
**Information technology — Screen icons
and symbols for personal mobile
communication devices**

*Technologies de l'information — Icônes et symboles d'écran pour
appareils de communication mobile personnels*

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Foreword

ISO (the International Organization for Standardization) and IEC (the International Electrotechnical Commission) form the specialized system for worldwide standardization. National bodies that are members of ISO or IEC participate in the development of International Standards through technical committees established by the respective organization to deal with particular fields of technical activity. ISO and IEC technical committees collaborate in fields of mutual interest. Other international organizations, governmental and non-governmental, in liaison with ISO and IEC, also take part in the work. In the field of information technology, ISO and IEC have established a joint technical committee, ISO/IEC JTC 1.

International Standards are drafted in accordance with the rules given in the ISO/IEC Directives, Part 2.

The main task of the joint technical committee is to prepare International Standards. Draft International Standards adopted by the joint technical committee are circulated to national bodies for voting. Publication as an International Standard requires approval by at least 75 % of the national bodies casting a vote.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. ISO and IEC shall not be held responsible for identifying any or all such patent rights.

ISO/IEC 24755 was prepared by Joint Technical Committee ISO/IEC JTC 1, *Information technology*, Subcommittee SC 35, *User interfaces*.

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Introduction

Screen icons and symbols for personal mobile communication devices enable users to decide on the suitability of following associated services or functionality. Information provided by these icons and symbols may also be made available via text.

The icons in this International Standard are intended for use only for mobile communication devices. The icon and symbol graphics included in this International Standard have been selected on the basis of their ability to convey the desired information to a wide audience of users. Wherever available, icons from ISO/IEC 11581-2, 3 and 6 are used.

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Information technology — Screen icons and symbols for personal mobile communication devices

1 Scope

This International Standard defines a consistent set of screen icons and symbols – together with their related functions – that are presented by personal mobile communications devices (e.g. mobile phones and personal digital assistants). These devices have an accessible touch screen operated using a stylus pen or finger, or button access with personalized application, that users interact with to control the information presented by these devices.

This International Standard provides a consistent set of icon graphics for using personal information of management-related applications and controlling the device. These icons and symbols represent typical functions and statuses by their association with conventional controls and functions on real world objects.

This International Standard applies to all icon graphics displayed with resolution of 32×32 pixels or higher. The graphic presentation can be either dynamic or fixed.

2 Conformance

The operating system, application software and their resource file for the entire personal mobile communication device conforms to ISO/IEC 24755 if all icons/symbols available to the user in the system or application conform to Clauses 5 and 6 of this International Standard and Clause 5 and subclause 6.1 of ISO/IEC 11581-1.

3 Normative references

The following referenced documents are indispensable for the application of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

ISO/IEC 11581-1:2000, *Information technology — User system interfaces and symbols — Icon symbols and functions — Part 1: Icons — General*

ISO/IEC 11581-3:2000, *Information technology — User system interfaces and symbols — Icon symbols and functions — Part 3: Pointer icons*

4 Terms and definitions

For the purposes of this document, the terms and definitions given in ISO/IEC 11581-1:2000 and the following apply.

4.1 identifier

to internally define (e.g. with XML) the icons and symbols. The internal identifier within this International Standard is tentatively set to use two capital letters, G (i.e. an initial of Graphics) and M (i.e. an initial of Mobile), followed by an ordering number of three digits

4.2 label

used to provide language-based information to supplement the icon display

4.3 reference

may be used to provide information for the related existing International Standard as a reference

4.4 specific variations

may be used to adapt a particular icon to specific design styles while retaining its essential perceptual characteristics. Additional information is provided for arranging and modifying graphics to meet the resolution restriction

4.5 status indicator

graphic symbol that represents a state within the system

NOTE Status indicators assist a mobile device user to confirm some system-setting state without accessing the system settings. They are dynamically updated only when the state changes in real-time. Users are not able to use the status indicator to control the change.

EXAMPLE 1 A status indicator is used to show that vibration is set in a cellular phone instead of sounds to indicate ringing or alert.

EXAMPLE 2 A status indicator is used to show the remaining battery charge of a personal data assistant (PDA).

4.6 status variations

variations of a graphic symbol that represent different states. When one particular state is selected manually or automatically, then one variation is displayed

5 Requirements and recommendations

5.1 Requirements

5.1.1 Graphic and function

If an interactive system or application of a personal mobile communication device uses an icon or a symbol that has the appearance of the icon/symbol graphic specified in Clause 6 of this International Standard, it shall serve the functions specified in Clause 6 of this International Standard. The specific and the global variations specified in "ISO/IEC 11581-1:2000, 6.3" apply.

