



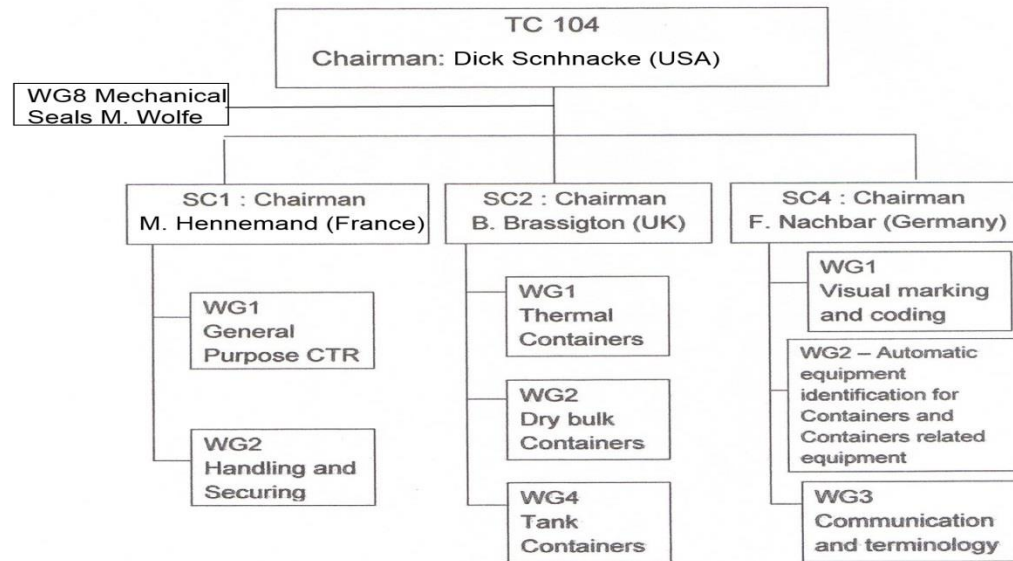
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**ISO TC 104/SC4 Report at the  
UN/CEFACT Forum  
Jorn Heerulff - BIC**

**Marseille – November 2015**



## ISO TC104

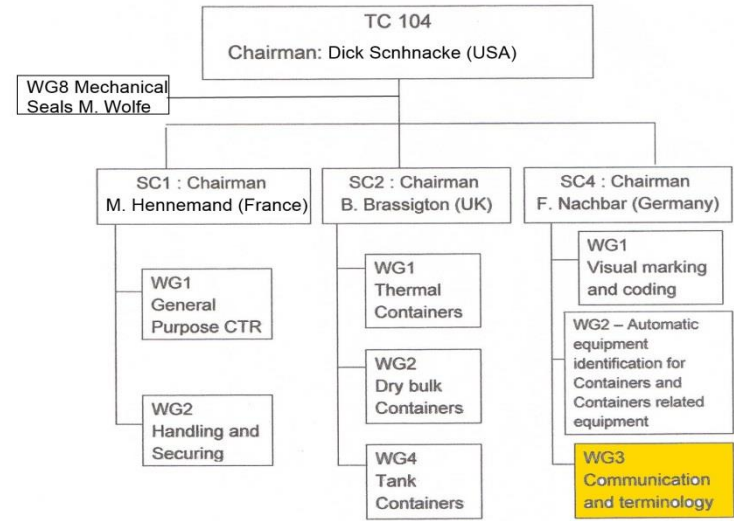


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Convener: Jørn Heerulff



# ISO TC104/SC4/WG3 – Communication and Terminology



## **ISO 9897 – Container Equipment Data Exchange (CEDEX)**

**This International Standard was developed in 1985-87 by ISO TC104/WG4 and specifies general communication codes for container equipment data exchange and is intended for business entities for use in communications relating to freight container maintenance and repair transactions.**

**The idea was to provide the container industry with standardized codes for components, repairs, damages, location, units of dimension, etc. for all container types.**

