

表 1 ISO / TC159 規格、規格原案、関連 JIS 規格一覧(2000. 3.31) (1)

SC1 Ergonomic guiding principles

SC1/WG1 Principles of the design of work systems (Revision of ISO 6385)

ISO 6385:1981 Ergonomic principles in the design of work systems
 CD 6385(rev.) Ergonomic principles in the design of work systems

SC1/WG2 Ergonomic principles related to mental work

ISO 10075-1:1991 Ergonomic principles related to mental work-load
 - General terms and definitions
 JIS Z 8502:1994 人間工学 - 精神作業負荷に関する原則 - 用語及び定義
 ISO 10075-2 :1996 Ergonomic principles related to mental work-load –Design principles
 JIS Z 8503:1998 人間工学 - 精神的作業負荷に関する原則 - 設計の原則
 WD 10075-3 Ergonomic principles related to mental work-load
 –Measurement and assessment of mental work-load

SC1/WG4 Usability and its evaluation

AWI 20282 Evaluation methods for the classification of usability of
 man-machine interfaces

SC3 Anthropometry and biomechanics

ISO 15534-1:2000 Ergonomics – Access dimensions for the design of machinery
 –Principles for determining the dimensions required for openings for whole
 body access into machinery
 ISO 15534-2:2000 –Principles for determining the dimensions required for access openings
 ISO 15534-3:2000 –Anthropometric data
 FDIS 14738 Anthropometric requirements for the design of workstations at machinery
 NP 12892 Ergonomics – Reach envelopes
 NP 15536 Ergonomics – Computer manikins and body templates
 NP 15537 Principles for testing of anthropometric aspects of industrial products and
 designs by using test panels

SC3/WG1 Anthropometry

ISO 7250:1996 Basic human body measurements for technical design
 JIS Z 8500:1994 人間工学 - 人体寸法測定
 NP 15535 Anthropometric database

SC3/WG2 Evaluation of working postures

FDIS 11226 Ergonomics – Evaluation of working postures

SC3/WG4 Human physical strength : manual handling and force limits

DIS 11228-1 Ergonomics – Manual handling – Lifting and carrying
 CD 11228-2 Ergonomics – Manual handling – Pushing, pulling and holding
 WD 11228-3 Ergonomics – Manual handling – Handling of low loads at high frequency

表1 ISO/TC159 規格、規格原案、関連 JIS 規格一覧 (2000.3.31) (2)

SC4 Ergonomics of human-system interaction

SC4/WG1 Fundamentals of controls and signalling methods

ISO 1503:1977	<i>Geometrical orientation and directions of movements</i>
JIS Z 8907:1985	方向性及び運動方向通則
ISO 9355-1:1999	<i>Ergonomic requirements for the design of displays and control actuators</i> –Human interactions with displays and control actuators
ISO 9355-2:1999	–Displays
CD 9355-3	–Control actuators
CD 9355-4	–Location and arrangement of displays and control actuators

SC4/WG2 Visual display requirements

ISO 9241-3:1992	<i>Ergonomic requirements for office work with visual display terminals(VDTs)</i> –Visual display requirements
JIS Z 8513:1994	人間工学 - 視覚表示装置を用いるオフィス作業 - 視覚表示装置の 要求事項
FDIS/ISO 9241-3 : 1992/Amd 1	Ergonomic requirements for office work with VDTs –Part 3: Visual display requirements –Amendment 1:Annex C Visual performance and comfort test
ISO 9241-7:1998	<i>Ergonomic requirements for office work with VDTs</i> –Display requirements with reflections
JIS Z 8517:1999	人間工学 - 視覚表示装置を用いるオフィス作業 - 画面反射に関する 表示装置の要求事項
ISO 9241-8 : 1997	<i>Ergonomic requirements for office work with VDTs</i> – Requirements for displayed colours
JIS Z 8518:1998	人間工学 - 視覚表示装置を用いるオフィス作業 - 表示色の要求事項
ISO 13406-1:1999	<i>Ergonomic requirements for work with visual displays based on flat panels</i> –Introduction
FDIS 13406-2	–Ergonomic requirements for flat panel displays
AWI 18789	Ergonomics of human system interaction—Ergonomic requirements and measurement techniques for electronic visual display

