

**EU Framework Programme 7**  
**Topic SEC-2009.1.1.1 Logistic and Supply Chain Security**  
**Project IMCOSEC (Integrated approach to IMprove the supply chain for**  
**COntainer transport and integrated SEcURITY simultaneously)**

CBRNE Ltd was Work Package 2 Leader identifying “Security Threats to the Supply Chain” with consortium members Studiengesellschaft für den Kombinierten Verkehr (SGKV) and the Institute of Shipping Economics and Logistics (ISL).

WP2 was split into 4 interdependent tasks. In Task 2.1 ISL lead by providing information on processes, procedures and technologies which fed to Task 2.2 which identified security threats and weak points along the supply chain of intermodal units via a Resilience Matrix which formed Task 2.2.

One of the lessons learnt during the research process was the complexity of the supply chain industry with numerous stakeholders complicated by their independence from each other. The approach of CBRNE Ltd was to examine what arrangements are in place within an organisation for dealing with specific threats and to examine cross-cutting arrangements like those for training and staff management.

A feature of the tool is its ability to take into account inter-dependencies and interactions between arrangements for distinct threats e.g. there are links between an organisation’s response to terrorism and its response to crime more generally.

A second feature is the inter- dependency between arrangements for dealing with threats and cross cutting arrangements, for example between arrangements for training staff to deal with terrorism and arrangements for training more generally.

Furthermore, the Matrix allows for the application of ‘weightings’ or ‘importances’ to Threats. There are proprietary algorithms that allow for the calculation of overall ratings for resilience taking into account the dependencies and weightings.

For the purposes of the IMCOSEC project it was clearly necessary to adjust the Matrix approach to represent Security rather than Resilience and to allow for differences in dependencies, but in essence a similar approach was taken.

Running concurrently was Task 2.3 being a public workshop led by SGKV and hosted by CBRNE Ltd in London in June 2010 and Task 2.4 looked at potential counter measures to address the threats posed to the security of the supply chain.

Nigel Hale (Tech Director for CBRNE Ltd) played a key role in this work package.

Project duration was 1<sup>st</sup> April 2010 to 31<sup>st</sup> March 2011

The financial contribution to the project by the European Union was €930,718.

Project IMCOSEC Website: [www.imcosec.eu](http://www.imcosec.eu)

Photos of some of the participants: [www.cbrneltd.com/documents/imcosec-photos.pdf](http://www.cbrneltd.com/documents/imcosec-photos.pdf)