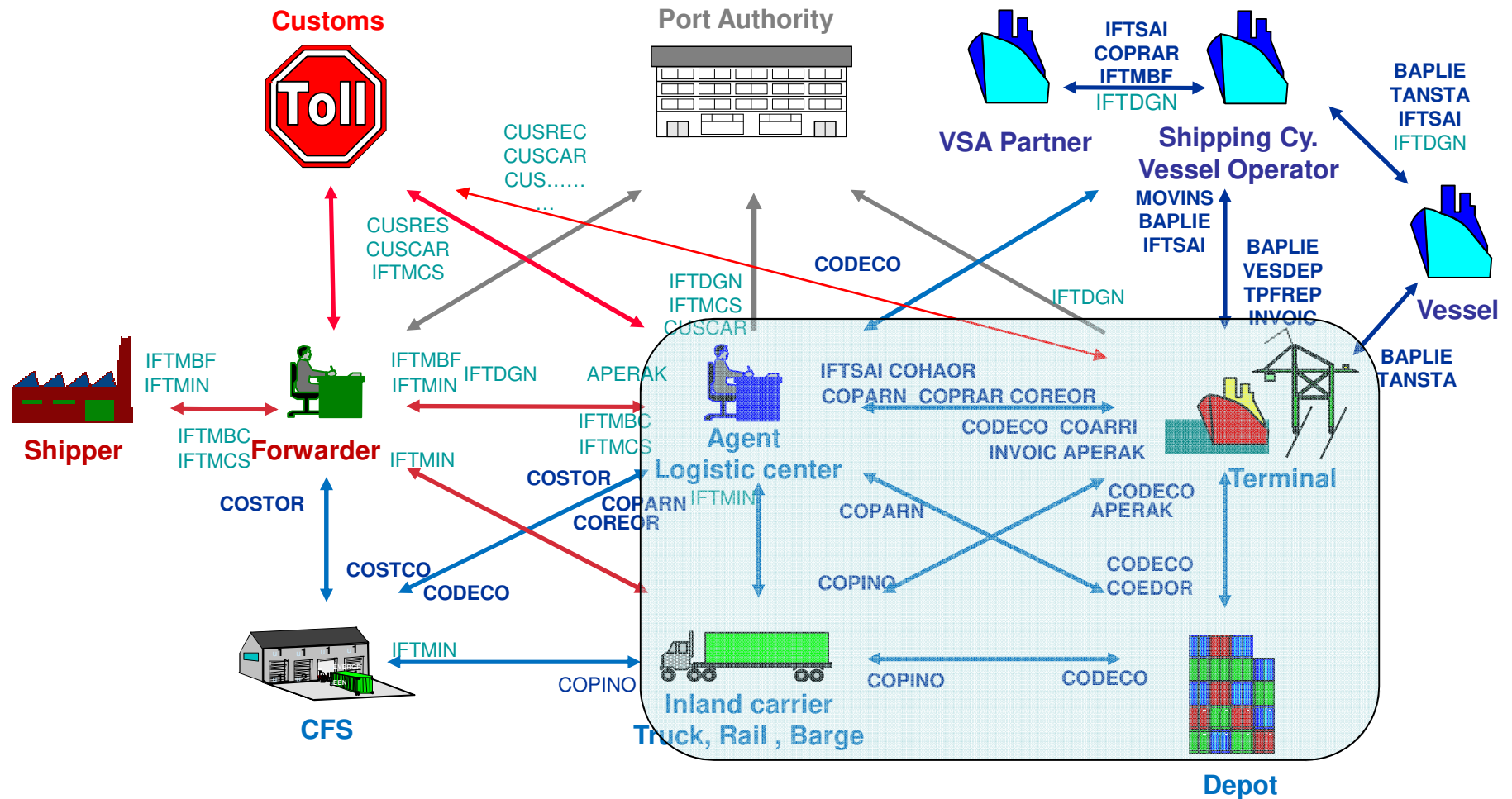# Container Messages
Rotterdam 2019

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Container Information Flow

Operational messages

Container messages

- **Work done**

- **(mis) interpretations possible**

- **Confusions**
  - Traps (Boilerplate <>Implem. Guide)
  - Non existing codes (yet)