SC4/WG3 Control, workplace and environmental requirements

ISO 9241-4:1998	<i>Ergonomic requirements for office work with VDTs—Keyboard requirements</i>
JIS Z 8514	人間工学 - 視覚表示装置を用いるオフィス作業 - キーボードの要求事項 (原案提出)
ISO 9241-5:1998	<i>Ergonomic requirements for office work with VDTs</i> –Workstation layout and postural requirements
ISO 9241-6:1999	–Guidance on the work environment
ISO 9241-9:2000	–Requirements for non-keyboard input devices
WD/TS 16648	–Space organization and workplace layout - Considerations supporting the requirements presented in ISO 9241-6

SC4/WG4 Task requirements

ISO 9241-2:1992	<i>Ergonomic requirements for office work with VDTs</i> –Guidance on task requirements
JIS Z 8512:1995	人間工学 - 視覚表示装置を用いるオフィス作業 - 仕事の要求事項についての指針

SC4/WG5 Software ergonomics and human-computer dialogues

ISO 9241-10:1996	<i>Ergonomic requirements for office work with VDTs – Dialogue principles</i>
JIS Z 8520:1999	人間工学 - 視覚表示装置を用いるオフィス作業 - 対話の原則

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ISO 9241-11:1998	<i>Ergonomic requirements for office work with VDTs – Guidance on usability</i>
JIS Z 8521:1999	人間工学 - 視覚表示装置を用いるオフィス作業 - 使用性の手引
ISO 9241-12:1998	<i>Ergonomic requirements for office work with VDTs –Presentation of information</i>
ISO 9241-13:1998	<i>Ergonomic requirements for office work with VDTs – User guidance</i>
ISO 9241-14:1997	<i>Ergonomic requirements for office work with VDTs – Menu dialogues</i>
JIS Z 8524:1999	人間工学 - 視覚表示装置を用いるオフィス作業 - メニュー対話
ISO 9241-15:1997	<i>Ergonomic requirements for office work with VDTs – Command dialogues</i>
JIS Z 8525	人間工学 - 視覚表示装置を用いるオフィス作業 - コマンド対話 (原案提出)
ISO 9241-16:1999	<i>Ergonomic requirements for office work with VDTs –Direct manipulation dialogues</i>
ISO 9241-17:1998	<i>Ergonomic requirements for office work with VDTs – Form filling dialogues</i>
CD 9241-1:1997/DAM 1 Amd.1 AnnexB	Ergonomic requirements for office work with VDTs –Description and application of the software parts (Part 10 to Part 17)
CD 14915-1	Multimedia user interface design - Software ergonomic requirements –Introduction and framework
CD 14915-2	–Multimedia control and navigation
CD 14915-3	–Selection of media and media combination
NP 14915-4	–Domain-specific multimedia aspects
NP/TS 16071	Ergonomics of human-system interaction - Guidance on accessibility for human-computer interfaces

SC4/WG6 Human centred design process for interactive systems

ISO 9241-1:1997	<i>Ergonomic requirements for office work with VDTs – General introduction</i>
JIS Z 8511:1999	人間工学 - 視覚表示装置を用いるオフィス作業 - 通則
ISO 13407	<i>Human-centred design processes for interactive systems</i>
JIS Z 8530	インタラクティブシステムの人間中心設計過程 (原案提出)
PPTS 16982	Usability methods supporting human-centred design
NP/PAS 18529	Human-centred lifecycle process descriptions

