



INITIATIVES

TO ENHANCE GLOBAL
SUPPLY CHAIN SECURITY



Prepared for Mr. Poul Hansen, UN/ECE

In connection with the

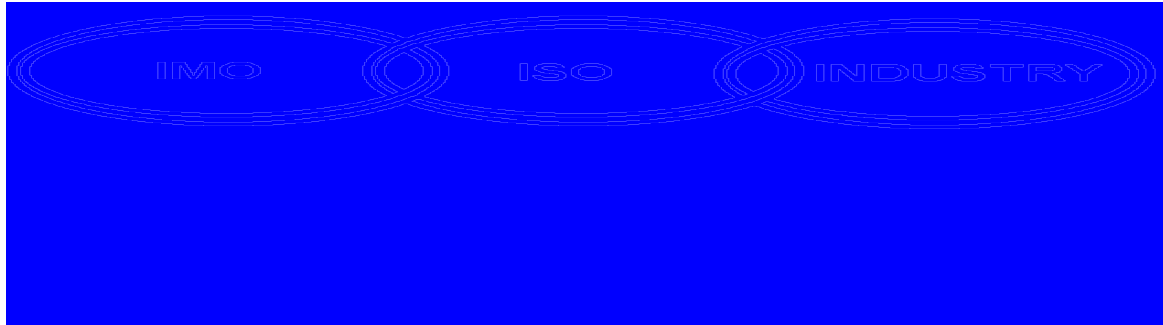
TRANS WP30

115th SESSION MEETING

Geneva, Switzerland

2007 -01-30/02-02

ISO/TC8 - A LINKING INSTRUMENT



IMO/WCO/ILO

ISO

INDUSTRY

**REQUIREMENTS
& REGULATIONS**

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

**SHIPPERS
MANUFACTURERS
TERMINALS &
PORTS
TRANSPORTERS**

MAJOR OBJECTIVES

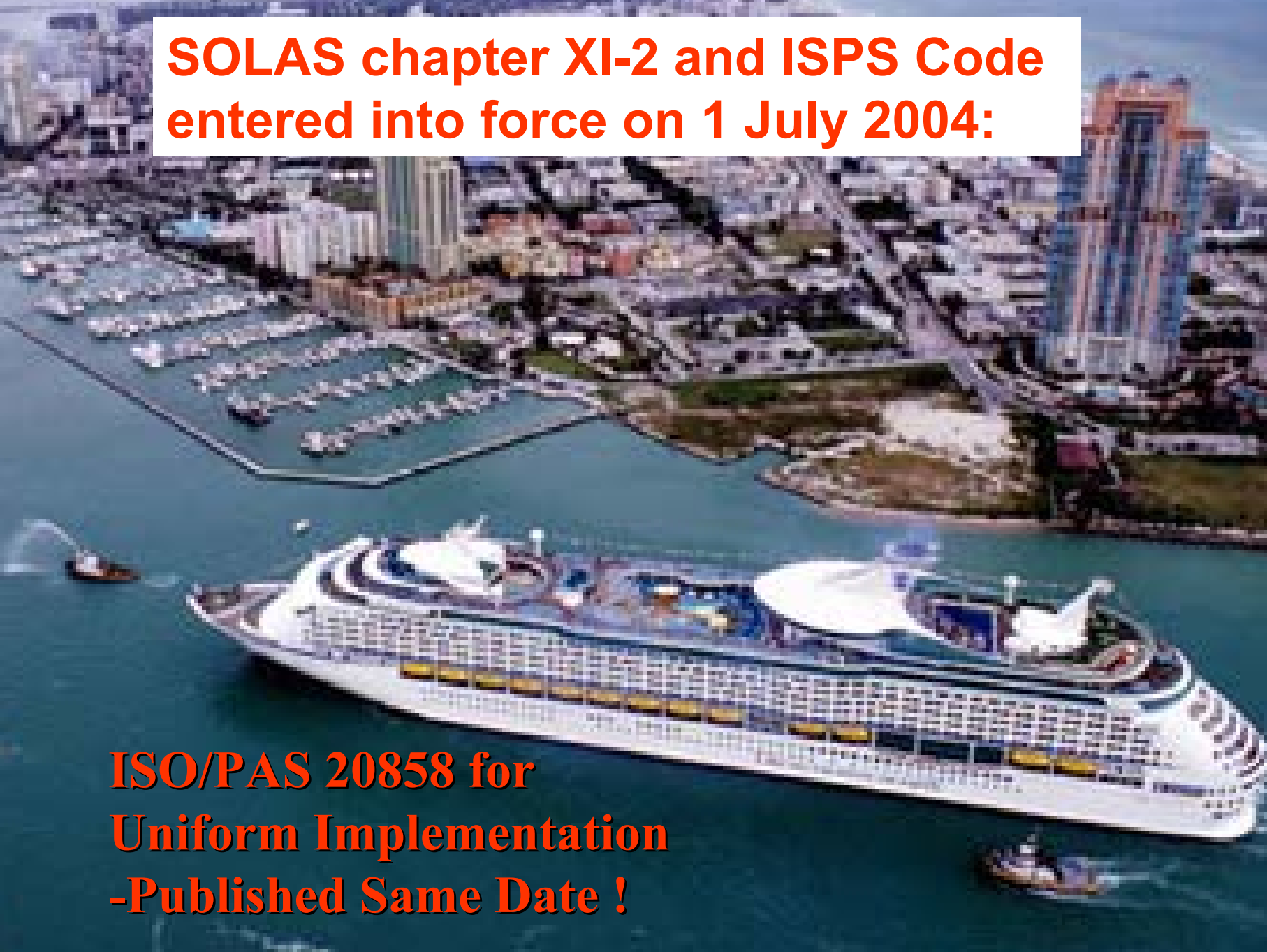
USE AN INTERNATIONAL (ISO) STANDARDS APPROACH THAT WILL PRODUCE RESULTS IN A TIMELY MANNER TO SUPPORT INTERNATIONAL REGULATORY BODY REQUIREMENTS AND WILL ACCOMPLISH:

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



Sea passage



Port Facility

But what about the rest ?

