International

ISO 22742

Packaging — Linear bar code and two-dimensional symbols for product packaging

Emballages — Code-barres linéaire et symboles bidimensionnels pour emballage de produits

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This document was prepared by Technical Committee ISO/TC 122, *Packaging*.

This third edition cancels and replaces the second edition (ISO 22742:2010), which has been technically revised.

The main changes are as follows:

— added URL formats;

— preference on formats with concatenated fields;

— preference on 2D matrix symbologies.

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Bar code marked product package labels are in widespread use in global industries. A number of different standards exist, each designed to meet the requirements of that specific industry sector. For effective and economic use within and between industry sectors, one common multi industry standard is a necessity.

A bar code marked product package label is designed to facilitate the automation of inventory, distribution, repair and point of purchase operations. The bar code information on the product package label can be used as a key to access the appropriate database, which contains detailed information about the product including information transmitted via electronic data interchange (EDI). In addition, a product package label can contain other information as agreed between the trading partners.

Two dimensional symbols can be included to assist moving greater amounts of product data from sender to recipient.

Labelers can include a code containing a URL on product package for marketing and information purposes by the labeler to enable direct access via smart phone.

Whereas ISO 15394[2] is intended to support the transportation function within the supply chain (e.g. from the shipping dock, through the transportation processes, and to the receiving dock) and ISO 28219[9] handles marking of the product itself, this document is intended to support the logistic functions preceding and following transportation. At the origin point, this document is designed for use from manufacture to storage, to picking and packing, to delivery to the shipping dock, and all associated inventory processes. At the destination point, it is designed for use from the receiving dock to order checking, to storage, to consumption, and to all associated inventory processes and reverse logistic processes.