**The first edition of ISO 9897 was published in 1989 and consisted of two parts, Part 1 describing the codes and Part 3 the EDIFACT based protocol.**

**The second edition of ISO 9897 was published in 1997 (stand alone) since the UN C-FACT working group had developed the EDIFACT DESTIM message, thus replacing part 3 of the 1989 publication.**

**The third edition of ISO 9897 is under way and will be split in to 6 parts in order to cover the individual container types, as follows:**



## The following parts of ISO 9897 are finalized:

- DIS 9897/1 – *General purpose containers*
- DIS 9897/2 – *Refrigerated containers*
- DIS 9897/5 - *Chassis*
- DIS 9897/6 – *Message sets for container M&R*



## **ISO 9897 Parts 3 and 4 are under preparation as follows:**

Tank container codes - WD 9897-3 with ITCO (International Tank Container Organisation), Colin Rubery, as project editor.

Special purpose containers – CD 9897-4 by China with Li Jichun as project editor.



## **ISO 9711, Freight containers. Information related to containers on board vessels. Bay plan system.**

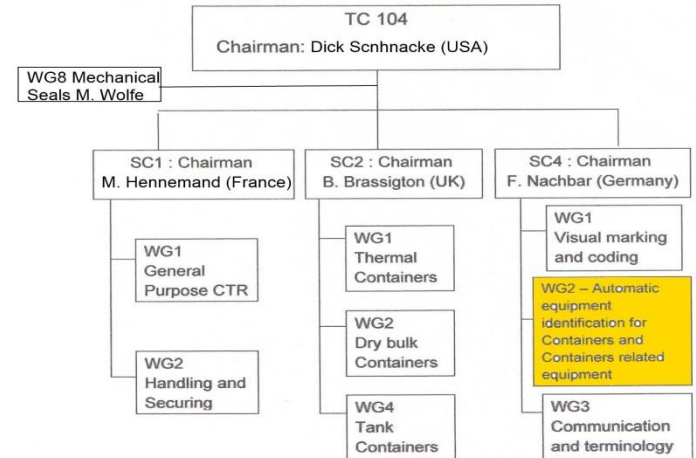
- Discussion of problem related to current edition of this standard.
- No one have yet volunteered as project leader, item therefore still pending.





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# ISO TC104/SC4/WG2 – Automatic Equipment Identification for containers and container related equipment





