



Bulgarian Association of Ergonomics and Human Factors (BAEHF)

<p>Names and emails of President, Secretary and Treasurer</p>	<p>Tihomir Dovramadjiev - dr.tihomir.dovramadjiev@gmail.com & dr.tihomir.dovramadjiev.baehf@gmail.com</p> <p>Desislava Zlatanova – d.zlatanova.baehf@gmail.com</p> <p>Rozalina Dimova rdim@abv.bg</p>
<p>Name and email of IEA Council Representative/s</p>	<p>Tihomir Dovramadjiev - dr.tihomir.dovramadjiev@gmail.com</p>
<p>Website address</p>	<p>https://baehfofficial.wixsite.com/baehf</p>
<p>Number of society members</p>	<p>133 (Regular: 59), Students (49), (Other, assoc. 25)</p>
<p>Is the title Ergonomist, HFE specialist, or similar protected by law in your country?</p>	<p>In Bulgaria, the title "Ergonomist," "HFE specialist" (Human Factors and Ergonomics specialist), or similar titles are not protected by law. This means that there is no specific legislation that restricts the use of these titles to individuals who have met certain qualifications or certifications. Anyone can theoretically use these titles regardless of their formal education or credentials in the field of ergonomics and human factors.</p> <p>However, there is a legal documented REGULATION No. 4 OF AUGUST 14, 2018 ON ACQUIRING A QUALIFICATION FOR THE PROFESSION "ERGONOMICS INSTRUCTOR" Effective from 24.08.2018</p> <p>Issued by the Minister of Education and Science Pron. DV. No. 70 of August 24, 2018</p> <p>Link: https://www.navet.government.bg/bg/media/Naredba-Instruktor-ergonomia.pdf</p>
<p>Are there laws in your country requiring ergonomic adoptions in the workplace, or for working tools, etc.</p>	<p>Bulgarian Institute for Standardization (Project & Published)</p> <p>https://bds-bg.org/en/</p> <p>https://bds-bg.org/en/project/list?keywords=ergonomics&status%5B0%5D=IN_DEVELOPMENT&status%5B1%5D=PUBLISHED&operatorCommittee=1&operatorStdType=3&listMode=DEFAULT</p> <p>БДС EN ISO 10551:2019</p> <p>BDS</p> <p>Ergonomics of the physical environment - Subjective judgement scales for assessing physical environments (ISO 10551:2019)</p> <p>60.60 Standard published</p>

	<p>TK-59 more БДC EN ISO 11079:2008 BDS Ergonomics of the thermal environment - Determination and interpretation of cold stress when using required clothing insulation (IREQ) and local cooling effects (ISO 11079:2007)</p> <p>60.60 Standard published</p> <p>TK-59 more БДC EN ISO 11399:2003 BDS Ergonomics of the thermal environment - Principles and application of relevant International Standards (ISO 11399:1995)</p> <p>90.93 Standard confirmed</p> <p>TK-59 more CД CEN ISO/TR 12296:2013 BDS Ergonomics - Manual handling of people in the healthcare sector (ISO/TR 12296:2012)</p> <p>60.60 Standard published</p> <p>TK-59 more БДC EN ISO 12894:2003 BDS Ergonomics of the thermal environment - Medical supervision of individuals exposed to extreme hot or cold environments (ISO 12894:2001)</p> <p>90.93 Standard confirmed</p> <p>TK-59 more БДC EN ISO 13731:2003 BDS Ergonomics of the thermal environment - Vocabulary and symbols (ISO 13731:2001)</p> <p>90.93 Standard confirmed</p> <p>TK-59 more БДC EN ISO 13732-1:2009</p>
--	--