THE SUPPLY CHAIN



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):

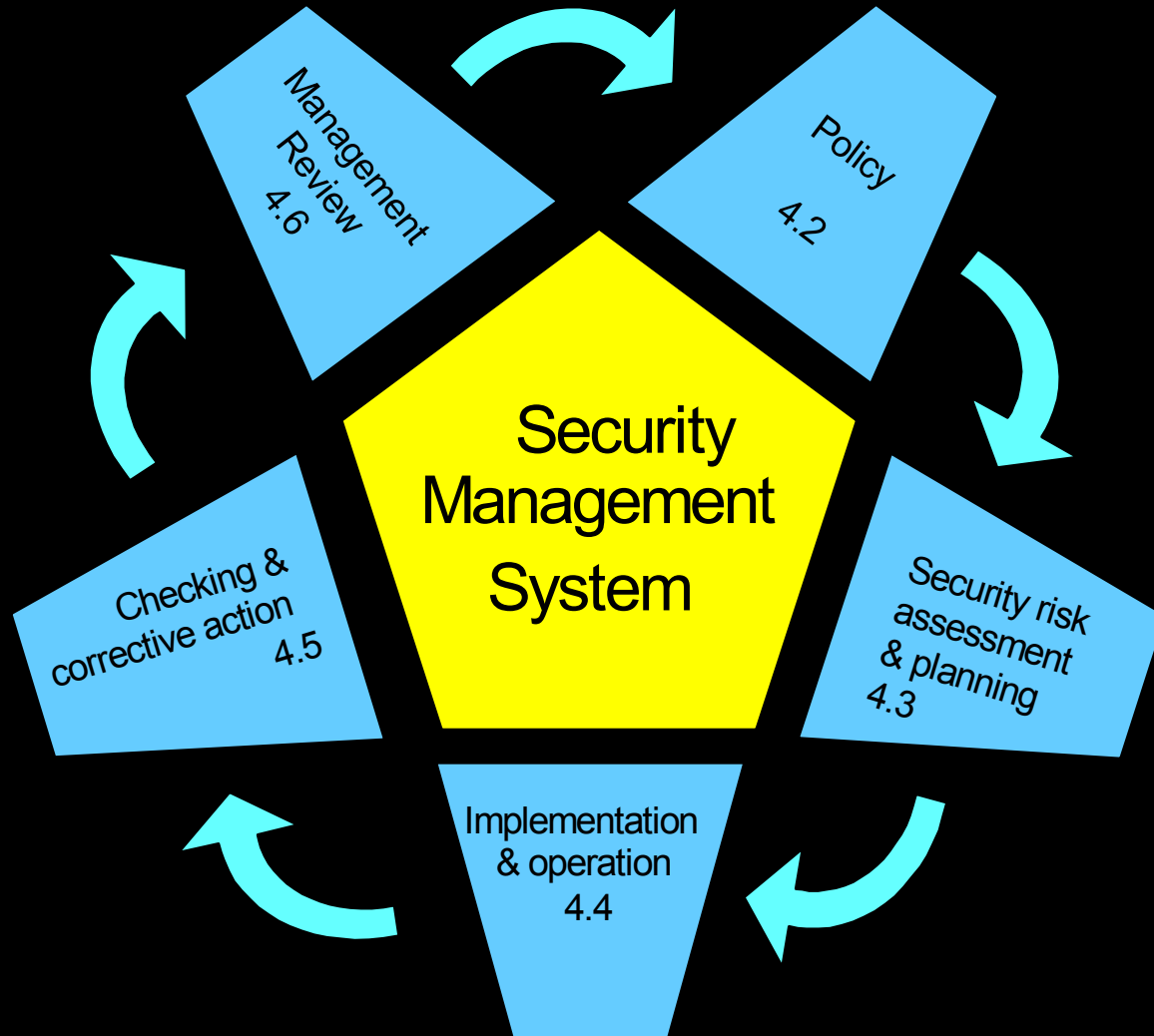
- ISO TC8(Overall Coordination); OTHER RELEVANT ISO TC's
- GOVERNMENT COORDINATION/PARTICIPATION: IMO; ILO; WCO;
- INTERNATIONAL NGO's: IAPH; ICS; IACS;
- MAJOR INDUSTRY LIAISON/MOU's: BIMCO; WSC; SCST; ITN; IFIA
- REGIONAL BODIES: EU; UN/ECE; EC-DGET; APEC;

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



FIRST COMPANY GAINS ISO 28000 CERTIFICATION



- 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 acquire 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

COMING ATTRACTION

ISO 28005

Under development



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