SC4/WG8 Ergonomic design of control centres

ISO 11064-3:1999	<i>Ergonomic design of control centres –Control room layout</i>
JIS Z 8503-3:1999	人間工学 - コントロールセンターの設計 - コントロールルームの配置 計画
FDIS 11064-1	Ergonomic design of control centres –Principles for the design of control centres
FDIS 11064-2	–Principles of control suite arrangement
WD 11064-4	–Workstation layout and dimensions
WD 11064-5	–Displays, controls, interactions
WD 11064-6	–Environmental requirements for control centres
WD 11064-7	–Principles for the evaluation of control centres

SC5 Ergonomics of the physical environment

SC5/WG1 Thermal environments

ISO 7243:1989	<i>Hot environments–Estimation of the heat stress on working man, based on the WBGT-index(wet bulb globe temperature)</i>
JIS Z 8504:1999	人間工学 - WBGT (湿球黒球温度) 指数に基づく作業者の熱ストレス の評価 - 暑熱環境

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ISO 7726:1998	<i>Ergonomics of the thermal environment</i> –Instruments for measuring physical quantities
ISO 7730(rev.):1994	<i>Moderate thermal environments –Determination of the PMV and PPD indices and specification of the conditions for thermal comfort</i>
ISO 7933:1989	<i>Hot environments–Analytical determination and interpretation of thermal stress using calculation of required sweat rate</i>
WD 7933(rev.)	Hot environments - Analytical determination and interpretation of thermal stress using calculation of the predicted heat strain
ISO 8996:1995	<i>Ergonomics–Determination of metabolic heat production</i>
CD 8996(rev.)	Ergonomics–Determination of metabolic heat production
ISO 9886(rev.):1992	<i>Evaluation of thermal strain by physiological measurements</i>
ISO 9920:1995	<i>Ergonomics of the thermal environment</i> –Estimation of the thermal insulation and evaporative resistance of a clothing ensemble
ISO 10551:1995	–Assessment of the influence of the thermal environment using subjective judgement scales
ISO 11399:1995	–Principles and application of relevant International Standards
ISO/TR 11079(rev.):1993	<i>Evaluation of cold environments</i> –Determination of required clothing insulation (IREQ)
DIS 12894	Ergonomics of the thermal environment –Medical supervision of individuals exposed to hot or cold environment
DIS 13731	Ergonomics of the thermal environment – Definitions, symbols and units
DIS 14415	Ergonomics of the thermal environment –Application of international standards for people with special requirements
WD 13732-1	Ergonomics of the thermal environment – Method for the assessment of human responses to contact with surfaces –Human contact with surfaces at hot temperature
CD 13732-2	–Human contact with surfaces at moderate temperature.
CD 13732-3	–Human contact with surfaces at cold temperature
WD 14505	Ergonomics of the thermal environment in vehicles
WD 15265	Ergonomics of the thermal environment –Risk assessment strategy for the prevention of stress or discomfort in thermal working conditions
NP 15266	–Assessment of long term thermal comfort performance of indoor environments
NP 15742	– Determination at the combined effect of the thermal environment, air pollution, acoustics and illumination on humans
NP 15743	–Working practices for cold environments

SC5/WG2 Lighting environment

ISO 8995:1989	<i>Principles of visual ergonomics – The lighting of indoor work systems</i>
CD 8995(rev.)	Principles of visual ergonomics – The lighting of indoor work systems

SC5/WG3 Danger signals and communication in noisy environments

ISO 7731:1986	<i>Danger signals for workplaces – Auditory danger signals</i>
WD 7731(rev.)	Danger signals for workplaces – Auditory danger signals
ISO 9921-1:1996	<i>Ergonomic assessment of speech communication</i> –Speech Interference level and communication distances for persons with normal hearing capacity in direct communication (SIL method)
CD 9921-2	–Assessment of speech communication by means of the Modified Articulation Index(MAI method)
CD 9921-3	–Speech communication with electro-acoustic systems
ISO 11428:1996	<i>Ergonomics –Visual danger signals –General requirements, design and testing</i>
ISO 11429:1996	<i>Ergonomics —System of auditory and visual danger and information signals</i>