	<p>BDS Ergonomics of the thermal environment - Methods for the assessment of human responses to contact with surfaces - Part 1: Hot surfaces (ISO 13732-1:2006)</p> <p>60.60 Standard published</p> <p>TK-59 more БДC EN ISO 13732-3:2009</p> <p>BDS Ergonomics of the thermal environment - Methods for the assessment of human responses to contact with surfaces - Part 3: Cold surfaces (ISO 13732-3:2005)</p> <p>60.60 Standard published</p> <p>TK-59 more БДC EN 13861:2012</p> <p>BDS Safety of machinery - Guidance for the application of ergonomics standards in the design of machinery</p> <p>90.93 Standard confirmed</p> <p>TK-59 more БДC EN ISO 14505-2:2007</p> <p>BDS Ergonomics of the thermal environment - Evaluation of thermal environments in vehicles - Part 2: Determination of equivalent temperature (ISO 14505-2:2006)</p> <p>60.60 Standard published</p> <p>TK-59 more БДC EN ISO 14505-3:2007</p> <p>BDS Ergonomics of the thermal environment - Evaluation of the thermal environment in vehicles - Part 3: Evaluation of thermal comfort using human subjects (ISO 14505-3:2006)</p> <p>60.60 Standard published</p> <p>TK-59 more БДC ISO 14505-4:2021</p> <p>BDS</p>
--	---

	<p>Ergonomics of the thermal environment — Evaluation of thermal environments in vehicles — Part 4: Determination of the equivalent temperature by means of a numerical manikin</p> <p>60.60 Standard published</p> <p>TK-59 more БДC EN ISO 14915-1:2003 BDS Software ergonomics for multimedia user interfaces - Part 1: Design principles and framework (ISO 14915-1:2002)</p> <p>90.93 Standard confirmed</p> <p>TK-59 more БДC EN ISO 15265:2005 BDS Ergonomics of the thermal environment - Risk assessment strategy for the prevention of stress or discomfort in thermal working conditions (ISO 15265:2004)</p> <p>90.93 Standard confirmed</p> <p>TK-59 more БДC EN ISO 15536-1:2009 BDS Ergonomics - Computer manikins and body templates - Part 1: General requirements (ISO 15536-1:2005)</p> <p>60.60 Standard published</p> <p>TK-59 more БДC EN ISO 15536-2:2007 BDS Ergonomics - Computer manikins and body templates - Part 2: Verification of functions and validation of dimensions for computer manikin systems (ISO 15536-2:2007)</p> <p>60.60 Standard published</p> <p>TK-59 more БДC EN ISO 15743:2009 BDS</p>
--	---

	<p>Ergonomics of the thermal environment - Cold workplaces - Risk assessment and management (ISO 15743:2008)</p> <p>60.60 Standard published</p> <p>TK-59 more CД CEN/TR 16710-1:2016 BDS Ergonomics methods - Part 1: Feedback method - A method to understand how end users perform their work with machines</p> <p>60.60 Standard published</p> <p>TK-59 more БДC EN 16710-2:2016 BDS Ergonomics methods - Part 2: A methodology for work analysis to support design</p> <p>90.93 Standard confirmed</p> <p>TK-59 more БДC EN 17558:2023 BDS Ergonomics - Ergonomics of PPE ensembles</p> <p>60.60 Standard published</p> <p>TK-59 more CД CEN/TR 17698:2021 BDS Ergonomics - Demands and availability of anthropometric and strength data of children in Europe</p> <p>60.60 Standard published</p> <p>TK-59 more БДC EN ISO 20685-2:2023 BDS Ergonomics - 3-D scanning methodologies for internationally compatible anthropometric databases - Part 2: Evaluation protocol of surface shape and repeatability of relative</p>
--	---

	<p>landmark positions (ISO 20685-2:2023)</p> <p>60.60 Standard published</p> <p>TK-59 more CD ISO/TS 21054:2020 BDS Ergonomics — Accessible design — Controls of consumer products</p> <p>90.93 Standard confirmed</p> <p>TK-59 more CD CEN ISO/TR 22411:2021 BDS Ergonomics data for use in the application of ISO/IEC Guide 71:2014 (ISO/TR 22411:2021)</p> <p>60.60 Standard published</p> <p>TK-59 more CD ISO/TR 23076:2021 BDS Ergonomics — Recovery model for cyclical industrial work</p> <p>60.60 Standard published</p> <p>TK-59 more BDC EN ISO 24500:2010 BDS Ergonomics - Accessible design - Auditory signals for consumer products (ISO 24500:2010)</p> <p>60.60 Standard published</p> <p>TK-59 more BDC EN ISO 24501:2011 BDS Ergonomics - Accessible design - Sound pressure levels of auditory signals for consumer products (ISO 24501:2010)</p> <p>60.60 Standard published</p> <p>TK-59</p>
--	--