## **TC104/SC4/WG2 Standards:**

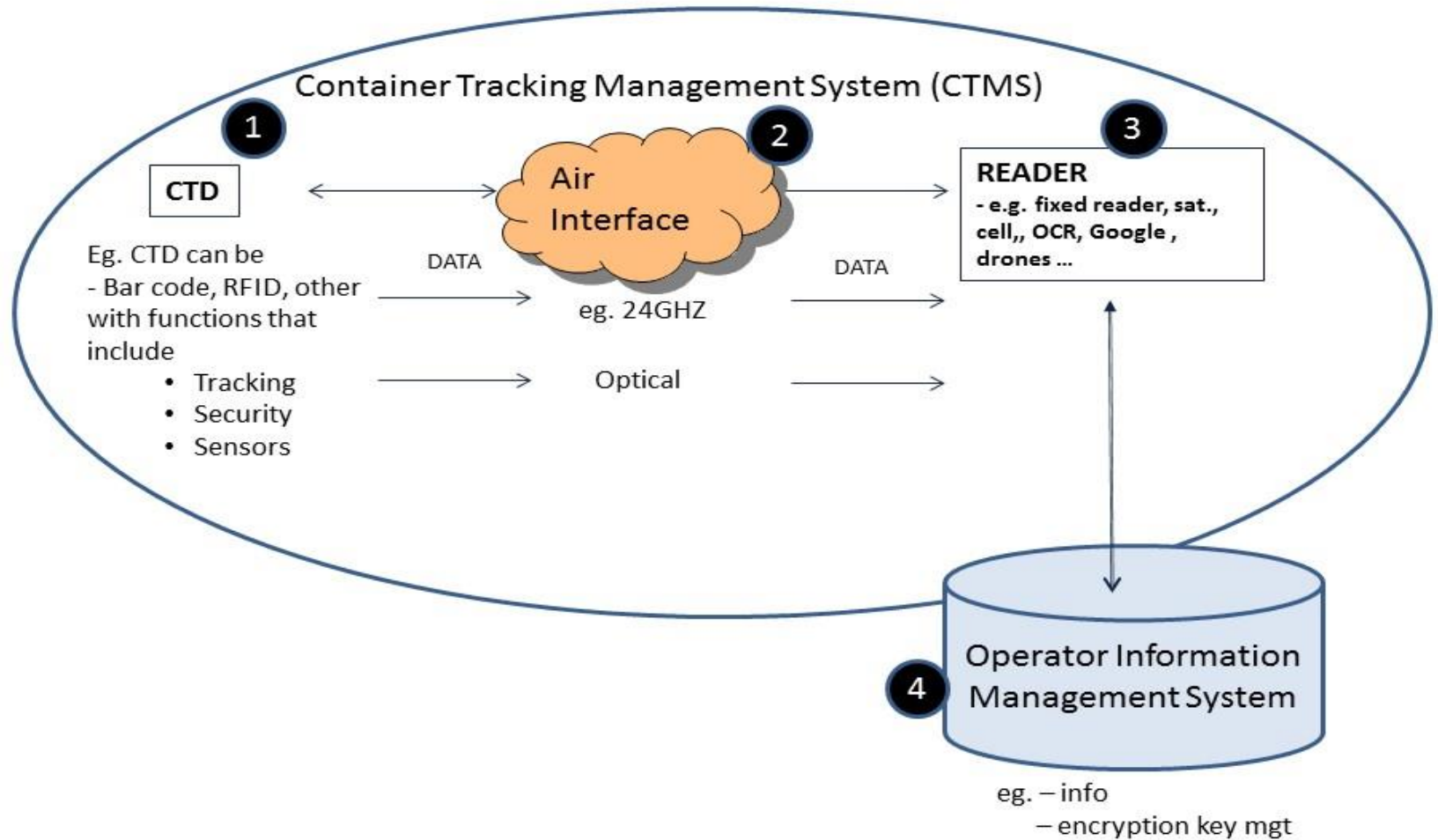
- ISO 18185-1:2007 Parts 1-5, Freight containers - Electronic seals
- ISO 18186:2011 Freight containers - RFID cargo shipment tag system



## **Under development:**

ISO 18625 Container Tracking Management System  
(CTMS)

First part, ISO 18625-1, Requirements





## Contents of ISO WD 18625

- 1 Scope
- 2 Normative references
- 3 Terms and definitions
- 4 **Container Tracking and Monitoring System (CTMS) – General information**
  - 4.1 System architecture
  - 4.2 System functions
  - 4.3 System operation
  - 4.4 System interfaces
  - 4.5 System data management
  - 4.6 System safeguard measures
  - 4.7 Levels of performance



## **5 CTMS System-level requirements**

### 5.1 Operational scenarios

#### 5.1.1 Tracking scenarios

#### 5.1.2 Monitoring scenarios

### 5.2 Specific system requirements

#### 5.2.1 Physical/structural requirements

#### 5.2.2 Environmental requirements

#### 5.2.3 Operational requirements – tracking applications

#### 5.2.4 Operational requirements – monitoring applications

### 5.3 Accuracy and reliability of the system

## **6 Container Tracking Device (CTD) / Container Monitoring Device (CMD)**

### 6.1 General device information

### 6.2 Device installation / mounting

### 6.3 Data content and format



## **6 Container Tracking Device (CTD) / Container Monitoring Device (CMD)**

- 6.1 General device information
- 6.2 Device installation / mounting
- 6.3 Data content and format

## **7 Infrastructure elements**

- 7.1 Readers
  - 7.1.1 Types
  - 7.1.2 Functions
  - 7.1.3 Data interface(s)
  - 7.1.4 Specific reader requirements
- 7.2 Other infrastructure elements