

**SUPPLY CHAIN SECURITY
SYSTEMS STANDARDS
CURRENT STATUS (ISO/TC8)**



**ANSI HOMELAND SECURITY STANDARDS PANEL
9th Annual Plenary Meeting
Arlington, VIRGINIA**

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CAPT. CHARLES H. PIERSALL
Chairman, ISO/TC8
Ships & Marine Technology

ISO/TC8 – A LINKING INSTRUMENT



IMO, WCO, ILO / *ISO* / *INDUSTRY*
REQUIREMENTS TRANSFORM SHIPYARDS ;
REGULATIONS REQUIREMENTS SUPPLIERS ;
 TO SHIP OWNERS/
 INDUSTRY OPERATORS ;
 STANDARDS OTHERS IN SUPPLY CHAIN

**EXPANDED DELEGATIONS & PARTICIPATION TO ALL
IMO COMMITTEES & SUBCOMMITTEES**

ISO 28000

- **ISO 28000** - the only published and certifiable International Standard that 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:*
 - **Reducing Piracy, Fraud, and Terrorism**
 - *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 such as terrorism, fraud and piracy.*

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”

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

“The 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 be 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”

The ISO 28000 SERIES



- **ISO 28000, Supply chain security management systems- Published**
- **ISO 28001, Best practices for implementing supply chain security, assessments and plans - Published**
Designed to assist industry meet security requirements for Authorized Economic Opera(AEO's)
- **ISO 28002, Resilience in supply chain security- PAS Published, DIS Approved**
- **ISO 28003, Auditing & Certification - Published**
Guidance for accreditation & certification bodies
- **ISO 28004, Guide for implementing ISO 28000- Published**
Assist users in implementing ISO 28000
 - **Four Addenda being published for special uses**
- **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) - Technology & Data Dictionary - PAS Published 2009;DIS Approved 2010-05-**

Adoption of the 28000 series by users



- **DP World was first to certify a marine terminal and will complete ISO 28000 certifications throughout its network of 48 terminals in 31 countries worldwide by 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.**

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, P.R.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 and printing of cards, personalization services, embossing, encoding, thermal printing, wrapping crating and palletizing to freight forwarder for export, is ISO 28000 certified**
- **Airport, railroad, pharmaceutical, health care, and high tech industries certifying to ISO 28000**
- **Professional training for security and non practitioners using ISO 28000 is being conducted for (1) supply chain business operators and (2) Customs Officers**
- **And many other global industries**

O/TC8 Ships & Marine Technology

MUCH HAS BEEN ACCOMPLISHED, BUT MUCH MORE REMAINS



WE WILL MAINTAIN COURSE & SPEED