8. ATT Conference

Role of industry in Post Shipment Controls

Geneva, 22nd August 2022
Usual schedule for the procurement of short range anti-tank rockets
Requirements of customers, authorities, organizations

Marking of weapons due to political, military or logistical requirements

- Granting a machine-readable identification for all logistical processes
- Ensuring a continuous, transparent flow of information and goods
- Preventing, eradicating illicit trafficking in small arms and light weapons (SALW) and related ammunition

Political principles of the federal government for the export of war weapons

- Labeling & serialization of materials
- ATT/ SALW/ ITI (Action program of the UN and the state governments)
- Post-Shipment Control

Bundesministerium für Wirtschaft und Energie
Bundesamt für Wirtschaft und Ausführkontrolle
Media and public demands

German TV – November 2011:

„How did hundreds of weapons from the German manufacturer Heckler & Koch get to Tripolis?“

Gaddafi-Sohn auf Waffeneinkaufstour in Deutschland? Hat die Rüstungskontrolle versagt?

Der Aufstand in Libyen ist zwar beendet, aber eine Frage ist noch immer nicht geklärt: Wie kamen hunderte Waffen der deutschen Rüstungsschmiede Heckler & Koch nach Tripolis.
Overview of marking technologies

Data Matrix-Code

UHF-RFID (passive)

Forensic Marking

Post-shipment control, weapon storage and administration

Post-Mortem Analysis
System PSC App

Mobile handheld computer with DND PSC App

SCAN RFID

UHF-RFID

SCAN DATAMATRIX

DMC

INVENTORY
Forensic Marking

Requirements

- Traceability of found weapons
- Tamper-proof integration
- Externally not visible
- Minor intervention in the production process
- Can be visualized in the X-ray image
Summary - Overview of marking technologies

DMC (Data Matrix-Code)
  - On transport box

UHF-RFID (passive)
  - In Firing device

Laser marking
  Implemented in launch tube

DMC Scanner
RFID Reader
X-Ray Device

Post-shipment control, weapon storage and administration
Post-Mortem Analysis
Thank you for your attention