INITIATIVES

TO ENHANCE GLOBAL SUPPLY CHAIN SECURITY

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ISO/TC8 - A LINKING INSTRUMENT

IMO/WCO/ILO REQUIREMENTS & REGULATIONS

ISO TRANSFORM REQUIREMENTS TO INDUSTRY STANDARDS & PROVIDE INDUSTRY STANDARDS FOR CONSIDERATION BY REGULATORY BODIES

INDUSTRY SHIPPERS MANUFACTURERS TERMINALS & PORTS TRANSPORTERS
MAJOR OBJECTIVES

USE AN INTERNATIONAL (ISO) STANDARDS APPROACH THAT WILL PRODUCE RESULTS IN A TIMELY MANNER TO SUPPORT INTERNATIONAL REGULATORY BODY REQUIREMENTS AND WILL ACCOMPLISH:

- Reduced vulnerability, increased security
- Maximized freight mobility and productivity
SOLAS chapter XI-2 and ISPS Code entered into force on 1 July 2004:

ISO/PAS 20858 for Uniform Implementation - Published Same Date!
SHIPS AND PORTS

The ISPS Code

But what about the rest?
THE SUPPLY CHAIN

Factory → Packing station → Rail → Sea passage

Warehouse → Road → Freight Yard → Port Facility

The ISPS Code
WHY ISO SECURITY STANDARDS –?

- Need for security urgent – not evolving

- Assist International Industry/Government Collaboration – industry input to regulatory requirements; uniform industry implementation of requirements; best use of government-industry resources

- Industry standards
  - Voluntary
  - Honor no nationality or border

- Terrorism, fraud and piracy are not national problems – national solutions and unilateral government actions will not work
SUPPLY CHAIN

A VULNERABLE TARGET

- Complex series of events and actions ... in a myriad of places, involving all products and systems
- All players are interrelated
- Need urgent to “recognize” all upstream and downstream players as “secure”
SECURING ALL CARGO IN ALL MODES OF TRANSPORT

- Cargo types – containers; break-bulk-palletized; car carriers; Ro-Ro (Farm machinery, trucks, cranes, etc.); bulk-LNG, petroleum; hazmat - in series of events and actions ... in a myriad of places, involving products, systems and people

- All modes – air; sea; truck; rail

- Intermodal short sea shipping – rail, truck, sea- cargo carriers; passenger carriers; ferries

- Inland waterways – cross borders; tug/barge; inland vessels
A COORDINATED ISO APPROACH

(ISO PILOT PROGRAM INITIATED 2001-11)

THE KEY PLAYERS (Partial List):

- ISO TC8 (Overall Coordination); OTHER RELEVANT ISO TC’s
- GOVERNMENT COORDINATION/PARTICIPATION: IMO; ILO; WCO;
- INTERNATIONAL NGO’s: IAPH; ICS; IACS;
- MAJOR INDUSTRY LIAISON/MOU’s: BIMCO; WSC; SCST; ITN; IFIA
- REGIONAL BODIES: EU; UN/ECE; EC-DGET; APEC;
WHAT IS ISO/PAS 28000?

- The management systems standard for Supply Chain Security
- An overarching “tool” – Published 2005-11-15
- A major initiative - industry and governmental cooperation
- Provides requirements for establishing, implementing, maintaining and improving a security management system for the supply chain
- Applicable to a broad range of organizations
- Risk based, follows 14001, the environmental management system standard
Security Management Systems Elements

Security Management System

- Policy 4.2
- Security risk assessment & planning 4.3
- Implementation & operation 4.4
- Checking & corrective action 4.5
- Management Review 4.6
7 September 2006 - DP World, one of the world’s largest marine terminal operators, became the FIRST company to gain certification to ISO /PAS 28000 (security management systems standard). Lloyd’s Register Quality Assurance, an independent international certification body, audited DP World for compliance and presented the Certification.

Lloyd’s states “This is an important step in securing the supply chain. We look forward to other leaders in the industry embracing the standard”

DP World has 51 terminals in 24 countries & 5 continents. They acquired P&O, including P&O Ports in 2006.
WHAT IS ISO/PAS 28001?
Published 2006-09-01

- Provides requirements & guidance for organizations to:
  - Establish & document a level of security in supply chain(s) or a segment
  - Conduct security vulnerability assessments
  - Assist in meeting applicable Authorized Economic Operators (AEO’s) criteria set forth by World Customs Organization Framework of Standards & conforming national supply chain security programmes

- Note: Only a participating National Customs Agency can designate organizations as AEO’s in accordance with its supply chain security programme & its attendant certification & validation requirements
WHAT IS ISO/PAS 28003?
Published 2006-10-01

- Provides guidance for accreditation of certification bodies as competent to perform certification to ISO/PAS 28000 (or to similar requirements)

- Defines Rules applicable to the audit & certification of supply chain security management systems conforming to ISO/PAS 28000 (or to similar requirements)

- Provides customers with necessary information & confidence about the way certification of their suppliers has been granted

- NOTE: ISO 28003 refers to existing ISO standards (ISO 19011- Auditing) & (ISO 17021 -Conformity assessment)
WHAT IS ISO/PAS 28004?
Published 2006-09-01

- Provides generic advice on the application of ISO/PAS 28000
- It explains underlying principles of ISO 28000 & describes intent, typical inputs, processes and typical outputs for the requirements of ISO 28000
- It is to assist users to understand & implement ISO/PAS 28000
- It includes the complete requirements of ISO/PAS 28000, clause-by-clause, followed by relevant guidance
Electronic Port Clearance (EPC) - One Stop Shopping

- All reporting activities related to a ship’s clearance into or out of a port, port state controlled area and related reporting
- Based on EU Project MarNIS; IMO FAL Requirements
- Computer-to-Computer data transmit using XML
- Areas already using XML Format - SafeSeaNet (EU Directive), PortNet, USCG eNOA/D, Ports in Norway, Singapore, Hong Kong, Sweden, Valparaiso, some in USA; UN/ECE
- Refer to two existing standards - ebXML (Electronic business - ISO/TS 15000 series) and MSML (Maritime Safety Markup Language - ISO 22853)
ISO ASSISTS IN IMPLEMENTATION

- Assisting 6 Major U.S. Ports in implementing ISO 28000
- ISO 20858 being used as teaching tool for developing nations in concert with IMO’s ISPS Code
- ISO 28001 being used as teaching tool for security risk management decisions & best practices
- Companies are being Certified to ISO 28000
INTERNATIONAL ORGANIZATION FOR STANDARDIZATION

MUCH HAS BEEN ACCOMPLISHED, BUT MUCH MORE REMAINS

THANK YOU FOR YOUR KIND ATTENTION

WE WILL MAINTAIN COURSE & SPEED