



# WCO Customs Data Model

A tool for secure and efficient  
international trade

# Outline



- About Us
- WCO Framework of Standards
- Customs Data Model components
- Conclusions



- Independent intergovernmental body
- Established 1952 in Brussels
- 164 member Customs administrations
- Enhance the effectiveness and efficiency of Customs
- Develop and maintain standards for simple, standardized and harmonized customs systems and procedures
- Assist in capacity building programmes
- Provide training and technical assistance

# WCO Framework of Standards



- Resolution I (2002) – WCO Task Force
  - Develop Standards
    - PROCEDURES
      - revised Kyoto Convention
      - WCO Business Partnership Guidelines
      - MAA (Johannesburg and bilateral)
    - CUSTOMS CONTROL
      - risk management, risk assessment, common profiles
    - DATA REQUIREMENTS
      - WCO Data Model
      - UCR (ISO15459)
  - Co-operate with other intl. orgs.
    - Business associations
    - United Nations, Resolutions 1373, 1456 1566
    - IMO, ICAO, EU
- Resolution II (2004) – WCO High-level Strategic Group
  - Develop Framework of Standards
  - Implement Standards
  - Capacity Building

# WCO Framework of Standards

## Objectives

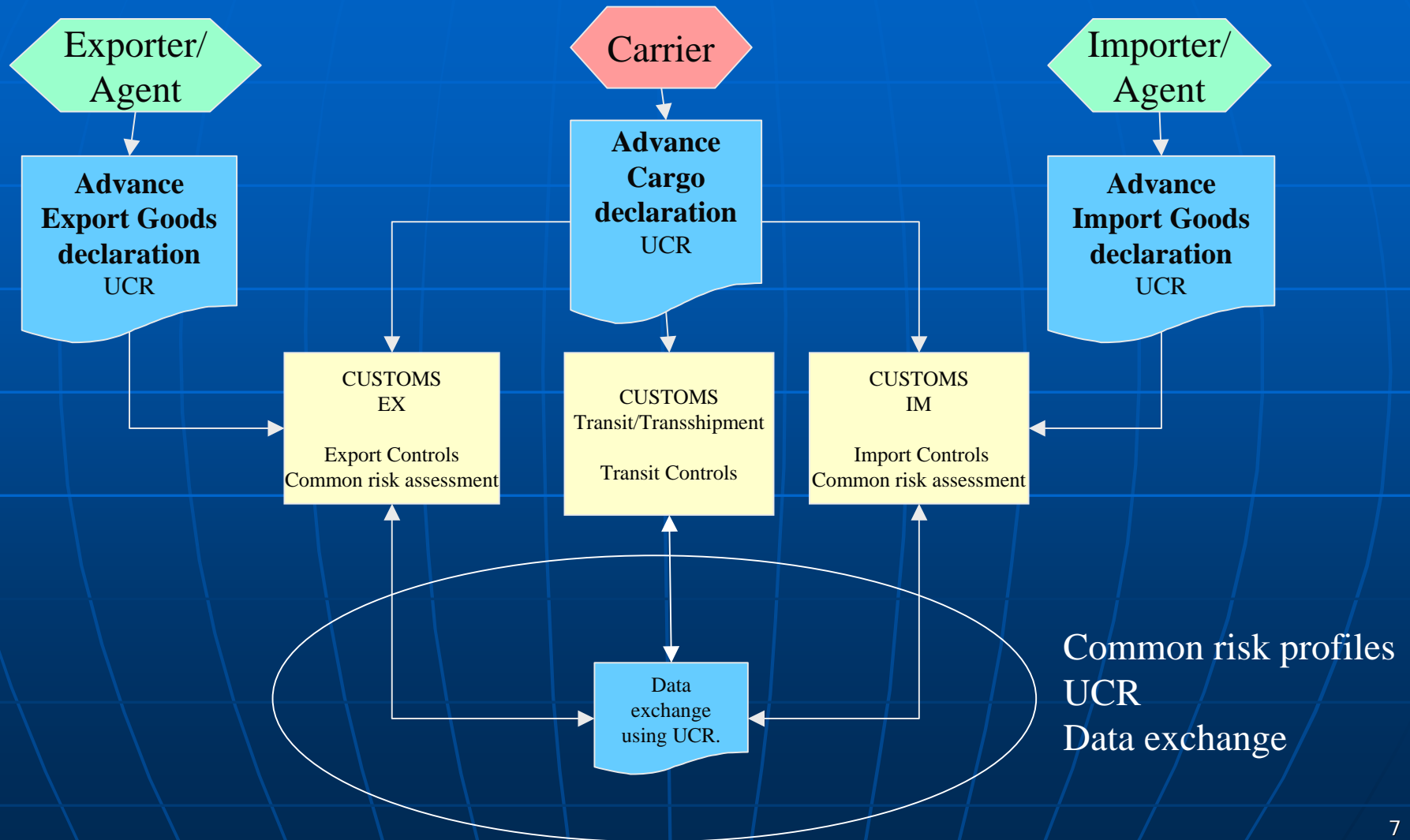


Customs administrations must work co-operatively with common and accepted standards to maximize the security and facilitation of the international trade supply chain as cargo and container shipments move along the nodes of the global trading system.



