Doc No. : LITD 33 (24133) Draft IS/ IEC 63203-406-1:2021 February 2024

BUREAU OF INDIAN STANDARDS

DRAFT FOR COMMENTS ONLY

(Not to be reproduced without the permission of BIS or used as an Indian Standard)

मसौदा भारतीय मानक

पहनने योग्य विद्युत उपकरण एवं प्रौदयोगिकियां – भाग 406: मानव त्वचा से संपर्क के दौरान रिस्ट-अनुभाग 1: वॉर्न पहनने योग्य विद्युत उपकरण का सतही तापमान मापन की परीक्षण विधियां

Draft Indian Standard

Wearable electronic devices and technologies —
Part 406: Test method for measuring surface temperature of
wrist- Section 1: worn wearable electronic devices while in
contact with human skin

ICS 31.020

LITD 33-Wearable Electronic Devices and Technologies Sectional Committee

Last date for comments: 9 March 2024

Doc No. : LITD 33 (24133) Draft IS/ IEC 63203-406-1:2021 February 2024

NATIONAL FOREWORD

(Formal clauses to be added later)

This Draft Indian Standard Part 406/Sec 1 which is identical with IEC 63203-401-1:2023 Wearable electronic devices and technologies –Part 406-1: Test method for measuring surface temperature of wrist-worn wearable electronic devices while in contact with human skin' issue by the Electrotechnical Commission (IEC) will be adopted by the Bureau of Indian Standards on the recommendation of Wearable Electronic Devices and Technologies Sectional Committee LITD 33 and approval of the Electronics and Information Technology Division Council.

The text of IEC Standard may be approved as suitable for publication as an Indian Standard without deviations. Certain conventions are however not identical to those used in Indian Standards. Attention is particularly drawn to the following:

- a) Wherever the words 'International Standard' appears referring to this standard, they should be read as 'Indian Standard'.
- b) Comma (,) has been used as a decimal marker while in Indian Standards, the current Practice is to use a point (.) as the decimal marker.

In this adopted standard, reference appears to certain International Standards for which Indian Standards also exist. The corresponding Indian Standards, which are to be substituted in their places, are listed below along with their degree of equivalence for editions indicated. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies:

International Standard	Indian Standard	Identical
IEC 62368-1:2018	IS/IEC 62368-1 : 2018 Audio /	
Audio/video, information and	Video, Information and	Identical with IEC 62368-1: 2018
communication technology	Communication Technology	
equipment – Part 1:	Equipment Part 1 Safety	2018
Safety requirements	Requirements (First Revision)	

For the purpose of deciding whether a particular requirement of this standard is complied with, the final value, observed or calculated, expressing the result of a test or analysis, shall be rounded off in accordance with IS 2:2022 'Rules for rounding off numerical values (Second Revision)'. The number of significant places retained in the rounded off value should be same as that of the specified value in this standard

SCOPE of IEC 63203-406-1:2021

This part of IEC 63203 defines the terms, definitions, symbols, configurations, and test methods to be used to specify the standard measurement conditions and methods for determining the contact-surface temperature of wrist-worn wearable electronic devices intended to be worn directly on a human wrist and that can be worn continuously during use. The conditions of the test do not consider perfusion and results are therefore considered conservatively. The temperature increase is induced by the thermal energy of wearable electronic devices during operation. This document gives the general procedure for the test method applicable to various wrist-worn wearable electronic devices for use by ordinary persons which in the context of this document is a healthy human adult.

Doc No. : LITD 33 (24133) Draft IS/ IEC 63203-406-1:2021 February 2024

Note: The Technical content of this document has not been enclosed as these are identical with the corresponding IEC Standard. For details please refer IEC 63203-406-1:2021 or kindly contact.

Head,

Electronics & IT Department Bureau of Indian Standards 9, B.S. Zafar Marg, New Delhi-110002 Email: litd@bis.gov.in, litd33@bis.gov.in

Tele: 011-236082**35**