



Electronic Management and Security of International Multimodal Freight

**19th eBSN workshop
“Sector specific policies and cross-sectorial
processes for eBusiness for SMEs”**

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- Project supported by the French Ministry of Industry – DGE General Directorate for Entreprises within the program ICT SME's 2010
- Call for tender October 2005 – budget 8 Millions €uros
- About 20 sectorial projects approved covering all business sectors including GESFIM

Main actors



Project Leader:

TLF – Transport et Logistique de France – French Freight Forwarders Association - representing all the operators in the international multimodal supply chain

Partners :

Sage (Consulting, Software provider), AD'MISSIONS (Consulting) and CRCI Nord Pas-de-Calais (Chamber of Commerce and Industry)



Common Objectives

Provide to SME's of the Transport & Logistics sector in relation with their customers from all sectors, operational tools and eBusiness standardised reference models for efficient and seamless electronic exchanges of informations in an international and multimodal context.

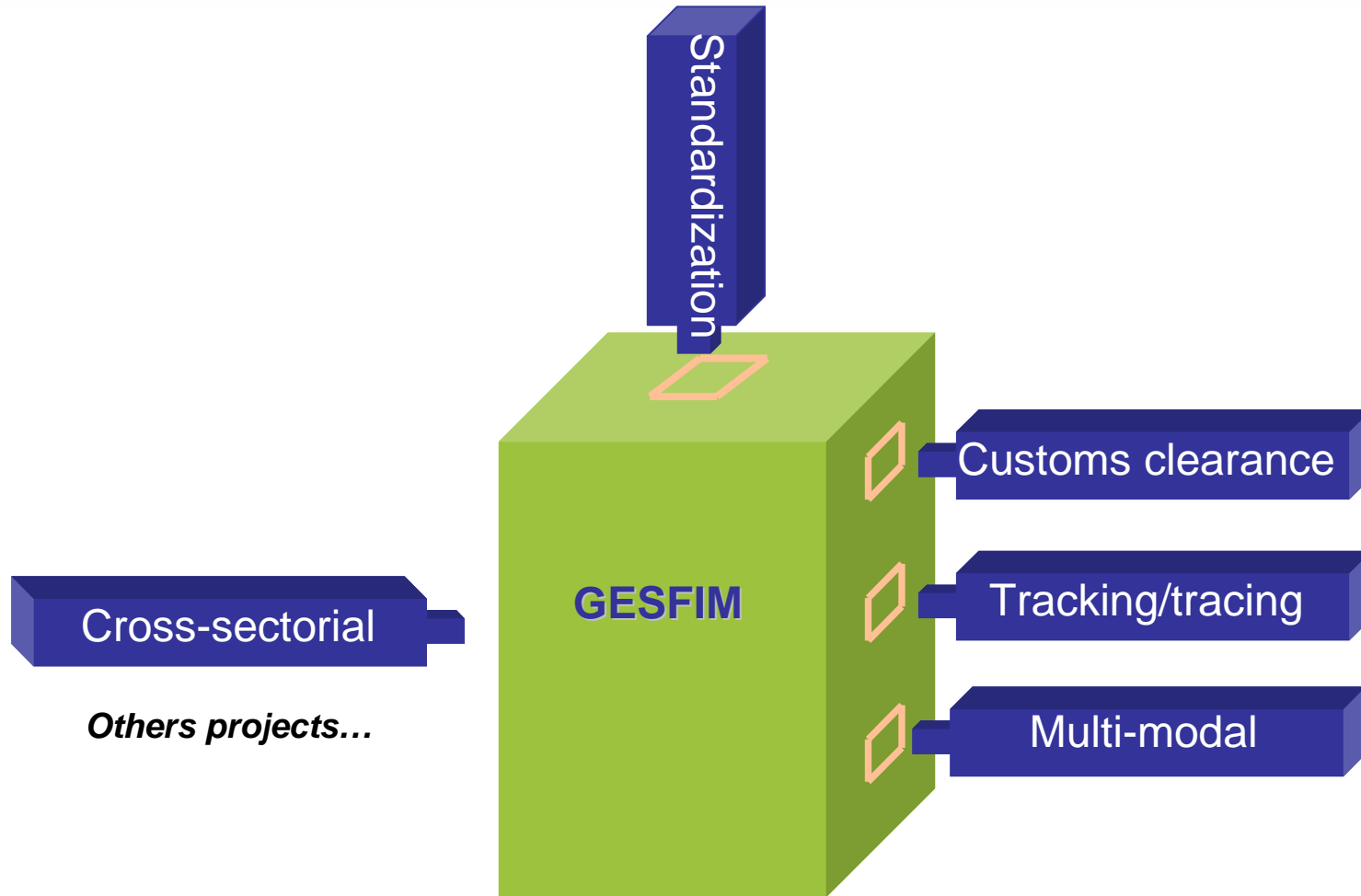
This covers transport, logistics, customs and other governmental agencies requirements with a strong emphasis on tracking/tracing, security of freight and intersectorial applications.

