

# INTERNATIONAL STANDARD

**ISO/IEC**  
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**AMENDMENT 1**  
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## **Information technology — User system interfaces — Dialogue interaction —**

### **Part 1:**

Cursor control for text editing

AMENDMENT 1: Macro cursor control

*Technologies de l'information — Interfaces de systèmes de l'utilisateur —  
Interaction par le dialogue —*

*Partie 1: Commande du curseur pour l'édition de texte*

*AMENDEMENT 1: Commande du «Macro curseur»*



Reference number  
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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. 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.

Amendment 1 to International Standard ISO/IEC 10741-1:1995 was prepared by Joint Technical Committee ISO/IEC JTC 1, *Information technology*, Subcommittee 18, *Document processing and related communication*.

## Information technology — User system interfaces — Dialogue interaction —

### Part 1:

#### Cursor control for text editing

#### AMENDMENT 1: Macro cursor control

*Replace the text of clause 2 by:*

An application claiming conformance to this part of ISO/IEC 10741 shall conform to clauses 5, 6, 7, 8, 8.1 and 8.2 (conditional).

*Add the following three new definitions:*

**4.20 frame:** The text bounded by the edges of the screen or the window in which a part of the document is displayed to the user.

**4.21 macro cursor control:** User ability to move the cursor more than one increment at a time.

Note - The increment unit is application dependent; typically, a character is the increment unit in text editing.

**4.22 page:** A part of the document which will be presented as a single unit. The extent of the part to be presented is determined by the application. Typically this area corresponds to a physical page or a hypertext node.

*Add the following two new clauses:*

### **8 Macro cursor control for linear text editing realized through keyboard keys or analogous devices**

Macro movements of the cursor are implemented through activation of user input functions. This part of ISO/IEC 10741 does not specify what input device is to be used to effect the specified macro movements. However, if keyboard keys are used, they shall be located in the editing zone of the keyboard as specified in ISO/IEC 9995-5. If symbols are used to indicate functions they shall be in accordance with ISO/IEC 9995-7, whether the implementation uses the keyboard keys or analogous devices.

ISO/IEC 10741 specifies that some macro movement functions are mandatory and that some are optional. Further, it makes recommendations for how both kinds of functions should be implemented.

## 8.1 Mandatory macro cursor control functions

The functions in 8.1.1 to 8.1.6 shall be available to the user of Latin-based languages text editing applications through activation of keys. Clause 9 describes recommended ways that these functions may be implemented.

### 8.1.1 Next word

Activating the "next word" function shall move the cursor to the first character of the word following the current word. If the cursor is positioned at the last word on the last line of the active document, activating the "next word" function shall move the cursor to the end of the document. If the cursor is positioned at the end of the document, activating the "next word" function shall not move the cursor.

### 8.1.2 Previous word

Activating the "previous word" function shall move the cursor to the first character of the current word, or, if the cursor is already positioned at the first character of that word, it shall move to the first character of the word preceding the current word. If the cursor is positioned at the beginning of the document, activating the "previous word" function shall not move the cursor.

### 8.1.3 Beginning of line

Activating the "beginning of line" function shall move the cursor to the beginning of the current line. If the cursor is positioned at the beginning of a line, activating the "beginning of line" function shall not move the cursor.

### 8.1.4 End of line

Activating the "end of line" function shall move the cursor to the end of the current line. If the cursor is positioned at the end of a line, activating the "end of line" function shall not move the cursor.

### 8.1.5 Beginning of document

Activating the "beginning of document" function shall move the cursor to the beginning of the first line of the active document. If the cursor is positioned at the beginning of the first line, activating the "beginning of document" function shall not move the cursor.

### 8.1.6 End of document

Activating the "end of document" function shall move the cursor to the end of the last line of the active document. If the cursor is positioned at the end of the last line, activating the "end of document" function shall not move the cursor.

## 8.2 Conditional (optional) macro cursor movement functions

The functions in 8.2.1 to 8.2.6 are implemented in many word processing and text editing applications. They are optional to systems conforming to this part of ISO/IEC 10741, but if included they shall conform to subclauses 8.2.1 to 8.2.6. Clause 9 describes recommended ways that these optional functions may be implemented.

### 8.2.1 Next paragraph

Activating the "next paragraph" function shall move the cursor to the first character of the next paragraph. If the cursor is positioned in the last paragraph of the active document, activating the "next paragraph" function shall move the cursor to the end of the document.

### 8.2.2 Previous paragraph

Activating the "previous paragraph" function shall move the cursor to the position of the first character of the current paragraph. If the cursor is positioned at the first character of a paragraph, activating "previous paragraph" shall move the cursor to the first character of the previous paragraph. If the cursor is positioned in the first paragraph of the active document, activating the "previous paragraph" function shall move the cursor to the beginning of the document.

### 8.2.3 Next text

Activating the "next text" function shall display the following contiguous part of the document in the frame. The size of each contiguous part is determined by the application; typically it is either the entire visible portion of the frame or half of it. The cursor shall retain its original position in the frame. If the target position is affected by formatting or if it is not available, the frame shall move so that the cursor is in a position that is closest to the target position. The target position shall be retained until a function other than "next text" or "previous text" is invoked. If the cursor is positioned in the last line of the last view frame, activating the "next text" function shall not move the cursor.

### 8.2.4 Previous text

Activating the "previous text" function shall display the previous contiguous part of the document in the frame. The size of each contiguous part is determined by the application; typically it is either the entire visible portion of the frame or half of it. The cursor shall retain its original position in the frame. If the target position is affected by formatting or if it is not available, the cursor shall move to the first available position that is closest to the target position. The target position shall be retained until a function other than "next text" or "previous text" is invoked. If the cursor is positioned in the first line at the beginning of the document, activating the "previous text" function shall not move the cursor.

### 8.2.5 Next page

Activating the "next page" function shall display the first part of the following page and shall move the cursor to the beginning of the page. The size of a page is determined by the application or the user. If the cursor is positioned in the last page of the document, activating the "next page" function shall not move the cursor.

### 8.2.6 Previous page

Activating the "previous page" function shall display the first part of the previous page and shall move the cursor to the beginning of the page. If the cursor is positioned in the first page of the document, activating the "previous page" function shall not move the cursor.

## **9 Recommended activation of functions for macro cursor control**

The functions required for macro cursor control may be activated through function assigned to keyboard keys, screen menus, touch screen areas, or any other appropriately labelled device.

The labels in quotes in subclauses 9.1 to 9.12 represent functions already implemented by many systems. These functions may be mapped to keyboard keys, icon buttons, or other screen symbols. Functions defined in this part of ISO/IEC 10741 should be implemented as described in subclauses 9.1 to 9.12.

### **9.1 Next word**

The "next word" function should be activated by simultaneous activation of "control" and "cursor right" functions.

### **9.2 Previous word**

The "previous word" function should be activated by simultaneous activation of "control" and "cursor left" functions.

### **9.3 Beginning of line**

The "beginning of line" function should be activated by "beginning(home)" function.

### **9.4 End of line**

The "end of line" function should be activated by "end" function.

### **9.5 Beginning of document**

The "beginning of document" function should be activated by simultaneous activation of "control" and "beginning(home)" functions.

### **9.6 End of document**

The "end of document" function should be activated by simultaneous activation of "control" and "end" functions.

### **9.7 Next paragraph**

The "next paragraph" function should be activated by simultaneous activation of "control" and "cursor down" functions.

### **9.8 Previous paragraph**

The "previous paragraph" function should be activated by simultaneous activation of "control" and "cursor up" functions.

### **9.9 Next text**

The "next text" function should be activated by "next page(pg dn)" function.