

Workshop on „Logistic and Supply Chain Security“



**IMprove the supply chain for COntainer transport
and integrated SECurity simultaneously**

Markus Podbregar

TSB Innovation Agency Berlin
Department of Transport and Mobility (FAV)

Brussels, 31st January 2012



Co-funded by the EC, FP7-SEC-2009-1

- **Additional requirements** for global trade e.g. 100% monitoring and SAFE framework will put additional burden on logistics
- Facilitation of (customs) procedures for AEO not realized
- Numerous **research projects** to foster solutions, with predominant focus on developing and testing new security technologies
- Most developments are ruled by **technology providers, ports or forwarders** thus focusing not at the practicability for logistics business
- **Fragmentation** of logistics is disregarded
- **Competition** of markets and economies
- Missing **feasibility on global scale** (e.g. due to concept, data sharing and RoI)
- Results: **Solutions** - if at all, only practicable for specific cargo types and niches
- Lack of **acceptance**
- Stakeholders only accept **standardised** solutions

Supply chain security as a pillar for securing (European) business

- User (Industry) perspective → Focusing on the threats for business processes
- Develop **resilience** against political, strategic, economic and environmental threats
- Achieve and Guarantee
 - **flexible,**
 - **unharmmed,**
 - **cost-effective** and
 - **reliable**transport of goods
- Consider **sovereignty** and control on data

Scope of demonstration initiative

Focus on resilience of business processes

- **Address risks adequately** and ensure products are securely and reliably delivered

➔ Consider the **most relevant cargo types from end-to-end:**

Normal cargo treated as efficient as possible

JIT cargo treated as reliable as possible

High value cargo treated as secure as needed

Sensible cargo treated as secure as needed/ as possible

Objectives

- Test and verify that securing business is the cornerstone to achieve **security by design and acceptance**
- Define **adequate measures** for securing business achieving a new operational dimension (costs, performance, practicability, acceptance)
- Define **performance standards** and requirements for measures
- Assess and **evaluate** the costs and benefits of measures
- **Validation** of the concept on a global scale and across different types of stakeholders
- Create **options** considering global players and SMEs, which shall have the ability to chose from different suitable measures

What should be demonstrated?

According to cargo types and gaps develop different sets for:

1. **Security awareness and building a security culture:** define and agree a minimum level of security awareness and a minimum set of actions for broad application
2. **Information/data security and means of identification of all elements in the supply chain:**
 - Provide the right information on transport/content to whom and when it is needed to detect and prevent threats and recover from disruptions. But concepts have to provide security and dedicated sovereignty of the data at all times
 - Protect data on supply chain / transport / content
 - Support authentication
3. **Integration of processes, assignment of security responsibilities and stakeholder interaction:** reach an increased overall level of security by integrating the security requirements in a joint approach of cooperating stakeholders without disrupting logistics process flows

Key elements of Demonstration (3)

By whom?

- Focus on **Consignors, Consignees** and Logistic Service Providers (LSPs) and their trade lanes
- Involve Public Authorities for compliancy issues and facilitation
- Involvement of **US partners** and emerging economies is necessary for supporting acceptance and international agreements
- Involvement of relevant associations for broad exploitation

Thank you very much!!

The Roadmap:

www.imcosec.eu

Contact:

TSB Innovationsagentur Berlin
Bereich Verkehr und Mobilität
Markus Podbregar
Fasanenstr. 85
10623 Berlin



Phone: +4930 46302-579

Office: +4930 46302-563

E-Mail: podbregar@tsb-berlin.de

Web: www.fav.de