	<p>more БДС EN ISO 24502:2011 BDS Ergonomics - Accessible design - Specification of age-related luminance contrast for coloured light (ISO 24502:2010)</p> <p>60.60 Standard published</p> <p>TK-59 more БДС EN ISO 24503:2011 BDS Ergonomics - Accessible design - Tactile dots and bars on consumer products (ISO 24503:2011)</p> <p>60.60 Standard published</p> <p>TK-59 more БДС EN ISO 24504:2016 BDS Ergonomics - Accessible design - Sound pressure levels of spoken announcements for products and public address systems (ISO 24504:2014)</p> <p>60.60 Standard published</p> <p>TK-59 more БДС EN ISO 24550:2020 BDS Ergonomics - Accessible design - Indicator lights on consumer products (ISO 24550:2019)</p> <p>60.60 Standard published</p> <p>TK-59 more БДС EN ISO 24551:2020 BDS Ergonomics - Accessible design - Spoken instructions of consumer products (ISO 24551:2019)</p> <p>60.60 Standard published</p> <p>TK-59 more БДС ISO 24553:2024</p>
--	--

	<p>BDS Ergonomics — Accessible design — Ease of operation</p> <p>60.60 Standard published</p> <p>TK-59 more БДC EN ISO 26800:2011 BDS Ergonomics - General approach, principles and concepts (ISO 26800:2011)</p> <p>60.60 Standard published</p> <p>TK-59 more БДC EN ISO 28802:2012 BDS Ergonomics of the physical environment - Assessment of environments by means of an environmental survey involving physical measurements of the environment and subjective responses of people (ISO 28802:2012)</p> <p>60.60 Standard published</p> <p>TK-59 more БДC EN ISO 28803:2012 BDS Ergonomics of the physical environment - Application of international standards to people with special requirements (ISO 28803:2012)</p> <p>60.60 Standard published</p> <p>TK-59 more БДC EN ISO 6385:2017 BDS Ergonomics principles in the design of work systems (ISO 6385:2016)</p> <p>60.60 Standard published</p> <p>TK-59 more БДC EN ISO 7243:2018 BDS Ergonomics of the thermal environment - Assessment of heat stress using the WBGT (wet</p>
--	--

	<p>bulb globe temperature) index (ISO 7243:2017)</p> <p>60.60 Standard published</p> <p>TK-59 more БДC EN ISO 7726:2003 BDS Ergonomics of the thermal environment - Instruments for measuring physical quantities (ISO 7726:1998)</p> <p>90.93 Standard confirmed</p> <p>TK-59 more БДC EN ISO 7730:2007 BDS Ergonomics of the thermal environment - Analytical determination and interpretation of thermal comfort using calculation of the PMV and PPD indices and local thermal comfort criteria (ISO 7730:2005)</p> <p>60.60 Standard published</p> <p>TK-59 more БДC EN ISO 7731:2009 BDS Ergonomics - Danger signals for public and work areas - Auditory danger signals (ISO 7731:2003)</p> <p>60.60 Standard published</p> <p>TK-59 more БДC EN ISO 7933:2023 BDS Ergonomics of the thermal environment - Analytical determination and interpretation of heat stress using calculation of the predicted heat strain (ISO 7933:2023)</p> <p>60.60 Standard published</p> <p>TK-59 more БДC EN 894-1:1997+A1:2009 BDS Safety of machinery - Ergonomics requirements for the design of displays and control</p>
--	--

	<p>actuators - Part 1: General principles for human interactions with displays and control actuators</p> <p>90.93 Standard confirmed</p> <p>TK-59 more БДC EN 894-2:1997+A1:2009 BDS Safety of machinery - Ergonomics requirements for the design of displays and control actuators - Part 2: Displays</p> <p>90.93 Standard confirmed</p> <p>TK-59 more БДC EN 894-3:2000+A1:2008 BDS Safety of machinery - Ergonomics requirements for the design of displays and control actuators - Part 3: Control actuators</p> <p>90.93 Standard confirmed</p> <p>TK-59 more БДC EN 894-4:2010 BDS Safety of machinery - Ergonomics requirements for the design of displays and control actuators - Part 4: Location and arrangement of displays and control actuators</p> <p>90.93 Standard confirmed</p> <p>TK-59 more БДC EN ISO 8996:2022 BDS Ergonomics of the thermal environment - Determination of metabolic rate (ISO 8996:2021)</p> <p>60.60 Standard published</p> <p>TK-59 more СД CEN ISO/TR 9241-100:2023 BDS Ergonomics of human-system interaction - Part 100: Overview of ISO 9241 software</p>
--	--

