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TECHNICAL REPORT



Power supplying scheme for wearable systems and equipment

INTERNATIONAL
ELECTROTECHNICAL
COMMISSION

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INTERNATIONAL ELECTROTECHNICAL COMMISSION

POWER SUPPLYING SCHEME FOR WEARABLE SYSTEMS AND EQUIPMENT

FOREWORD

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IEC TR 63071, which is a Technical Report, has been prepared by IEC technical committee 100: Audio, video and multimedia systems and equipment.

The text of this technical report is based on the following documents:

Enquiry draft	Report on voting
100/2751/DTR	100/2816/RVC

Full information on the voting for the approval of this technical report can be found in the report on voting indicated in the above table.

This document has been drafted in accordance with the ISO/IEC Directives, Part 2.

The committee has decided that the contents of this document will remain unchanged until the stability date indicated on the IEC website under "<http://webstore.iec.ch>" in the data related to the specific document. At this date, the document will be

- reconfirmed,
- withdrawn,
- replaced by a revised edition, or
- amended.

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INTRODUCTION

Wearable devices are being introduced into the market, but each device employs its own power charging method and power source device. Wearable devices are used to support human life and health. The duration and life of the power source, as well as easy charging and replacing of a power source, is a crucial factor for wearable devices that are primarily powered by batteries. A power generator is one solution for this power duration or life, since it provides power generated by user activities and/or also from environmental sources. Also, connectivity and compatibility of power and data transmission is important.

This Technical Report does not specify the power generating or energy harvesting methods and devices themselves, but focuses on interoperability and measurement methods of power-supplying devices and systems.

POWER SUPPLYING SCHEME FOR WEARABLE SYSTEMS AND EQUIPMENT

1 Scope

This document provides models and frameworks for the power-supplying scheme for wearable systems and equipment. This document does not specify power generating or energy harvesting methods and the devices themselves.

2 Normative references

There are no normative references in this document.