3 Main complementary axis

Project A : Paperless and secure Customs transactions (Import, Export, Transit) and managing flows of physical goods and informations in international trade – Interface with the new Customs system DELTA (*Dédouanement en Ligne par Transactions Automatisées*)

Project B : Tracking / tracing and security of transported goods

Project C : Optimal insertion of road transport in the systems of the industrial and commercial clients sectors



The 6 driving forces of the project

- ▶ Standardisation
- ▶ Paperless (complying with current regulations)
- ▶ Cross-sectorial processes
- ▶ Sharing IS ressources
- ▶ Interoperability
- ▶ Security and Safety
- ▶ Diffusion, deployment & change management

Standardisation (benefits and contribution)

● CEFACT United Nations and OASIS/UBL (TBG3 Transport / Logistics)

- InterEnterprises B2B exchanges: modeling processes, flows and business data, standardised exchange formats (XML, EDIFACT..)
- eBusiness Reference Model: « Best practices », implementation user manuals (ITIGG - International Transport Implementation Guidelines Group)
- Harmonization with Customs: TBG4, WCO/OMD World Customs Organisation, TAXUD Europe...

● ISO / CEN Standardization Transport

- TC204 Intelligent Transport Systems: security intermodal freight, transport of dangerous goods, real time tracking of transported goods with RFID, on board computing and mobile communication with vehicles
- TC 104 Containers: identification, electronic seals RFID
- TC 8 Maritime / Port : Security International Supply Chain, Paperless procedures « Electronic Port Clearance »

Standardization and Regulations

- **Directives regarding Security of International Freight**

- Maritime: ISPS - International Ship and Port Facility Security, CSI - Containers Security Initiative – European Union regulation CE n° 725/2004...
- Air Cargo: regulation CE n°2320/2002
- Customs European Directive n°648/2005
- WCO Strategy: document SAFE «Framework of Standards to Secure and Facilitate Global Trade », UCR Unique Consignment Reference, « Single Window » UN recommendations n°33, 34
- AEO status: Authorized Economic Operator – regulation n°1875/2006

Standardization and Regulations

GESFIM brings into the program ICT SME's 2010 a unique expertise and know-how in B2B standardization for Transport/Logistics and Customs / Security regulations

It accompanies change management and migration to modern ICT systems to improve the competitiveness of SME's: training, e-learning, documentation, recommendations, user guides, legal impact studies....

It provides diffusion of project results and deployment within the business sector.

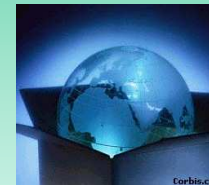
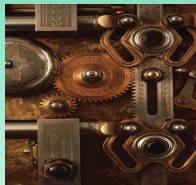
the customs in the supply chain

Exporters and
fabriquants of
any sectors

Logisticians
Operator of transport
Customs
Carriers

customers of
any sectors

Traceability of global logistics



Project deliverables: Phase 1

● Project A :

- Preliminary studies: analysis of the specifications of the new DELTA system for Customs versus the UN/CEFACT international standards
- Functional specifications for the core project A interfacing with DELTA
- e-Business Reference Model: processes, information flows and data for Transport / Logistics / Customs applying the UML/UMM modeling methodology of UN/CEFACT

● Projects B & C

- Capture and analyze the Users Requirements of SME's Shippers and Carriers including the needs for tracking/tracing of transported goods
- Functional requirements regarding tracking services and supply chain management for SME's

Project deliverables Phase 2

- Extend Functional Requirements to freight Security aspects: AEO Authorized Economic Operator.....
- User Implementation Guidelines:
 - Based on the eBusiness Reference Model Phase 1
 - Built from the UN/CEFACT UNeDocs SHIP BIM (Business Information Master)
 - Including a mapping correspondance list between the Customs proprietary data and the standardized UN/CEFACT Core Components, EDIFACT codes lists....
- Define business cases to perform acceptance testing of the system
- Next and last project phase 3: completion end 2008 / 2009
 - Implementation, dissemination
 - Training SME's
 - Impact studies

Thanks for your attention



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