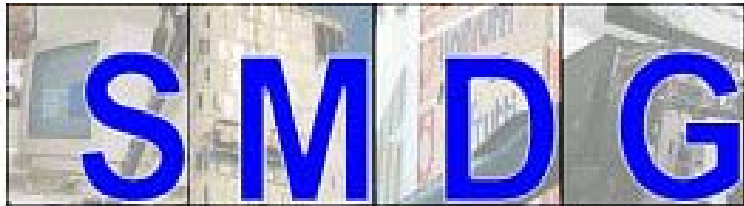


< making MESSAGE STANDARD FOR SHORT SEA SHIPPING



Ongoing activity

- Project ends in September 2008
- Standards will be maintained by SMDG
- SMDG is user group for lines & terminals



USER GROUP FOR SHIPPING LINES AND CONTAINER TERMINALS





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