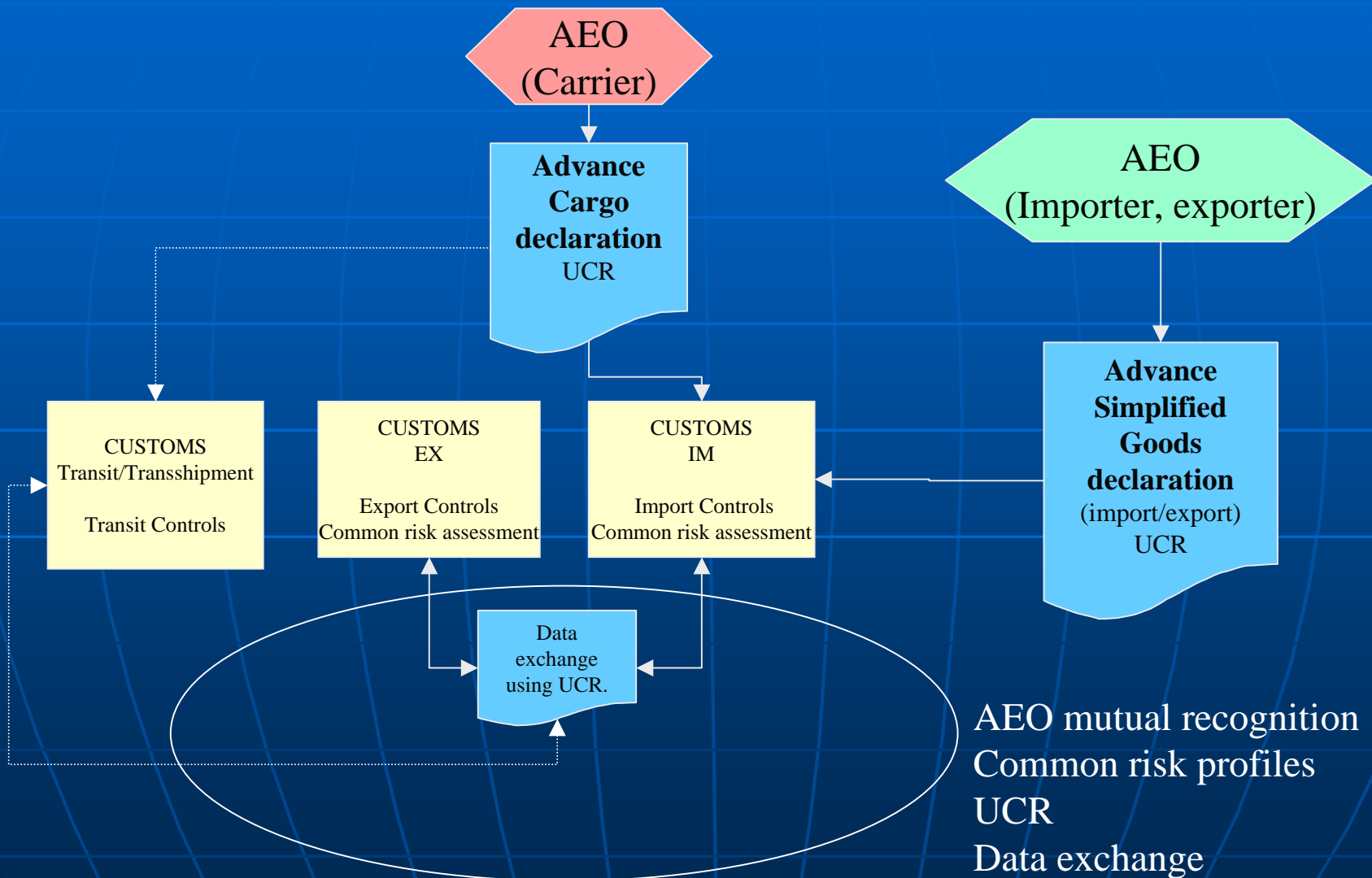
# WCO Framework of Standards

## Integrated control procedure



# WCO Framework of Standards

## Authorized Supply Chain



# WCO Customs Data Model

## Cross-border processes



- Customs and PGA
- Conveyance report
- Cargo report (manifest)
- Goods declarations
  - import, export and transit
    - one step procedures
    - two step procedures
      - first step for release
      - second step for duty collection and statistics

# WCO Customs Data Model



## Kyoto Customs Data Principles

- G7 Initiative 1996 - 2001
- Common data sets and uniform electronic messages for cargo report, import, and export declarations
- Maximum data requirements for the routine exchange of information between Customs and the trader
- Countries to require as little information as necessary for Customs control purposes
- Release on minimum information

