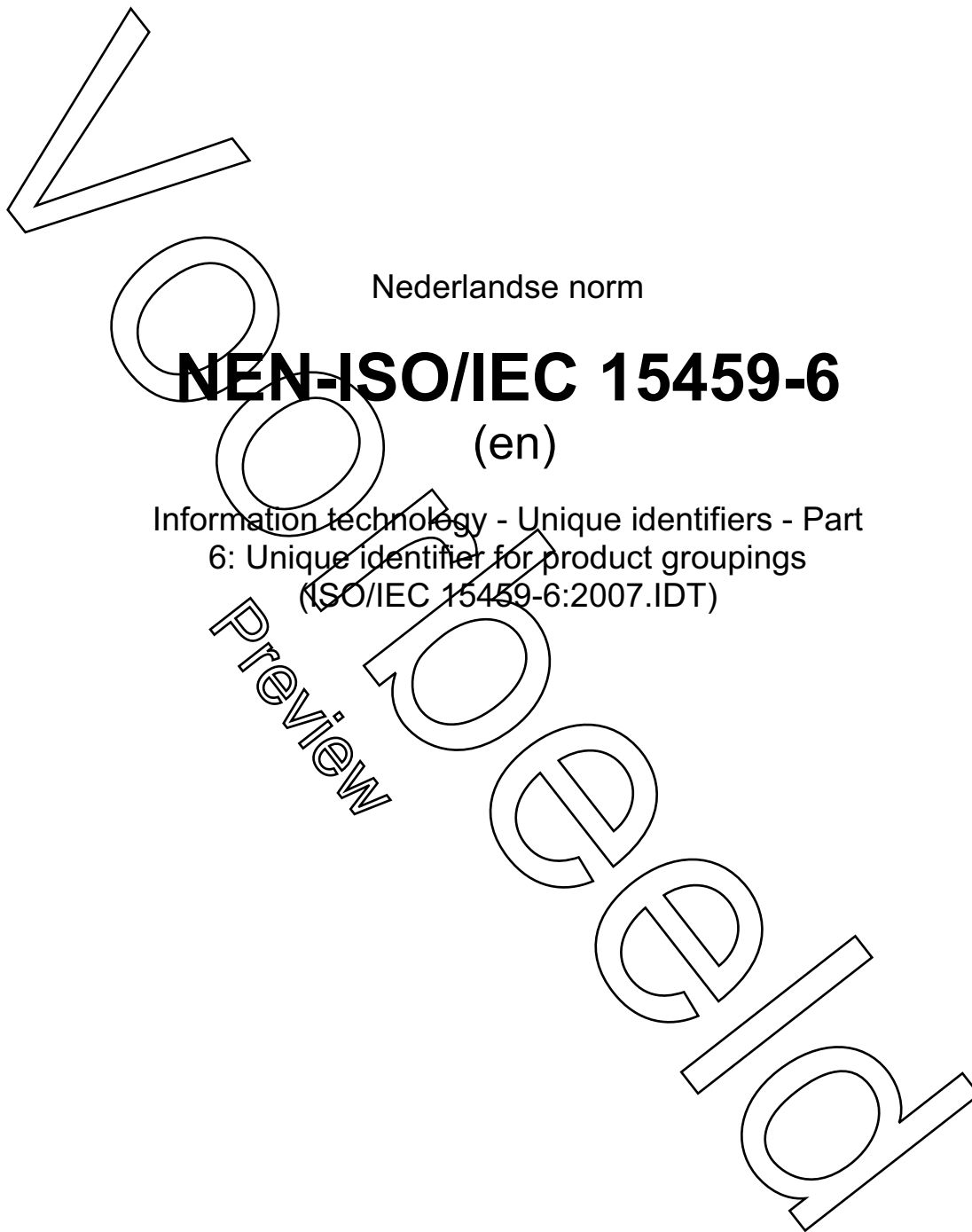


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Nederlandse norm

# **NEN-ISO/IEC 15459-6**

(en)

Information technology - Unique identifiers - Part  
6: Unique identifier for product groupings  
(ISO/IEC 15459-6:2007.IDT)

ICS 35.040  
juni 2007

Als Nederlandse norm is aanvaard:

- ISO/IEC 15459-6:2007.IDT

VOORBEELD  
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Normcommissie 381 043 "Automatische identificatie"

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**Information technology — Unique  
identifiers —**  
**Part 6:  
Unique identifier for product groupings**

*Technologies de l'information — Identificateurs uniques —  
Partie 6: Identificateur unique pour les regroupements de produits*

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## Foreword

ISO (the International Organization for Standardization) and IEC (the International Electrotechnical Commission) form the specialized system for worldwide standardization. National bodies that are members of ISO or IEC participate in the development of International Standards through technical committees established by the respective organization to deal with particular fields of technical activity. ISO and IEC technical committees collaborate in fields of mutual interest. Other international organizations, governmental and non-governmental, in liaison with ISO and IEC, also take part in the work. In the field of information technology, ISO and IEC have established a joint technical committee, ISO/IEC JTC 1.

International Standards are drafted in accordance with the rules given in the ISO/IEC Directives, Part 2.

The main task of the joint technical committee is to prepare International Standards. Draft International Standards adopted by the joint technical committee are circulated to national bodies for voting. Publication as an International Standard requires approval by at least 75 % of the national bodies casting a vote.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. ISO and IEC shall not be held responsible for identifying any or all such patent rights.

ISO/IEC 15459-6 was prepared by Joint Technical Committee ISO/IEC JTC 1, *Information technology*, Subcommittee SC 31, *Automatic identification and data capture techniques*.

ISO/IEC 15459 consists of the following parts, under the general title *Information technology — Unique identifiers*:

- Part 1: *Unique identifiers for transport units*
- Part 2: *Registration procedures*
- Part 3: *Common rules for unique identifiers*
- Part 4: *Unique identifiers for supply chain management*
- Part 5: *Unique identifier for returnable transport items (RTIs)*
- Part 6: *Unique identifier for product groupings*

## Introduction

Unique identifiers can occur at many different levels in the supply chain, at the transport unit, at the item level, at the returnable transport item, at the product and/or material level, at the product and/or material grouping level, and elsewhere. Such distinct entities are often handled by several parties: the manufacturer, the wholesaler, the retailer, the consumer, related governmental agency, etc. Each of these parties must be able to identify and trace the product grouping so that reference can be made to associated information such as quality inspection data, the chemical substance to contain, the batch or lot number of parts, components or raw materials, etc.

The information is often held on computer systems, and may be exchanged between parties involved via EDI (Electronic Data Interchange) and XML (eXtensible Markup Language) messages.

There are considerable benefits if the identity of the product grouping is represented by linear bar code and two-dimensional symbols, radio frequency identification (RFID) transponder or other automatic identification and data capture (AIDC) media and attached to or made a constituent part of that which is being uniquely identified so that

- it can be read electronically, thus minimising errors;
- one identity can be used by all parties;
- each party can use the identity to look up its computer files to find the data associated with the product grouping;
- the identifier is unique within the class and cannot appear on any other grouping within the class during the lifetime of the product grouping.

The unique identifier for product grouping defined in this part of ISO/IEC 15459, and represented by linear bar code and two-dimensional symbols, RFID transponder or other AIDC media attached to the entities (e.g. raw material, parts, work in progress, finished goods, certain consumer products), meets these needs.

All AIDC technologies have the potential to encode a unique identifier. It is expected that application standards for items, using various automatic identification technologies, will be developed based upon the unique identifier as a prime key. These application standards may be made available from the Issuing Agency.

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