Secure Trade Lane

Supply Chain Security

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Upcoming security rules as well optimization of daily operations force shippers, buyers, freight forwarders, carriers, port operators, and customs to undertake aligned actions.

**Law/rule compliance challenges**

(DHS, WCO, IMO, EU: Ensure and prove that only things which are supposed to be in the container are in it)

**Daily business challenges**

(ensure trade facilitation by developing common process standards and higher productivity)
To improve on supply chain security, an innovative and open solution will emerge, providing support to all relevant stakeholders.
IBM is currently developing such a solution, including a tamper resistant intelligent device, and a secure (but open!) backend.

(*) TREC= Tamper-Resistant Embedded Controller
The Secure Trade Lane Backend provides a set of business services crucial for improving supply chain security and visibility.

Primary business services:

- **Container Information Services**: Secure means for exchanging container-related data between trading parties.
- **Container Tracking Services**: Near-time and retrospective tracking of container location and environmental conditions.
- **Supply Chain Process Services**: Business Process Integration based on a Service Oriented Architecture. Document exchange between trading partners based on open standards (e.g. WCO Framework, XML and EDI standards,…)

Secondary business services:

- **Container Loading Services**: Handheld and RFID-based support to determine container content.
- **Custody Management Services**: Keeps track of organizations and individuals in custody of the container.
Thank you

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