- **Best Practices (JV)**
  - ITIGG, better guides – COPRAR discharge

- **Survey – D.95B – D.00B**

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Work Done

- **COPINO – correction TDT switch**
- **COREOR – AGO 2nd release (for scanning)**
- **CODECO/COARRI – Vent Seal**

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Issues

- **Terminology – avoid confusion**
  - **Carrier <> Vessel operator,**
  - **Vessel sharing agr. partner <> co-loader**
  - **Slot owner - Slot charterer**
  - **Box operator <> Container operator <> (Shipping) Line**
  - **Service <> Loop <> Shipping line service**
  - **Transport Equipment**

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Issues

- **Hierarchical consequences**
  - **HDR – applies to whole message**
    - **TDT → TDT.LOC applies to the vessel**
  - **DTL-GID**
    - **MEA – G : Gross weight is NETT weight container**
  - **DTL-EQD**
    - **MEA – G : Gross weight is GROSS weight container (versus EGW)**
  - **DTL-EQD.TDT**
    - **LOC applies to the on-transport – not the container**

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Issues

- **Multimodal - generic**
  - **Abstract**
    - **Necessary**

      but sometimes
    - **Confusion**
  - **Means of Transport**
  - **Mode of Transport**
  - **Transport Equipment**

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Issues

- **Transport equipment**
  - SMDG
    - **Container, Lorry, …**
      - **OR**
    - **Reachstacker, Straddle Carrier, …**

  - ➔ SMDG = Container
  - ➔ Some interprete this as motorized eq.

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Issues

- **Transport equipment**
  - **General**
    - **Transport equipment is used to move material from one location to another (e.g., between workplaces, between a loading dock and a storage area, etc.) within a facility or at a site.**

    - **?**

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Issues

- **Transport equipment**

  - ### GS1

    - **Transport Equipment is defined as a piece of high-value equipment used to hold, protect or secure cargo for transportation purposes. Reusable secondary packaging and reusable load carriers are excluded.**

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Issues

- **Transport equipment**
  - New UN/IMO initiative
  - ➔ CTU - CARGO TRANSPORT UNIT

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Issues

- **CTU**
  - IMO/ILO/UNECE Code of Practice for Packing of Cargo Transport Units (CTU Code)
  - A freight container, swap body, vehicle, railway wagon or any other similar unit in particular when used in intermodal transport.
  - CTU Code IMO/ILO/UNECE Code of Practice for Packing of Cargo Transport Units (CTUs).

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Issues

- **CTU**
  - http://www.unece.org/fileadmin/DAM/trans/doc/2014/wp24/CTU_Code_January_2014.pdf
  - http://www.imo.org/en/OurWork/Safety/Cargoes/CargoSecuring/Pages/CTU-Code.aspx

Issues

- **Interpretations**
  - **Change management**
  - **Codes: LOC, RFF, NAD, …**
  - **LOC**
    - **Place of Destination**
    - **Port of Destination**
    - **Stowage Port of Destination**

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Identifying main issues

- **For version D.95B !**
  - **Why D.95B**
    - **Most spread**
    - **Lot of issues**

- **Change management**

- **Interpretation of**
  - **Location codes**
  - **References**
  - **Weights**
  - **...**

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Issues

- **UNB**
  - **Character set - nobody cares**
- **UNH**
  - **Assciation Assigned code – value?**
- **BGM**
  - **1225 9, 2, 3, 4 – 5, 1 – 33, 36**
- **RFF**
  - **Reference to previous message**

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Issues

- **TDT**
  - **Main transport**
  - **Co-loaders voyage info**
- **LOC**
  - **Related to the vessel**

Issues

- **GID**
  - **MEA describing the weight**
    - **Gross weight of the goods**
  - **SGP link with EQD group**

Issues

- ## EQD (GROUP)

  - ### 8155 Equipment size and type identification

    - Shippers owned containers

    - Request Empty out on general type

    - Discrepancy in COPRAR Load with value on yard (mainly feeders)

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Issues

RFF qualifiers (COPRAR)

- **AAY**   Carrier's agent reference number

- **ABT**   Customs declaration number

- **BN**   Booking reference number

- **CV**   Container operators reference number

  To be used for DG reference number according to DG reference number in stowage instructions

- **EQ**   Alternate equipment number

  To be used in the event that an alternative equipment number is to be quoted in addition to the number in the EQD

