NEW ISO INITIATIVES

RELATED TO MARITIME

& SUPPLY CHAIN SECURITY

UN/ECE 68th INLAND TRANSPORT COMMITTEE

Geneva, Switzerland

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Ships and Marine Technology

EVENTS THAT CHANGED THE WORLD

- **ETA's planned bomb attack of Spanish car ferry**

- **October 12th 2000 Attack on USS Cole**

- **September 11th 2001 Attacks of WTC and Pentagon**

- **October 6th 2002 Attack on Limburg**

THE "NEW" WORLD

- "Vacation" from war is over

- New kind of enemy --- suicidal with no return address

- New kind of warfare --- traditional warfare no longer effective

- Critical strategy requires preemption

- New war NOT fought on a battlefield only with uniformed armies

- New war requires "citizen soldiers; disrupting the enemy at its origin

- How do we do that?

- Voluntary security standards … a new weapon for the new enemy
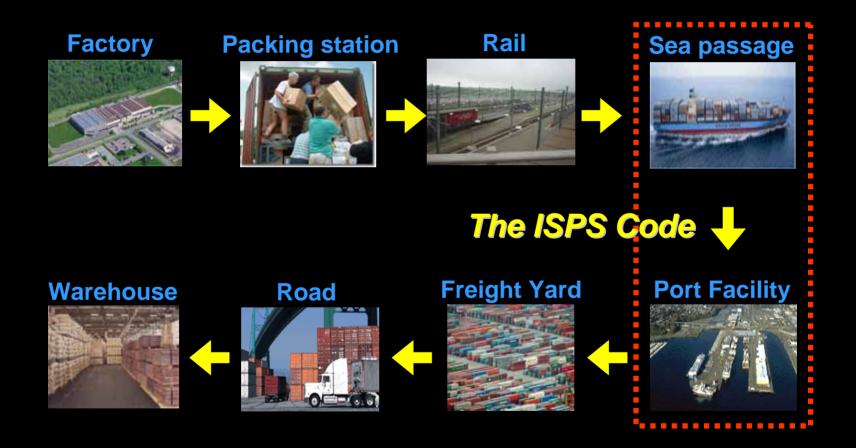
SHIPS AND PORTS

The ISPS Code

Sea passage

But what about the rest ?

Port Facility

THE SUPPLY CHAIN

Factory → **Packing station** → **Rail** → **Sea passage**

The ISPS Code ↓

Warehouse ← **Road** ← **Freight Yard** ← **Port Facility**

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"**

- **How do players assure others are secure ?**

SECURING ALL CARGO

IN ALL MODES OF TRANSPORT

- **Cargo types – containers; break-bulk-palletized; car carriers; bulk-LNG, petroleum; hazmat - in series of events and actions … in a myriad of places, involving all products and systems**

- **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

THE KEY PLAYERS (Partial List):

- **ISOTC8; ISOTC67; ISO TC104; ISO TC104/122 JWG; ISO TC154; ISO TC204; ISO/IEC JTC1 SC17, SC31, & SC37**

- **GOVERNMENT COORDINATION/PARTICIPATION: IMO; ILO; WCO;**

- **INTERNATIONAL NGO's: IAPH; ICS; IACS;**

- **MAJOR INDUSTRY LIAISONS/MOUs: SCST; ITN; BIMCO; WSC;**

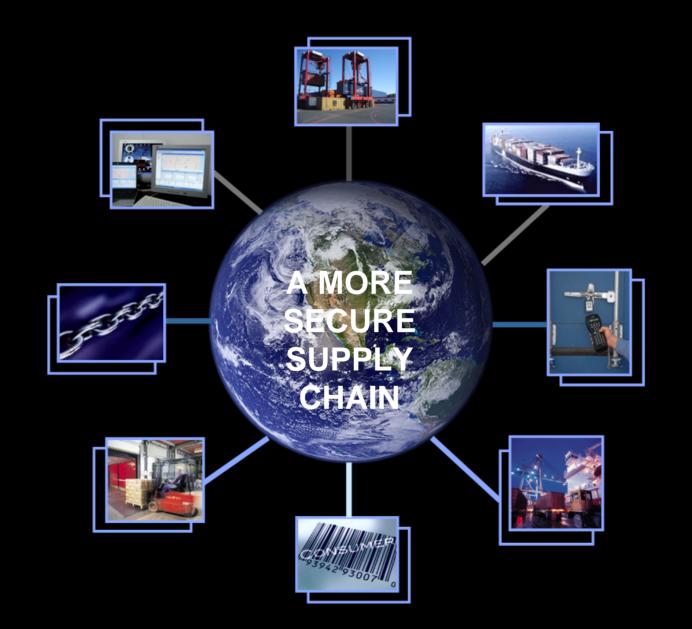- **REGIONAL BODIES: EU; PIANC; CEN; EC-DGET; APEC; EMSA;**

WHAT IS ISO/PAS 28000?

- **An overarching "tool"**

- **A major initiative - industry and governmental cooperation**

- **Provides requirements for establishing, implementing, maintaining and improving a management system for security**

- **Applicable to a broad range of organizations**

- **Risk based, follows 14001, an environmental management system standard**

OTHER DEVELOPMENTS

- **ISO / PAS 20858**

  - **Published; Uniform industry implementation of ISPS Code**

- **ISO / PAS 28001**

  - **In final draft, will be consistent with WCO Framework of Standards**

  - **Assist industry in Best practices for custody in supply chain**

- **ISO 28004**

  - **Working Group convened 2006-01-31 – 2006-02-01**

  - **Guidance for 28000, also Refers to 19011 & 17021**

- **ISO 28005**

  - **Under development; Electronic Port Clearance (EPC)**

  - **Computer –to - Computer data transmission**

- **OTHER LOWER TIER - subsystem, components standards**

A MORE SECURE SUPPLY CHAIN

INTERNATIONAL ORGANIZATION

FOR STANDARDIZATION

WHAT ABOUT ISO ?

- **World's dominant standards writing organization**

- **Founded in 1946 … private sector industry network of standards bodies**

- **Traditional role:**

  - **Develop international standards for products, services, processes, materials and systems**

  - **Develop standards for conformity assessment, managerial and organizational practice**

  - **Help ensure quality, ecology, safety, economy, reliability, compatibility, interoperability, efficiency, effectiveness and other vital characteristics, including the facilitation of trade and dissemination of technology**

WHY STANDARDS FOR SECURITY ?

- **Need for security urgent – not evolving**

- **Other initiatives not enough … ISPS Code etc.**

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

- **Easy to understand why standards now entering security 'arena" as "new weapon" in "new war"**

  - Drafted by international "experts" who achieve consensus …does not favor an industry or a country

  - Voluntary

  - Honor no nationality or border

  - A pragmatic approach

WHAT IS ISO/PAS 28000?

- **The specification for security management systems for the supply chain**

- **First of a series of security standards**

- **Drafted by TC8 in collaboration with other technical commitees responsible for specific nodes of the supply chain**

- **14 countries participated...and many international bodies- both Government & NGOs**

- **Completed in 8 months – Standards CAN meet 'on time' needs**