	<p>ergonomic standards (ISO/TR 9241-100:2023)</p> <p>60.60 Standard published</p> <p>TK-59 more БДC EN ISO 9241-11:2018 BDS Ergonomics of human-system interaction - Part 11: Usability: Definitions and concepts (ISO 9241-11:2018)</p> <p>60.60 Standard published</p> <p>TK-59 more БДC EN ISO 9241-110:2020 BDS Ergonomics of human-system interaction - Part 110: Interaction principles (ISO 9241-110:2020)</p> <p>60.60 Standard published</p> <p>TK-59 more БДC EN ISO 9241-112:2017 BDS Ergonomics of human-system interaction - Part 112: Principles for the presentation of information (ISO 9241-112:2017)</p> <p>60.60 Standard published</p> <p>TK-59 more БДC EN ISO 9241-115:2024 BDS Ergonomics of human-system interaction - Part 115: Guidance on conceptual design, user-system interaction design, user interface design, and navigation design (ISO 9241-115:2024)</p> <p>60.60 Standard published</p> <p>TK-59 more БДC EN ISO 9241-125:2018 BDS Ergonomics of human-system interaction - Part 125: Guidance on visual presentation of</p>
--	---

	<p>information (ISO 9241-125:2017)</p> <p>60.60 Standard published</p> <p>TK-59 more</p> <p>БД CEN ISO/TS 9241-126:2022 BDS Ergonomics of human-system interaction - Part 126: Guidance on the presentation of auditory information (ISO/TS 9241-126:2019)</p> <p>60.60 Standard published</p> <p>TK-59 more</p> <p>БД EN ISO 9241-129:2011 BDS Ergonomics of human-system interaction - Part 129: Guidance on software individualization (ISO 9241-129:2010)</p> <p>60.60 Standard published</p> <p>TK-59 more</p> <p>БД EN ISO 9241-143:2012 BDS Ergonomics of human-system interaction - Part 143: Forms (ISO 9241-143:2012)</p> <p>60.60 Standard published</p> <p>TK-59 more</p> <p>БД EN ISO 9241-151:2009 BDS Ergonomics of human-system interaction - Part 151: Guidance on World Wide Web user interfaces (ISO 9241-151:2008)</p> <p>60.60 Standard published</p> <p>TK-59 more</p> <p>БД EN ISO 9241-154:2013 BDS Ergonomics of human-system interaction - Part 154: Interactive voice response (IVR) applications (ISO 9241-154:2013)</p>
--	--

	<p>60.60 Standard published</p> <p>TK-59 more БДC EN ISO 9241-161:2016 BDS Ergonomics of human-system interaction - Part 161: Guidance on visual user-interface elements (ISO 9241-161:2016)</p> <p>60.60 Standard published</p> <p>TK-59 more БДC EN ISO 9241-171:2009 BDS Ergonomics of human-system interaction - Part 171: Guidance on software accessibility (ISO 9241-171:2008)</p> <p>60.60 Standard published</p> <p>TK-59 more БДC EN ISO 9241-20:2022 BDS Ergonomics of human-system interaction - Part 20: An ergonomic approach to accessibility within the ISO 9241 series (ISO 9241-20:2021)</p> <p>60.60 Standard published</p> <p>TK-59 more БДC EN ISO 9241-210:2019 BDS Ergonomics of human-system interaction - Part 210: Human-centred design for interactive systems (ISO 9241-210:2019)</p> <p>60.60 Standard published</p> <p>TK-59 more БДC EN ISO 9241-220:2019 BDS Ergonomics of human-system interaction - Part 220: Processes for enabling, executing and assessing human-centred design within organizations (ISO 9241-220:2019)</p>
--	--

