

The paper summarizes how standards are created and explores the definitions of usability. The applicability of the standards is discussed. Per author, [Standards for HCI and usability](#) are developed under the patronage of the [International Organization for Standardization \(ISO\)](#) and the [International Electrotechnical Commission \(IEC\)](#). The **international standards and technical reports** related to HCI and usability that were published or under development until March 2001 has been referred to in the paper under two categories: those containing **general principles and recommendations**, and those with **detailed specifications**. [HCI and usability standards](#) are described in following [categories](#) along with the international standard and technical reports related to them.

Usability Definitions [ISO 9241-11](#): The extent to which a product can be used by specified users to achieve specified goals with effectiveness, efficiency and satisfaction in a specified context of use. [ISO/IEC 9126](#): A set of attributes that bear on the effort needed for use, and on the individual assessment of such use, by a stated or implied set of users. [ISO/IEC FDIS 9126-1](#): The capability of the software product to be understood, learned, used and attractive to the user, when used under specified conditions.

Use in context: [ISO/IEC 9126-1 \(ISO WD 20282\)](#) : Software Engineering - Product quality - Part 1: Quality model. [ISO/IEC TR 9126-4](#) : Software Engineering -Product quality - Part 4: Quality in use metrics. [ISO 9241-11](#): Guidance on Usability

Software Interface and interaction [ISO/IEC TR 9126-2\(ISO/IEC 10741-1\)](#) and [ISO/IEC TR 9126-3\(ISO/IEC 11581\)](#): Software Engineering Product quality, [ISO 9241\(ISO/IEC 18021\)](#):Ergonomic requirements for office work with visual display terminals. [ISO 14915](#): Software ergonomics for multimedia user interfaces., [IEC TR 61997](#): Guidelines for the user interfaces in multimedia equipment for general purpose use (2000)

Hardware Interface [ISO 11064\(ISO 9241 Parts 3-9, ISO 13406, ISO/IEC 14754, ISO 18789\)](#):Ergonomic design of control centres

Documentation [ISO/IEC 18019\(ISO/IEC 15910\)](#) : Guidelines for the design and preparation of software user documentation (2000)

Development process [ISO 13407\(ISO/IEC 14598\)](#)Human-centred design processes for interactive systems (1999), [ISO TR 16982](#): Usability methods supporting human centred design (2001)

Usability Capability [ISO TR 18529](#): Ergonomics of human-system interaction - Human-centred lifecycle process descriptions

Other related standards [ISO 9241-1: Part 1](#): Ergonomic requirements for office work with visual display terminals (VDTs) – Part 1:General Introduction (1997), [ISO 9241-2: Part 2](#): Guidance on task requirements (1992), [ISO 10075-1](#): Ergonomic principles related to mental workload - General terms and definitions (1994), [ISO DTS 16071](#): Guidance on accessibility for human-computer interfaces (2000)

There is also information on where to buy the International Standards and how to contribute to it.