# WCO Customs Data Model

## Components



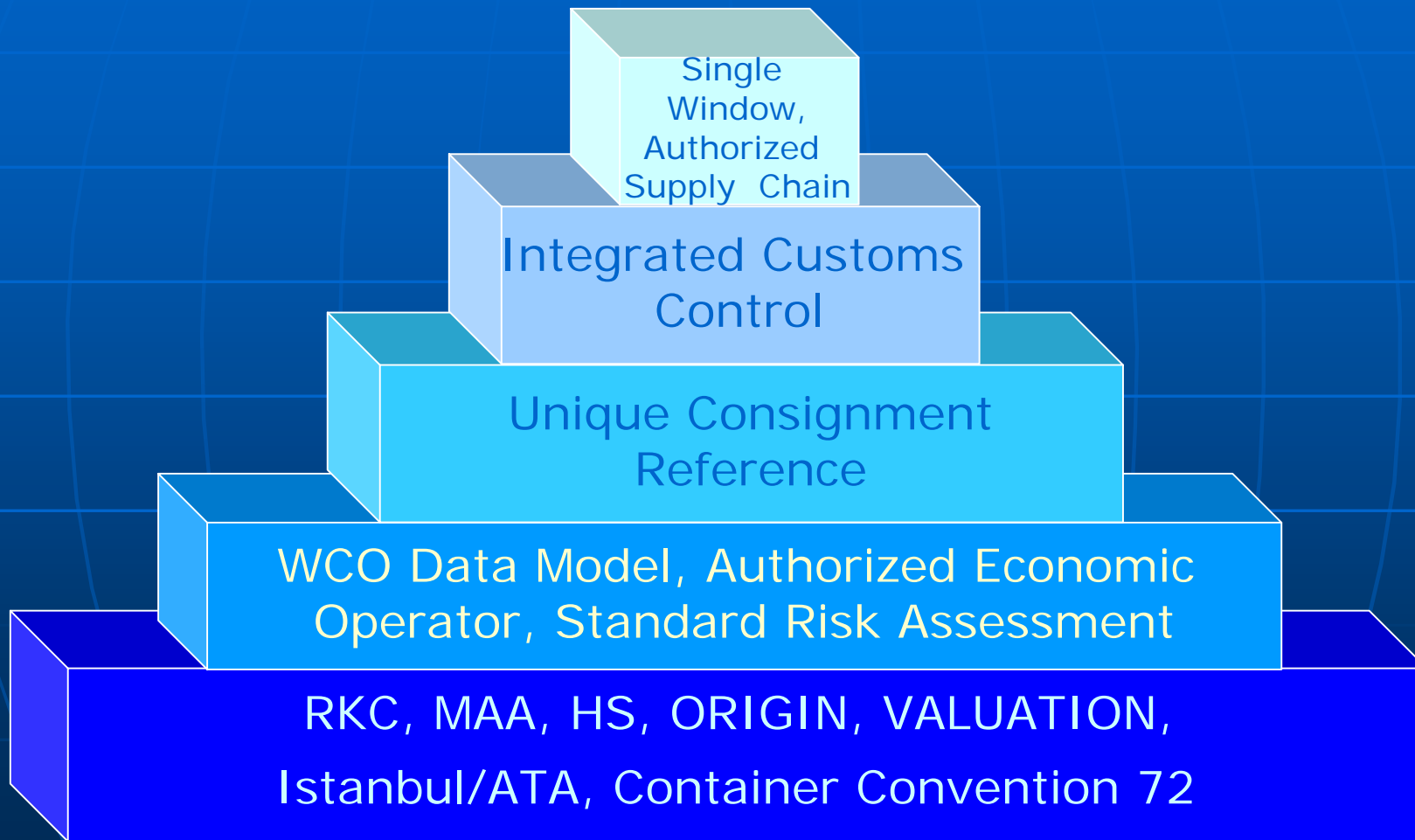
- Business process models
- Data sets in line with UNTDED
- UML class diagrams using CCTS data types
- EDIFACT and XML message specifications
- International code sets
  - WCO (HS, UCR)
  - ISO (3166 country, 4217 currency, 6346 container, etc.)
  - UN Rec's (5:Incoterms, 16:LOCODE, 20:units of measure, 21:types of packages, 28:modes/means of transport, etc.)
  - Others (IATA, ITU, IMO, EAN.UCC, D&B)

# WCO Customs Data Model Implementation



- G8 countries and APEC economies agreed to implement Data Model by 2005, where possible
- CA, US, UK, NL, IN, JP, KE, ZA, others
- WCO to adopt Framework of Standards and Data Model V.2.0 in June 2005
  - Members to implement standards within 36 months

# WCO Framework of Standards



Capacity Building



# THANK YOU

Dietmar JOST  
Senior Technical Officer

WORLD CUSTOMS ORGANIZATION

Rue du Marché 30, 1210 Brussels, Belgium

📞: +32 (02) 209 93 55, 📠: +32 (02) 209 94 93

[dietmar.jost@wcoomd.org](mailto:dietmar.jost@wcoomd.org)

[www.wcoomd.org](http://www.wcoomd.org)