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**Information technology — User  
interfaces — Gesture-based interfaces  
across devices and methods —**

Part 12:  
**Multi-point gestures for common  
system actions**

*Technologies de l'information — Interfaces utilisateur — Interfaces  
fondées sur la gestuelle entre dispositifs et méthodes —*

*Partie 12: Gestes multi-points pour les actions courantes du système*





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# Contents

	Page
Foreword .....	vi
Introduction .....	vii
<b>1 Scope</b> .....	<b>1</b>
<b>2 Normative references</b> .....	<b>1</b>
<b>3 Terms and definitions</b> .....	<b>1</b>
<b>4 Visual description of multi-point gestures</b> .....	<b>4</b>
<b>5 General requirements and recommendations</b> .....	<b>6</b>
5.1 Alternatives for multi-point gestures .....	6
5.2 Simple movements .....	6
5.3 Priority in assigning multi-point gestures .....	6
5.4 Choice of movement metaphor .....	6
5.5 Description of multi-point gestures .....	6
<b>6 Alternatives for multi-point gestures</b> .....	<b>6</b>
<b>7 Descriptions of the multi-point gestures</b> .....	<b>7</b>
7.1 The “2-point left” gesture .....	7
7.1.1 General .....	7
7.1.2 State description .....	8
7.1.3 Specific instances with a direct touch gesture or a mediated gesture in applying “content-mover” metaphor .....	9
7.1.4 Specific instances with a mediated gesture in applying “window-mover” metaphor .....	10
7.2 The “2-point right” gesture .....	10
7.2.1 General .....	10
7.2.2 State description .....	11
7.2.3 Specific instances with a direct touch gesture or a mediated gesture in applying “content-mover” metaphor .....	12
7.2.4 Specific instances with a mediated gesture in applying “window-mover” metaphor .....	12
7.3 The “2-point down” gesture .....	13
7.3.1 General .....	13
7.3.2 State description .....	13
7.3.3 Specific instances with a direct touch gesture or a mediated gesture in applying “content-mover” metaphor .....	14
7.3.4 Specific instances with a mediated gesture in applying “window-mover” metaphor .....	15
7.4 The “2-point up” gesture .....	15
7.4.1 General .....	15
7.4.2 State description .....	16
7.4.3 Specific instances with a direct touch gesture or a mediated gesture in applying “content-mover” metaphor .....	17
7.4.4 Specific instances with a mediated gesture in applying “window-mover” metaphor .....	18
7.5 The “2-point left flick” gesture .....	18
7.5.1 General .....	18
7.5.2 State description .....	18
7.5.3 Specific instances with a direct touch gesture or a mediated gesture in applying “content-mover” metaphor .....	19
7.5.4 Specific instances with a mediated gesture in applying “window-mover” metaphor .....	20
7.6 The “2-point right flick” gesture .....	20
7.6.1 General .....	20
7.6.2 State description .....	20

7.6.3	Specific instances with a direct touch gesture or a mediated gesture in applying “content-mover” metaphor .....	21
7.6.4	Specific instances with a mediated gesture in applying “window-mover” metaphor .....	21
7.7	The “2-point down flick” gesture .....	22
7.7.1	General .....	22
7.7.2	State description .....	22
7.7.3	Specific instances with a direct touch gesture or a mediated gesture in applying “content-mover” metaphor .....	23
7.7.4	Specific instances with a mediated gesture in applying “window-mover” metaphor .....	23
7.8	The “2-point up flick” gesture .....	24
7.8.1	General .....	24
7.8.2	State description .....	24
7.8.3	Specific instances with a direct touch gesture or a mediated gesture in applying “content-mover” metaphor .....	25
7.8.4	Specific instances with a mediated gesture in applying “window-mover” metaphor .....	25
7.9	The “2-point continuous any direction” gesture .....	26
7.9.1	General .....	26
7.9.2	State description .....	26
7.9.3	Specific instances with a direct touch gesture or a mediated gesture in applying “content-mover” metaphor .....	27
7.9.4	Specific instances with a mediated gesture in applying “window-mover” metaphor .....	27
7.10	The “2-point pinch” gesture .....	27
7.10.1	General .....	27
7.10.2	State description .....	28
7.10.3	Specific instances .....	29
7.11	The “2-point spread” gesture .....	29
7.11.1	General .....	29
7.11.2	State description .....	30
7.11.3	Specific instances .....	31
7.12	The “2-point continuous pinch and spread” gesture .....	31
7.12.1	General .....	31
7.12.2	State description .....	31
7.12.3	Specific instances .....	32
7.13	The “2-point clockwise rotation” gesture .....	32
7.13.1	General .....	32
7.13.2	State description .....	33
7.13.3	Specific instances .....	34
7.14	The “2-point counter-clockwise rotation” gesture .....	34
7.14.1	General .....	34
7.14.2	State description .....	35
7.14.3	Specific instances .....	36
7.15	The “2-point continuous rotation” gesture .....	36
7.15.1	General .....	36
7.15.2	State description .....	36
7.15.3	Specific instances .....	37
7.16	The “2-point tap” gesture .....	37
7.16.1	General .....	37
7.16.2	State description .....	38
7.16.3	Specific instances .....	39
7.17	The “2-point double-tap” gesture .....	39
7.17.1	General .....	39
7.17.2	State description .....	40
7.17.3	Specific instances .....	41
7.18	The “2-point tap and hold” gesture .....	41