- **VGR**   Transport equipment gross mass verification reference number

→ **BM - B/L?**

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Issues

RFF qualifiers (COPARN)

- *[ACD]*   **Additional Reference Number**
- *[ANN]*   ***Transport Equipment Announcement Number***
- *[CPR]*   **Container Prefix**
- *[LPO]*   **Reference at Place of Positioning**
- *[LQR]*   **Lower Serial Number of Equipment Range**
- *[RSQ]*   **Referring Sequence Number**
- *[TCR]*   **Transport Costs Reference**
- *[UQR]*   **Upper Serial Number of Equipment Range**
- *[VLN]*   **Vehicle Licence Number**
- *BT* **Batch Number**
- *CN*   **Carrier's Reference Number**
- *CT*   **Contract No**
- *CV*   ***Container Operator's Reference No***
- *ER*   **Container/equipment Receipt Number**
- *SQ*   ***Container Sequence Number***
- *TF*   **Transfer Number**
- *VT*   **Motor Vehicle Identification Number**
- *[BU]*   **Equipment Bundle ID Number (stacked flatracks)**

→ BN?

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Issues

LOC qualifiers

- *9*   **Operational Port of loading**
- *11*   **Operational Port of discharge**
- *13*   **Place of Transhipment**
- *15*   **Place of transfer of responsibility**
- *98*   **Place of empty equipment despatch**
- *147*   **Stowage Cell**
- *154*   **On-hire Location**
- *155*   **Off-hire location**
- *[163]*   **Place of Destination for Stowage Purposes**
- *5*   **Place of Departure**
- *8*   **Place of Destination**
- *[DIL]*   **Direct Interchange Location**

Issues

MEA qualifiers

- [EAG]   **Transport Equipment Average Gross Weight**
- [TGW]   **Total Transport Equipment Gross Weight**
- G   **Gross Weight (excluding carrier's equipment)**
- EGW   **Gross Weight (including carrier's equipment)**
- MW   **Maximum Weight (max CSC gross weight)**
- AAL   **Actual Net Weight**
- T   **Tare Weight**

- AAW   **Gross Volume (maximum cubic capacity)**
- ABJ   **Volume**

➔ **define carrier's equipment**

Issues

- ## Qualifiers
  - ### Not all clear if message has multiple functions
  - ### Interpretations possible
  - ### Contradiction with other standard documents creating confusion
  - ### Non official codes

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Issues

- **FTX segment – too much functions**

  - **Invoice Instructions (INV)**

  - **Other Service Information (OSI) -** specific instructions relating to the preparation

  - **Indication of Damage Condition (DAR)**

  - **Current Equipment Condition (ABS) -** report on the current condition and/or status of a container, including confirmation of HAN

  - **Handling Instructions (HAN) -** instructions on action to be taken

    - More than one stowage instruction

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Issues

- **Move to ATT – Attribute Segment ?**
  - **(Required) Status via ATT segment**
    - **Foodgrade, …**
    - **Not FTX+xxx**
  - **Actions via HAN segment**

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Issues

- **Different EQD appearance formats**
  - **EQD & EQN**
  - **EQD, EQD, EQD repetition same info**
  - **EQD1, EQD2, EQD3**
  - **EQD & RFF+SQ**
    - **No container id**
    - **Container id → same RFF+SQ**
    - **SQ preferably number**

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95% still D.95B (!?)

- **D.00B Messages**
  - Better quality messages
  - Have all extra information included already in the guidelines
  - Official qualifier codes
  - Does have full support for DGS

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Analysis Best Practice

- **Method analysis message structure**

- **Check:**

  1. **Smdg guidelines**

  2. **Itigg Transport Equipment Movements**

  3. **Itigg general recommendations**

  4. **UN/Edifact message boilerplate**

     Include in guideline?

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Analysis Best Practice

- **Method analysis data element value/code**

- **Check:**

  1. **Version D.95B – mainly provisional codes**

  2. **Version D.00B – official codes!**

  3. **Version D.19A/B**

  4. **Request SMDG**

     - **SMDG to discuss business wise**

     - **Request value UNECE**

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Why not going to next version?

- **D.00B/D.19A Messages**
  - No Budget ?
  - Too much testing ?
    - On the go
  - Wait for webservices ?
  - Other

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Missing functionalities

- **Your input?**

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