

**TR 128:2024**  
(ICS 55.180.10)

**TECHNICAL REFERENCE**

# **Common data standard for container logistics flow**

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## Contents

	Page
Foreword _____	4
1 Scope _____	5
2 Normative references _____	5
3 Terms and definitions _____	5
4 Abbreviations _____	6
5 Overview of container logistics data ecosystem _____	7
6 Electronic delivery order (EDO) _____	11
7 Storing order _____	15
8 Vessel load or discharge schedule _____	16
9 Port timeslot booking _____	17
10 Haulier port entry and exit _____	19
11 Depot timeslot booking _____	20
12 Haulier location status (via GPS) _____	21
13 Haulier depot entry and exit _____	22
14 Container release order _____	23
15 Bill of lading _____	25
16 Electronic shipment notice _____	27

## Tables

1 Description of data providers _____	7
2 Datasets transmitted during container flow _____	8
3 Key to document specifications _____	10
4 Shading key for multi-level datasets _____	11
5 Field definitions in electronic delivery order _____	12
6 Field definitions in storing order _____	15
7 Field definitions in vessel load or discharge schedule _____	16
8 Field definitions in port timeslot booking _____	18
9 Field definitions in haulier port entry or exit _____	19
10 Field definitions in depot timeslot booking _____	20
11 Field definitions in haulier location status _____	21
12 Field definitions in haulier depot entry and exit _____	22
13 Field definitions in container release order _____	23
14 Field definitions in bill of lading _____	25
15 Field definitions in electronic shipment notice _____	27

**Figures**

1	Inbound container flow showing source of datasets _____	9
2	Outbound container flow showing source of datasets _____	9
3	Container repositioning flow and supporting data _____	10
Bibliography _____		29

## Foreword

This Technical Reference (TR) was prepared by the Working Group on Common Data Standard for Container Logistics Flow set up by the Technical Committee on Logistics under the purview of the Trade and Connectivity Standards Committee.

This TR establishes common datasets to be transmitted with the container logistics ecosystem to facilitate development of software applications that support the track and trace of shipping containers.

This TR is a provisional standard made available for application over a period of three years. The aim is to use the experience gained to update the TR so that it can be adopted as a Singapore Standard. Users of the TR are invited to provide feedback on its technical content, clarity and ease of use. Feedback can be submitted using the form provided in the TR. At the end of the three years, the TR will be reviewed, taking into account any feedback or other considerations, to further its development into a Singapore Standard if found suitable.

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## Common data standard for container logistics flow

### 1 Scope

This TR defines a common data standard (CDS) for the shipping container logistics ecosystem, from port to warehouse to depot. Sea transshipments are not included in this logistics ecosystem.

The data standard defines key datasets, including data elements, field names and definitions, used for import, export and repositioning flows. This data standard is applicable to both carrier-owned containers (COC) and shipper-owned containers (SOC).

### 2 Normative references

There are no normative references in this standard.

### 3 Terms and definitions

For the purposes of this Technical Reference, the following terms and definitions apply.

#### 3.1 Actor

Party that performs an action such as transporting, handling, storing, or providing a status update, during the container logistics flow. Actors can include freight forwarders, shippers, hauliers, container depot operators, and port operators.

#### 3.2 Carrier

Owner or operator of a vessel carrying cargo.

#### 3.3 Consignee

Final recipient of the container shipment. In this ecosystem, the consignee provides updates upon receiving the shipment.

#### 3.4 Consignor

Party that initiates the shipment of the container and makes the carrier booking, also referred to as the shipper. In this ecosystem, the consignor provides the carrier booking information.

#### 3.5 Container depot

Facility where empty containers are stored while waiting to be booked for use in a shipment.

#### 3.6 Container operator

Party that owns or has leased the container at the point of interchange.

#### 3.7 Haulier

Service provider who transports containers by road.