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Footwear — Sizing — Conversion of sizing systems

Chaussures — Pointures — Conversion des systèmes de pointures

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Foreword

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This document was prepared by Technical Committee ISO/TC 137, *Footwear sizing designations and marking systems*.

This first edition of ISO 19407 cancels and replaces ISO/TS 19407:2015, which has been technically revised.

The main changes are as follows:

— Subclause 4.3 update.

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Footwear — Sizing — Conversion of sizing systems

1 Scope

This document provides three shoe size conversion tables covering the major shoe sizing systems (Mondopoint, European and United Kingdom), as well as China, Japan, the Republic of Korea and United States. The tables are based on measurement of foot length, this being the logical starting point for any shoe size marking system. The tables contain the following information:

Table 1 — Adults' technical shoe size conversion;

Table 2 — Adults' recommended shoe size marking (simplified);

Table 3 — Children's size conversion.

NOTE Due to the different ways in which each system has been developed and interpreted over many years without being formalized and the absence of solution to the problem of shoe size conversions, Tables 1 and 2 provide a guideline which can benefit the consumer.

2 Normative references

There are no normative references in this document.

3 Terms and definitions

No terms and definitions are listed in this document.

ISO and IEC maintain terminology databases for use in standardization at the following addresses:

— ISO Online browsing platform: available at https://www.iso.org/obp

— IEC Electropedia: available at https://www.electropedia.org/

4 Size marking

4.1 General

There are three main sizing systems (Mondopoint, European and UK). As there are fundamental differences between them, they have been aligned to a common denominator: foot length. Foot length is deemed to be the key reference point when fitting footwear. Customers' foot length can be readily measured and shoes marked with a designation that indicates the appropriate shoe size that will accommodate their foot length. Customers expect to buy the same size of footwear irrespective of the footwear type or style.

NOTE To check that size marking is correct requires a practical fit assessment of footwear whereby subjects having appropriate foot lengths for the marked size on the footwear and the available toe allowance and foot width allowance is assessed for satisfactory fit. This document, however, does not assess the overall fitting properties of footwear, i.e. it does not cover width, volume, toe depth, etc.

4.2 Adults' technical shoe size conversion

a) The Mondopoint system is defined in ISO 9407 and is based on foot length. The size grading intervals used with Mondopoint are given in DIN 66074-2:1975 as 5 mm (Range 1) or 7,5 mm (Range 2), both starting at zero. In practice, 10 mm intervals are commonly referred to as whole

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