7.18.1	General	41
7.18.2	State description	41
7.18.3	Specific instances	42
7.19	The “3-point left” gesture	42
7.19.1	General	42
7.19.2	State description	43
7.19.3	Specific instances with a direct touch gesture or a mediated gesture in applying “content-mover” metaphor	44
7.19.4	Specific instances with a mediated gesture in applying “window-mover” metaphor	45
7.20	The “3-point right” gesture	45
7.20.1	General	45
7.20.2	State description	45
7.20.3	Specific instances with a direct touch gesture or a mediated gesture in applying “content-mover” metaphor	46
7.20.4	Specific instances with a mediated gesture in applying “window-mover” metaphor	47
7.21	The “3-point down” gesture	47
7.21.1	General	47
7.21.2	State description	48
7.21.3	Specific instances	49
7.22	The “3-point up” gesture	49
7.22.1	General	49
7.22.2	State description	50
7.22.3	Specific instances	51
7.23	The “3-point tap” gesture	51
7.23.1	General	51
7.23.2	State description	51
7.23.3	Specific instances	52
7.24	The “3-point double-tap” gesture	52
7.24.1	General	52
7.24.2	State description	53
7.24.3	Specific instances	54
<b>Bibliography</b>		<b>55</b>

## 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.

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Any feedback or questions on this document should be directed to the user's national standards body. A complete listing of these bodies can be found at [www.iso.org/members.html](http://www.iso.org/members.html).

## Introduction

A multi-point gesture is generated by a user with several pointers (which includes an input device such as a multi-touchpad, multi-touchscreen or body parts such as fingertips, hands, etc.) providing gesture actions using a multi-point of interest. Multi-point gestures are used in several commercially available ICT systems including personal computers, smartphones and video game consoles.

There is a need for an international standard to define the multi-point gesture so that users do not get confused. Potential variety and inconsistency among multi-point gestures might cause a serious usability problem in using applications on the ICT systems.

This document presents descriptions of multi-point gestures and their corresponding gesture commands for system-level functions and common functions across applications on ICT systems. The system-level functions include functions for selecting and initiating applications which are handled by operating systems or platforms. The common functions across applications are also identified. These functions include menu navigation, “help”, “undo”, “redo”, and so on.





# Information technology — User interfaces — Gesture-based interfaces across devices and methods —

## Part 12:

# Multi-point gestures for common system actions

## 1 Scope

This document defines multi-point gestures for common system actions used in information and communication technology (ICT) systems.

It specifies movements and conditions for describing multi-point gestures recognized by the systems and applications. The multi-point gestures are performed using an input device (multi-touchpad, multi-touchscreen, etc.) or body parts (fingertips, hands, etc.). These multi-point gestures are intended to operate in a consistent manner regardless of systems, platforms or applications.

The gestures for common system actions denote system-level functions and common functions across applications of ICT systems. The system-level functions are executed at a system or a platform level. They include initiation, resume, restart and termination, etc. The common functions across applications are commonly executed among applications of a system or a platform. The functions include navigation of menus, opening an object, closing an object, etc.

NOTE ICT systems include, but are not limited to, digital televisions, set-top boxes, video game consoles, communication devices, internet devices, entertainment devices, and personal computers (PCs).

## 2 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements 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 24786:2009, *Information technology — User interfaces — Accessible user interface for accessibility settings*