	<p>60.60 Standard published</p> <p>TK-59 more БДC ISO 9241-221:2024 BDS Ergonomics of human-system interaction — Part 221: Human-centred design process assessment model</p> <p>60.60 Standard published</p> <p>TK-59 more БДC EN ISO 9241-300:2009 BDS Ergonomics of human-system interaction - Part 300: Introduction to electronic visual display requirements (ISO 9241-300:2008)</p> <p>60.60 Standard published</p> <p>TK-59 more БДC EN ISO 9241-302:2009 BDS Ergonomics of human-system interaction - Part 302: Terminology for electronic visual displays (ISO 9241-302:2008)</p> <p>60.60 Standard published</p> <p>TK-59 more БДC EN ISO 9241-303:2011 BDS Ergonomics of human-system interaction - Part 303: Requirements for electronic visual displays (ISO 9241-303:2011)</p> <p>60.60 Standard published</p> <p>TK-59 more БДC EN ISO 9241-304:2009 BDS Ergonomics of human-system interaction - Part 304: User performance test methods for electronic visual displays (ISO 9241-304:2008)</p> <p>60.60 Standard published</p>
--	---

	<p>TK-59 more БДC EN ISO 9241-305:2009 BDS Ergonomics of human-system interaction - Part 305: Optical laboratory test methods for electronic visual displays (ISO 9241-305:2008)</p> <p>60.60 Standard published</p> <p>TK-59 more БДC EN ISO 9241-306:2019 BDS Ergonomics of human-system interaction - Part 306: Field assessment methods for electronic visual displays (ISO 9241-306:2018)</p> <p>60.60 Standard published</p> <p>TK-59 more БДC EN ISO 9241-307:2009 BDS Ergonomics of human-system interaction - Part 307: Analysis and compliance test methods for electronic visual displays (ISO 9241-307:2008)</p> <p>60.60 Standard published</p> <p>TK-59 more CД CEN ISO/TR 9241-308:2016 BDS Ergonomics of human-system interaction - Part 308: Surface-conduction electron-emitter displays (SED) (ISO/TR 9241-308:2008)</p> <p>60.60 Standard published</p> <p>TK-59 more CД CEN ISO/TR 9241-309:2016 BDS Ergonomics of human-system interaction - Part 309: Organic light-emitting diode (OLED) displays (ISO/TR 9241-309:2008)</p> <p>60.60 Standard published</p>
--	--

	<p>TK-59 more CД CEN ISO/TR 9241-310:2016 BDS Ergonomics of human-system interaction - Part 310: Visibility, aesthetics and ergonomics of pixel defects (ISO/TR 9241-310:2010)</p> <p>60.60 Standard published</p> <p>TK-59 more CД CEN ISO/TR 9241-311:2023 BDS Ergonomics of human-system interaction - Part 311: Application of ISO 9241-307: LCD screens for workstations (ISO/TR 9241-311:2022)</p> <p>60.60 Standard published</p> <p>TK-59 more CД CEN ISO/TR 9241-312:2022 BDS Ergonomics of human-system interaction - Part 312: Readability of electrophoretic displays (ISO/TR 9241-312:2020)</p> <p>60.60 Standard published</p> <p>TK-59 more CД ISO/TR 9241-312:2020 BDS Ergonomics of human-system interaction — Part 312: Readability of electrophoretic displays</p> <p>60.60 Standard published</p> <p>TK-59 more CД CEN ISO/TR 9241-331:2013 BDS Ergonomics of human-system interaction - Part 331: Optical characteristics of autostereoscopic displays (ISO/TR 9241-331:2012)</p> <p>60.60 Standard published</p>
--	--

	<p>TK-59 more БДC EN ISO 9241-333:2017 BDS Ergonomics of human-system interaction - Part 333: Stereoscopic displays using glasses (ISO 9241-333:2017)</p> <p>60.60 Standard published</p> <p>TK-59 more CД ISO/TR 9241-380:2022 BDS Ergonomics of human-system interaction — Part 380: Survey result of HMD (Head-Mounted Displays) characteristics related to human-system interaction</p> <p>60.60 Standard published</p> <p>TK-59 more БДC EN ISO 9241-391:2016 BDS Ergonomics of human-system interaction - Part 391: Requirements, analysis and compliance test methods for the reduction of photosensitive seizures (ISO 9241-391:2016)</p> <p>60.60 Standard published</p> <p>TK-59 more БДC EN ISO 9241-392:2017 BDS Ergonomics of human-system interaction - Part 392: Ergonomic recommendations for the reduction of visual fatigue from stereoscopic images (ISO 9241-392:2015)</p> <p>60.60 Standard published</p> <p>TK-59 more CД CEN ISO/TR 9241-393:2022 BDS Ergonomics of human-system interaction - Part 393: Structured literature review of visually induced motion sickness during watching electronic images (ISO/TR 9241-393:2020)</p> <p>60.60 Standard published</p>
--	---

