ISO ALL HAZARDS INTERNATIONAL SUPPLY CHAIN SECURITY SYSTEMS STANDARDS

All Hazards Risk Management Approach
Supply Chain Security - the ISO 28000 Series

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DEFINITION CLARITY

SECURITY:

Condition of being protected against hazards, threats, risks, or loss

SECURITY ASPECTS:

Those characteristics, elements or properties which reduce the risk of unintentionally, intentionally and naturally- caused crises and disasters that disrupt and have consequences on the products and services, operation, critical assets, and continuity of the organization and its stakeholders

ALL ORGANIZATIONS/COMPANIES HAVE SUPPLY CHAINS & MOST TRADE IS GLOBAL

The ISO 28000 SERIES

- **ISO 28000, <u>Supply chain security management systems</u>- Published**

- **ISO 28001, Best practices for implementing supply chain security, assessments and plans -** Designed to assist industry meet security requirements for Authorized Economic Opera(AEO's) **- Published**

- **ISO 28002, <u>Resilience in supply chain security</u>- Published**

- **ISO 28003, Auditing & Certification - Published** Guidance for accreditation & certification bodies

- **ISO 28004, Guide for implementing ISO 28000- Published** Assist users in implementing ISO 28000
  - **ISO 28004 - Four Addenda being published for special use**

- **ISO 28005, Electronic port clearance** computer-to-computer data transmission of information related to ship's clearance in or out of a port
  - **ISO 28005-1:Electronic Port Clearance (EPC) - Single Window Implementation –** Under development
  - **ISO 28005-2: Electronic Port Clearance (EPC) - Core Data Elements- Published**

ISO 28000

- **ISO 28000 - the ONLY published and certifiable International Standard. It takes a holistic,** _**risk-based approach to managing risks associated with any disruptive incident in the supply chain -before, during and after the event. It suggests how to improve resilience and preparedness performance in a cost effective way based on a plan-do-check-act**_

- **Section 4.3.1** states, **"risk assessment shall consider the likelihood of an event and all of its consequences which shall include**: _**physical failure threats and risks**_; _**operational threats and risks**_; _**natural environmental events**_; _**factors outside of the organization's control**_; & _**stakeholder threats and risks"**_

- **Section 4.4.7** - emergency preparedness, response and security recovery

- _**ISO Secretary General noted in Press Release on publication of ISO 28000:**_

  - _**The standards address potential security issues at all stages of the supply process from point of manufacture, including sources of financing, to the final consumer thus targeting threats………**_

Secretary General WCO comments on ISO & 28000

- **Secretary General, World Customs Organization stated "Clearly, the cooperation between WCO and ISO is set to continue and strengthen, as our work is complementary and supportive"**

- **"Good relations with ISO- Liaison with ISO/TC8-** This means that WCO has been able to ensure work developed is fully consistent with SAFE Framework of standards"

- **"Countries developing AEO programmes may now consider with confidence certification to ISO 28000 a stepping stone towards AEO certification"** "This is indeed a positive development & reflects the invaluable role played by ISO standards, especially in relation to supply chain security management"

European Commission

TAXUD/2006/1450 – *AUTHORISED ECONOMIC OPERATORS GUIDELINES*

"Legislation ensures automatic recognition of safety & security standards for Regulated Agents" "As laid down in Article 14k(3) of   CCIP, security & safety criteria shall also be deemed to me met if the applicant, established in the Community, …… is the holder of any of the following: …, an International Standard of the International Organisation for Standardisation, "

" TAXUD/2006/1450 examined the application of ISO 17000 & 27000 series of IT standards, ISO 9001 quality management ….,   & ISO 28000 & 28001 in regard to security assessment, procedures, plans, and management for the supply chains"

While the chance of an earthquake in one location may be small, the chance of an earthquake impacting your supply chain is substantially higher

Even a low probability threat can have consequences. Though millions of people may never experience an earthquake, each year there are about 18 earthquakes of magnitude 7.0 or larger worldwide – their impact can be considerable. **There's a 100 percent chance of an earthquake today**

ISO 28000 series "Select" Amendments

- **Small to Medium Size Enterprises (SME) -assist/guidance for implementing & certifying ISO 28000**

- **Smaller port facilities security - assist/guidance for implementing & certifying ISO 28000**

- **Assist AEO's for implementation to ISO 28000**

- **Assist implementing "Resilience" in ISO 28000 Certification**

- **Piracy**

- **Others ?**

World Customs Organization (WCO)

SAFE Framework

European Commission Authorized Economic Operator*

Customs Trade Partnership Against Terrorism (C-TPAT)*

Singapore Secure Trade Partnership (STP)*

Transported Assets Protection Association (TAPA)*

International Organization for Standardization

ISO 28000

How 28000 is being used

Adoption of the 28000 series by users

- **DP World** was first to certify a marine terminal; will complete ISO 28000 certifications throughout its network of >50 terminals in 31 countries by end 2012 - CTPAT & AEO status based on ISO 28000 certification

- **Port of Houston Authority**, one of the world's largest ports, was first port authority in the world to attain ISO 28000 certification.

- **YCH Group**, Singapore, is the first supply chain global logistics management (SCM) company to be ISO 28000 certified.

- **TNT Express**' Asia regional head office in Singapore is the first express integrator to achieve certification to ISO 28000.

- **Sony Corporation**

Adoption of the 28000 series by users (Cont.)

- **DB Schenker, world's second-largest forwarder, is ISO 28000 certified**

- **Asian Terminals, first marine terminal in Philippines, certified ISO 28000**

- **CTS Logistics, China -Kitting assembly of turnkey management of consumer electronic, IT and telecommunication products, assembly of computer peripherals and loading of software, ISO 28000 certified**

- *YCH India:* **certified** TAPA 'A-class' & ISO **28000-compliant** YCH India started by providing freight & customs clearance services to Dell. YCH operates VMI (Vendor Managed Inventory) model, the first of its kind for electronic manufacturers and suppliers, industry. YCH India provides customized Supply Chain solutions for Electronics, Consumer Goods, Chemicals/Healthcare and Automotive industries in India. Its clientele includes DELL, ACER, TPV, General Mills, HCL and others.

Adoption of the 28000 series by users (Cont.)

- Banner Plasticard, Philippines- design, printing cards, personalization , embossing, encoding, thermal printing, wrapping, crating and palletizing to freight forwarder for export, is ISO 28000 certified

- DHL Express is ISO 28000 certified

- Pantos Logistics, Korea - major air freight co., 83 offices,35 countries

- Airport, railroad, pharmaceutical, health care, high tech industries certifying to ISO 28000

- Major banks seek ISO 28000 - protect investments & from system risks

- Professional training for security and non practitioners using ISO 28000 is conducted for (1) supply chain business operators & (2) Customs Officers

- And many other global industries

Thank You for Your Attention

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