



DRAFT INDIAN STANDARD IN WIDE CIRCULATION

Reference : 25333

Date : 22 April 2024

TECHNICAL COMMITTEE : Ergonomics, PGD 15

To,

All concerned

Dear Madam/Sir,

The following document has been prepared by the Ergonomics Sectional Committee, PGD 15. Please [click here](#) to view the document.

Document Number : PGD 15 (25333) WC

Title of the document : Ergonomics 3-D scanning methodologies for internationally compatible anthropometric databases : Part 2 Evaluation protocol of surface shape and repeatability of relative landmark positions

Document Type : Revision of Indian Standard (IS 17030 : Part 2 : 2019)

This document has following salient features which may require specific attention for your valuable comments:

- 1) This document establishes protocols for testing of 3-D surface-scanning systems in the acquisition of human body shape data and measurements. It does not apply to instruments that measure the motion of individual landmarks.*
- 2) This document covers whole-body scanners and also applies to body-segment scanners (e.g., head, hand, foot scanners) that measure the human body in a single view. It addresses issues such as errors introduced by human operators and movement artifacts in rotated participant scans. It focuses on landmark positions determined by anthropometrists rather than software-generated ones. Scanner and human performance affect the quality of body surface shape and landmark positions. The document evaluates scanner systems using artifacts instead of human participants and emphasizes the need for accuracy comparable to traditional instruments. It targets users, data consumers, and designers/manufacturers of 3-D body scanners, aiming to establish performance standards and agreements among stakeholders.*

Please examine the document and share your comments regarding further improvement in the document.

Last date for sharing the comments is : 25 June 2024

The comments should be shared in the prescribed template through this portal only; and the comments so received shall be taken up by the Sectional Committee for necessary action. For any other query, please write an email at pgd@bis.gov.in to the undersigned at Bureau of Indian Standard, Manak Bhawan, 9, Bahadur Shah Zafar Marg, New Delhi.

In case no comments are received, we would presume your approval of the documents. However, in case we receive any comments on the document, the same shall be put up to the Sectional Committee for necessary action.

Thanking You,

Yours faithfully,
(RAJEEV RANJAN SINGH)
Head (Production and General Engineering Department)
Email: pgd@bis.gov.in



व्यापक परिचालन में मसौदा(दे)

हमारा सन्दर्भ : 25333

दिनांक : 22-04-2024

तकनीकी समिति : Ergonomics Sectional Committee, PGD 15

प्राप्तकर्ता : रूचि रखने वाले सभी निकाय

महोदय/या,

निम्नलिखित मसौदा तैयार किया गया है :

प्रलेख संख्या : PGD 15 (25333) WC

शीर्षक :

कृपया इस/इन मानक(को)/संशोधन(नो) के मसौदे(दो) का अवलोकन करें और अपनी सम्मतियाँ यह बताते हुए भेजें कि यदि ये मानक(को) के संशोधन(नो) के रूप में प्रकाशित हो तो इन पर अमल करने में आपके व्यवसाय अथवा कारोबार में क्या कठिनाइयां आ सकती हैं।

सम्मतियाँ भेजने की अंतिम तिथि : 25 June 2024

सम्मतियाँ, यदि कोई हों तो, कृपया यहाँ क्लिक करके ऑनलाइन पोर्टल के माध्यम से ऊपर दी गयी अंतिम तिथि तक दर्ज कराएं।

यह/ये प्रलेख भारतीय मानक ब्यूरो की वेबसाइट www.bis.gov.in पर भी उपलब्ध है/हैं।

धन्यवाद।

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