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Clothing — Digital fittings — Vocabulary and terminology used for the virtual garment

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National foreword

This British Standard is the UK implementation of ISO 18163:2016.

The UK participation in its preparation was entrusted to Technical Committee TCI/66/-/3, Clothing sizing systems.

A list of organizations represented on this committee can be obtained on request to its secretary.

This publication does not purport to include all the necessary provisions of a contract. Users are responsible for its correct application.

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Contents

Page

Foreword ..... **iv**
Introduction ..... **v**
1 Scope **1**
2 Terms and definitions **1**
Annex A (informative) **Example of notation of virtual garment information** **8**
Annex B (informative) **Example of data structure of virtual garment models** **9**
Bibliography **15**

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Foreword

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The committee responsible for this document is ISO/TC 133, *Clothing sizing systems — Size designation, size measurement methods and digital fittings*.

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Introduction

This International Standard deals with virtual garments for digital fitting.

Various types of virtual garment-based IT/fashion convergence technology are being attempted today, in response to the rapid development of the vast online fashion market, including the internet, smart phones, smart TVs, and virtual fittings at bricks-and-mortar stores. Meanwhile, the increased demand for ubiquitous fashion business services is encouraging efforts to innovate with regard to the traditional processes of planning, production and sales. The use of digital technology in the modern international apparel industry is leading to the use of three-dimensional information for fashion products. These products reflect appearance, design and texture characteristics of garments. It is envisaged that consumers will be able to go online anytime, anywhere, to try on clothes, evaluate the style and fit and place orders. Despite such advances, there is no International Standard related to virtual garments.

The purpose of this International Standard is to specify the data attributes and formats required for the creation of virtual garments, facilitating clear and synchronized communication of terminology.

This International Standard provides a platform that unifies specified vocabulary and terminology for the development of virtual garment systems. In addition, online consumers, fashion designers, manufacturers and retailers will be able to become familiar with and make use of this vocabulary.

NOTE Measurements of the body and garments are in millimetres (mm). Upward direction corresponds to the +y-axis (height), a leftward direction to the +x-axis (width), and a forward direction to the +z-axis (depth). The origin of body and garment is X = 0, Y = 0, Z = 0 in local coordinates; the common import/export formats for body and garment is dxf format.

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