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INTERNATIONAL ELECTROTECHNICAL COMMISSION

**MULTIMEDIA SYSTEMS AND EQUIPMENT –
GUIDELINE FOR PICTURING ALARM SIGNALS OF A CAMERA BUILT
WITHIN MOBILE PHONE**

FOREWORD

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IEC XX, 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
XX/XX/DTR	XX/XX/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 publication has been drafted in accordance with the ISO/IEC Directives, Part 2.

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

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- withdrawn,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

The National Committees are requested to note that for this publication the stability date is

THIS TEXT IS INCLUDED FOR THE INFORMATION OF THE NATIONAL COMMITTEES AND WILL BE DELETED AT THE PUBLICATION STAGE.

INTRODUCTION

In addition to the major functionality of telephony, mobile phones include a number of functionalities, e.g., camera, browser, bar-code reader, etc. When a mobile phone is operated, therefore, the operator is usually recognized to be communicating and not to be taking a picture. However, some operators who are merely telephoning may be recognized to taking a picture.

To clarify the actual working of the mobile phone, some indications of taking pictures are required. Some existing mobile phones can give alarm signals in their camera working. But unfortunately the alarm signals are sometimes disturbed by environmental noises or not recognized as indication of taking picture.

The minimum specification for the alarm signals should be internationally recommended as a technical report, in order that the signals may be correctly recognized.

MULTIMEDIA SYSTEMS AND EQUIPMENT – GUIDELINE FOR PICTURING ALARM SIGNALS OF A CAMERA BUILT WITHIN MOBILE PHONE

1 Scope

This technical report (TR) provides a guideline for designing alarm signals that a camera built within mobile phones should give when taking a still picture or moving picture. The alarm signals are classified into illumination signals, sound signals, and verbal message signals. The guideline specifies the minimum conditions that the alarm signals should satisfy with, rather than the signals themselves.

2 Normative references

The following standards contain provisions which, through reference in this text, constitute provisions of this technical report. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

IEC 60601-1-8:2006, *Medical electrical equipment - Part 1-8: General requirements for basic safety and essential performance - Collateral standard: General requirements, tests and guidance for alarm systems in medical electrical equipment and medical electrical systems*

IEC 61672-1:2002, *Electroacoustics – Sound level meters – Part 1: Specifications*

3 Definitions

For the purposes of this technical report, the following definitions apply.

3.1

picturing alarm signal

alarm signal that indicate that a camera built within a mobile phone works for taking pictures

3.2

picturing illumination

visual alarm signal that indicate that a camera built within a mobile phone works for taking pictures

3.3

picturing sound

auditory alarm signal that indicate that a camera built within a mobile phone works for taking pictures

3.4

picturing message

verbal alarm signal that indicate that a camera built within a mobile phone works for taking pictures

4 Requirements for picturing alarm signals

TBD