	<p>TK-59 more БДC EN ISO 9241-394:2022 BDS Ergonomics of human-system interaction - Part 394: Ergonomic requirements for reducing undesirable biomedical effects of visually induced motion sickness during watching electronic images (ISO 9241-394:2020)</p> <p>60.60 Standard published</p> <p>TK-59 more БДC EN ISO 9241-400:2007 BDS Ergonomics of human-system interaction - Part 400: Principles and requirements for physical input devices (ISO 9241-400:2007)</p> <p>60.60 Standard published</p> <p>TK-59 more БДC EN ISO 9241-410:2009 BDS Ergonomics of human-system interaction - Part 410: Design criteria for physical input devices (ISO 9241-410:2008)</p> <p>90.93 Standard confirmed</p> <p>TK-59 more БДC EN ISO 9241-410:2008/A1:2012 BDS Ergonomics of human-system interaction - Part 410: Design criteria for physical input devices (ISO 9241-410:2008/AMD 1:2012)</p> <p>60.60 Standard published</p> <p>TK-59 more CД CEN ISO/TS 9241-411:2014 BDS Ergonomics of human-system interaction - Part 411: Evaluation methods for the design of physical input devices (ISO/TS 9241-411:2012)</p> <p>60.60 Standard published</p>
--	--

	<p>TK-59 more БДC EN ISO 9241-420:2011 BDS Ergonomics of human-system interaction - Part 420: Selection of physical input devices (ISO 9241-420:2011)</p> <p>60.60 Standard published</p> <p>TK-59 more CД CEN ISO/TS 9241-430:2023 BDS Ergonomics of human-system interaction - Part 430: Recommendations for the design of non-touch gestural input for the reduction of biomechanical stress (ISO/TS 9241-430:2021)</p> <p>60.60 Standard published</p> <p>TK-59 more CД CEN ISO/TR 9241-514:2022 BDS Ergonomics of human-system interaction - Part 514: Guidance for the application of anthropometric data in the ISO 9241-500 series (ISO/TR 9241-514:2020)</p> <p>60.60 Standard published</p> <p>TK-59 more CД ISO/TR 9241-610:2022 BDS Ergonomics of human-system interaction — Part 610: Impact of light and lighting on users of interactive systems</p> <p>60.60 Standard published</p> <p>TK-59 more CД CEN ISO/TR 9241-810:2022 BDS Ergonomics of human-system interaction - Part 810: Robotic, intelligent and autonomous systems (ISO/TR 9241-810:2020)</p> <p>60.60 Standard published</p>
--	---

	<p>TK-59 more CD ISO/TR 9241-810:2021 BDS Ergonomics of human-system interaction — Part 810: Robotic, intelligent and autonomous systems</p> <p>60.60 Standard published</p> <p>TK-59 more БДC ISO 9241-820:2024 BDS Ergonomics of human-system interaction — Part 820: Ergonomic guidance on interactions in immersive environments, including augmented reality and virtual reality</p> <p>60.60 Standard published</p> <p>TK-59 more БДC EN ISO 9241-910:2011 BDS Ergonomics of human-system interaction - Part 910: Framework for tactile and haptic interaction (ISO 9241-910:2011)</p> <p>60.60 Standard published</p> <p>TK-59 more БДC EN ISO 9241-920:2016 BDS Ergonomics of human-system interaction - Part 920: Guidance on tactile and haptic interactions (ISO 9241-920:2009)</p> <p>60.60 Standard published</p> <p>TK-59 more БДC EN ISO 9241-940:2022 BDS Ergonomics of human-system interaction - Part 940: Evaluation of tactile and haptic interactions (ISO 9241-940:2017)</p> <p>60.60 Standard published</p>
--	--