5.1.2 Identification

5.1.2.1 Internal Identifier

All icons and symbols shall be implemented with an internal identifier of the graphic object.

NOTE This identifier can be used by text-based output devices (e.g. text-only screens, screen readers, Braille output device).

5.1.2.2 Identifiers specified in this International Standard

All icons and symbols specified in this International Standard shall be implemented with the internal identifiers specified in this International Standard.

5.1.2.3 Identifiers for other icons and symbols

Icons and symbols not specified in this International Standard shall be implemented with the internal identifiers specified by the developer.

5.1.2.4 Unique identifiers for other icons and symbols

Developer specified internal identifiers shall not be the same as identifiers specified in this International Standard.

5.1.2.5 Labels

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If a label is used with an icon to clarify its meaning, it shall be provided in the language of the user.

5.1.2.6 Labels identified in this International Standard

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When English language labels are used for icons or symbols identified in this International Standard, they shall be the labels identified in this International Standard.

5.1.2.7 Labels in other languages

Labels for use in other languages may be specified in appropriate national standards.

5.1.2.8 User control of labels

The user shall be able to control:

- a) whether or not labels are displayed with icons
- b) the language of displayed labels
- c) the positioning of the label relative to the icon

5.1.2.9 Selection

Selection of a label shall have the same result as selecting the icon or symbol. Selection shall be in accordance with “ISO/IEC 11581-3:2000, 5.2”.

5.2 Recommendations

5.2.1 Function and graphic

If an interactive system or application of a personal mobile communication device uses an icon or a symbol that serves the primary function specified in Clause 6 of this International Standard, it is highly recommended that it should have the appearance of the icon and symbol graphic specified in Clause 6, within the specific variations given and within the global variations specified in Clause 6.3 of ISO/IEC 11581-1:2000.

5.2.2 Metaphor

A consistent highlighting or presentation style should be considered which renders the graphic of the icons and symbols sufficiently prominent in comparison with other information on the screen.

5.2.3 Arrangement

There is no specific sequence for arranging these icons and symbols. Where a default sequence is supplied, the user should be provided with a facility to arrange them to their own preference.

5.2.4 Appearance

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All icons and symbols of a similar selection status should be a consistent visual strength and style.

5.2.5 Text/Typeface

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The use of text inside icons and symbols should be avoided. However, if text is included, plain typefaces should be used. If text is used, it should be used in a manner that supports adaptation for cultural, linguistic and comprehensibility purposes.

6 Icon and symbol specifications

6.1 General

The Icon and symbol specifications in this clause should be used as design templates for the icon/symbol design for personal mobile communication devices and their applications.

NOTE A bounded grey cell shows the graphics. The size of the cell and the location of the icon within it are shown for illustration only, and are implementation dependent. While the white inner zone should always be opaque, the grey zone may be either transparent or opaque.

6.1.1 Icon and symbol category and index

Icons and symbols in this document are categorized and ordered as following.

6.2 System setting

6.3 Application Icon

6.3.1 Address book application

6.3.2 Still picture application

6.3.3 Movie application

6.3.4 Audio application

6.3.5 Television application

6.3.6 Web browser application

6.3.7 Dictionary application

6.3.8 Notebook application

6.3.9 Gate to Game applications

6.3.10 Scheduler application

6.3.11 Mail application

6.4 Device Icon <https://standards.iteh.ai/catalog/standards/sist/65f67ccd-7d53-4088-94ee-c20097e10d0/iso-iec-24755-2007>

6.4.1 Wireless carrier connection

6.4.2 Wireless network connection

6.4.3 Keypad locked

6.4.4 Data security locked

6.4.5 Microphone

6.4.6 Vibration

6.4.7 Ringing

6.4.8 Battery status indicator

6.2 System setting

Icon function: To enable user to individualise and maintain system setting.

Specific instance: A spanner and a driver.

Graphic components:

- Spanner is drawn by a fat perpendicular line unites with the circle scooped out in the line that bends three times.
- The shape combined in a long and slender line and a fat line expresses a driver.
- The point of a long and slender line has extended a little like showing a driver.

Identifier: GM001

Label: System setting

Graphic:



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Status variations:

- None at present

Specific variations:

- None at present

Reference:

- None at present