
**Freight containers — Container
equipment data exchange (CEDEX) —
Part 6:
Message sets for data transfer
between local computer and host
computer**

*Conteneurs pour le transport de marchandises — Échange de données
sur les équipements de conteneurs (CEDEX) —*

*Partie 6: Ensembles de messages pour le transfert de données entre
l'ordinateur local et l'ordinateur hôte*





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ISO copyright office
Ch. de Blandonnet 8 • CP 401
CH-1214 Vernier, Geneva, Switzerland
Tel. +41 22 749 01 11
Fax +41 22 749 09 47
copyright@iso.org
www.iso.org

Contents

Page

Foreword	iv
1 Scope	1
2 Normative references	1
3 Terms and definitions	2
4 Principle	2
5 Message description and file structure	2
5.1 Message description.....	2
5.1.1 General.....	2
5.1.2 Position column.....	2
5.1.3 Width column.....	2
5.1.4 Type column.....	3
5.1.5 Value column.....	3
5.1.6 Party addresses.....	3
5.1.7 Disallowed characters.....	3
5.2 Message file structure.....	3
5.2.1 Work ESTIMate header (WESTIM).....	3
5.2.2 Work ESTIMate DeTail (WESTIMDT).....	6
5.3 Updating data elements.....	8
Annex A (normative) Code — Party identification and location	9
Bibliography	10

Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established has the right to be represented on that committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

The procedures used to develop this document and those intended for its further maintenance are described in the ISO/IEC Directives, Part 1. In particular the different approval criteria needed for the different types of ISO documents should be noted. This document was drafted in accordance with the editorial rules of the ISO/IEC Directives, Part 2 (see www.iso.org/directives).

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. ISO shall not be held responsible for identifying any or all such patent rights. Details of any patent rights identified during the development of the document will be in the Introduction and/or on the ISO list of patent declarations received (see www.iso.org/patents).

Any trade name used in this document is information given for the convenience of users and does not constitute an endorsement.

For an explanation on the meaning of ISO specific terms and expressions related to conformity assessment, as well as information about ISO's adherence to the World Trade Organization (WTO) principles in the Technical Barriers to Trade (TBT) see the following URL: www.iso.org/iso/foreword.html.

The committee responsible for this document is ISO/TC 104, *Freight containers*, Subcommittee SC 4, *Identification and communication*.

This first edition of ISO 9897-6, together with ISO 9897-1, ISO 9897-2 and ISO 9897-5, cancels and replaces ISO 9897:1997, which has been technically revised with the following change:

- It has been split into parts to simplify and relate the technical content of each part to each type of container and also to harmonize the parts of ISO 9897 with the order of container types as contained in the parts of ISO 1496.

It also incorporates the Technical Corrigendum ISO 9897:1997/Cor 1:2001.

ISO 9897 consists of the following parts, under the general title *Freight containers — Container equipment data exchange (CEDEX)*:

- *Part 1: General communication codes for general purpose containers*
- *Part 2: Refrigerated containers*
- *Part 5: General communication codes for chassis*
- *Part 6: Message sets for data transfer between local computer and host computer*

Freight containers — Container equipment data exchange (CEDEX) —

Part 6:

Message sets for data transfer between local computer and host computer

1 Scope

This part of ISO 9897 specifies the general communication elements for container equipment data exchange (CEDEX).

This part of ISO 9897 establishes a guideline of data elements for transmission between container terminal or container depot computer systems and host computer systems. The purpose is to provide transmission of accurate and complete container maintenance and repair data to ensure efficiency and accountability (audit trail) related to such activities. The guidelines are also intended to provide seamless integration with any other standard data format for transmission to single or multiple remote host(s), as well as simple ex-/import processes within a system and/or between systems.

NOTE The data elements contained in this part of ISO 9897 are supplement to the generic codes as contained in other parts of ISO 9897 and includes therefore the necessary data for the transmission of specific information related to refrigerated containers, tank containers, chassis, etc. These data elements are provided to control data transmission, as well as to identify equipment manufacturer, model designation, serial number, spare part number, etc. This allows the users of ISO 9897 to designate same component codes for different manufacturer's equipment and to co-relate with each manufacturer's specific spare part numbers, as an example.

It consists of the following:

- data element directory for the development of messages;
- message structure guideline for data transmission.

This part of ISO 9897 is applicable to all freight containers covered by ISO 668, ISO 1496-1, ISO 1496-2, ISO 1496-5 and ISO 8323 and is intended, wherever appropriate and practicable, to also be applied to freight containers other than those covered by these International Standards, as well as other types of container-related equipment, such as chassis, etc.

This part of ISO 9897 is to be used in conjunction with ISO 9897-1, ISO 9897-2 and ISO 9897-5.

It is intended for business entities for use in communications relating to freight container transactions.

The content of the message sets in this part of ISO 9897 are designed to provide simple interface with the UN/CEFACT messages published as the United Nations Directories for Electronic Data Interchange for Administration, Commerce and Transport (UN/EDIFACT message sets), Joint Transport Group (JM4). The relevant Directory is DESTIM.

2 Normative references

The following documents, in whole or in part, are normatively referenced in this document and are indispensable for its application. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

ISO 6346, *Freight containers — Coding, identification and marking*