	<p>TK-59 more БДC EN ISO 9241-960:2018 BDS Ergonomics of human-system interaction - Part 960: Framework and guidance for gesture interactions (ISO 9241-960:2017)</p> <p>60.60 Standard published</p> <p>TK-59 more БДC EN ISO 9241-971:2022 BDS Ergonomics of human-system interaction - Part 971: Accessibility of tactile/haptic interactive systems (ISO 9241-971:2020)</p> <p>60.60 Standard published</p> <p>TK-59 more БДC EN ISO 9886:2004 BDS Ergonomics - Evaluation of thermal strain by physiological measurements (ISO 9886:2004)</p> <p>60.60 Standard published</p> <p>TK-59 more БДC EN ISO 9920:2009 BDS Ergonomics of the thermal environment - Estimation of thermal insulation and water vapour resistance of a clothing ensemble (ISO 9920:2007, Corrected version 2008-11-01)</p> <p>60.60 Standard published</p> <p>TK-59 more БДC EN ISO 9921:2004 BDS Ergonomics - Assessment of speech communication (ISO 9921:2003)</p> <p>90.93 Standard confirmed</p> <p>TK-59 more prБДC EN ISO 14505-2:2024</p>
--	--

	<p>BDS Ergonomics of the thermal environment — Evaluation of thermal environments in vehicles — Part 2: Determination of equivalent temperature</p> <p>10.99 New project approved</p> <p>TK-59 more prБДC EN ISO 14505-3:2024</p> <p>BDS Ergonomics of the thermal environment — Evaluation of thermal environments in vehicles — Part 3: Evaluation of thermal comfort using human subjects</p> <p>10.99 New project approved</p> <p>TK-59 more prБДC EN ISO 9241-171:2024</p> <p>BDS Ergonomics of human-system interaction - Part 171: Guidance on software accessibility</p> <p>10.99 New project approved</p> <p>TK-59 more prБДC EN ISO 7726:2024</p> <p>BDS Ergonomics of the thermal environment - Instruments for measuring and monitoring physical quantities (ISO/DIS 7726:2023)</p> <p>40.60 Close of voting</p> <p>TK-59 more prБДC EN ISO 7730:2024</p> <p>BDS Ergonomics of the thermal environment - Analytical determination and interpretation of thermal comfort using calculation of the PMV and PPD indices and local thermal comfort criteria (ISO/DIS 7730:2023)</p> <p>40.60 Close of voting</p> <p>TK-59 more prБДC EN 9241-112:2024</p>
--	--

	<p>BDS Ergonomics of human-system interaction - Part 112: Principles for the presentation of information (ISO/DIS 9241-112:2023)</p> <p>40.60 Close of voting</p> <p>TK-59 more прБДC EN ISO 9241-161:2024 BDS Ergonomics of human-system interaction - Part 161: Guidance on visual user-interface elements (ISO/DIS 9241-161:2024)</p> <p>40.60 Close of voting</p> <p>TK-59 more прБДC EN ISO 9241-5:2024 BDS Ergonomics of human-system interaction - Part 5: Workstation layout and postural requirements (ISO/FDIS 9241-5:2024)</p> <p>50.60 Close of voting. Proof returned by secretariat</p> <p>TK-59 more прБДC EN ISO 9241-920:2024 BDS Ergonomics of human-system interaction - Part 920: Tactile and haptic interactions (ISO/FDIS 9241-920:2024)</p> <p>50.20 Proof sent to secretariat or FDIS ballot initiated</p> <p>TK-59 more ISO 10551:2019 ISO Ergonomics of the physical environment — Subjective judgement scales for assessing physical environments</p> <p>90.20 Standard under periodical review</p> <p>ISO/TC 159/SC 5 more ISO 11079:2007 ISO</p>
--	--

	<p>Ergonomics of the thermal environment — Determination and interpretation of cold stress when using required clothing insulation (IREQ) and local cooling effects</p> <p>90.93 Standard confirmed</p> <p>ISO/TC 159/SC 5 more ISO 11226:2000 ISO Ergonomics — Evaluation of static working postures</p> <p>90.60 Close of review</p> <p>ISO/TC 159/SC 3 more ISO 11226:2000/Cor 1:2006 ISO Ergonomics — Evaluation of static working postures — Technical Corrigendum 1</p> <p>60.60 Standard published</p> <p>ISO/TC 159/SC 3 more ISO 11228-1:2021 ISO Ergonomics — Manual handling — Part 1: Lifting, lowering and carrying</p> <p>60.60 Standard published</p> <p>ISO/TC 159/SC 3 more ISO 11228-2:2007 ISO Ergonomics — Manual handling — Part 2: Pushing and pulling</p> <p>90.92 Standard to be revised</p> <p>ISO/TC 159/SC 3 more ISO 11228-2:2007/Amd 1:2022 ISO Ergonomics — Manual handling — Part 2: Pushing and pulling — Amendment 1</p> <p>60.60 Standard published</p> <p>ISO/TC 159/SC 3</p>
--	---

	<p>more ISO 11228-3:2007 ISO Ergonomics — Manual handling — Part 3: Handling of low loads at high frequency</p> <p>90.92 Standard to be revised</p> <p>ISO/TC 159/SC 3 more ISO 11399:1995 ISO Ergonomics of the thermal environment — Principles and application of relevant International Standards</p> <p>90.60 Close of review</p> <p>ISO/TC 159/SC 5 more ISO 11428:1996 ISO Ergonomics — Visual danger signals — General requirements, design and testing</p> <p>90.93 Standard confirmed</p> <p>ISO/TC 159/SC 5 more ISO 11429:1996 ISO Ergonomics — System of auditory and visual danger and information signals</p> <p>90.20 Standard under periodical review</p> <p>ISO/TC 159/SC 5 more ISO/TR 12295:2014 ISO Ergonomics — Application document for International Standards on manual handling (ISO 11228-1, ISO 11228-2 and ISO 11228-3) and evaluation of static working postures (ISO 11226)</p> <p>60.60 Standard published</p> <p>ISO/TC 159/SC 3 more ISO/TR 12296:2012 ISO</p>
--	--

	<p>Ergonomics — Manual handling of people in the healthcare sector</p> <p>60.60 Standard published</p> <p>ISO/TC 159/SC 3 more ISO 12604-3:2022 ISO Aircraft ground handling — Checked baggage — Part 3: Workstation ergonomics</p> <p>60.60 Standard published</p> <p>ISO/TC 20/SC 9 more</p> <p>ISO 12894:2001 ISO Ergonomics of the thermal environment — Medical supervision of individuals exposed to extreme hot or cold environments</p> <p>90.93 Standard confirmed</p> <p>ISO/TC 159/SC 5 more ISO 13731:2001 ISO Ergonomics of the thermal environment — Vocabulary and symbols</p> <p>90.93 Standard confirmed</p> <p>ISO/TC 159/SC 5 more ISO 13732-1:2006 ISO Ergonomics of the thermal environment — Methods for the assessment of human responses to contact with surfaces — Part 1: Hot surfaces</p> <p>90.93 Standard confirmed</p> <p>ISO/TC 159/SC 5 more ISO/TS 13732-2:2001 ISO Ergonomics of the thermal environment — Methods for the assessment of human responses to contact with surfaces — Part 2: Human contact with surfaces at moderate</p>
--	--

	<p>temperature</p> <p>90.60 Close of review</p> <p>ISO/TC 159/SC 5 more ISO 13732-3:2005 ISO Ergonomics of the thermal environment — Methods for the assessment of human responses to contact with surfaces — Part 3: Cold surfaces</p> <p>90.93 Standard confirmed</p> <p>ISO/TC 159/SC 5 more ISO/TS 14505-1:2007 ISO Ergonomics of the thermal environment — Evaluation of thermal environments in vehicles — Part 1: Principles and methods for assessment of thermal stress</p> <p>90.92 Standard to be revised</p> <p>ISO/TC 159/SC 5 more ISO 14505-2:2006 ISO Ergonomics of the thermal environment — Evaluation of thermal environments in vehicles — Part 2: Determination of equivalent temperature</p> <p>90.92 Standard to be revised</p> <p>ISO/TC 159/SC 5 more ISO 14505-2:2006/Cor 1:2007 ISO Ergonomics of the thermal environment — Evaluation of thermal environments in vehicles — Part 2: Determination of equivalent temperature — Technical Corrigendum 1</p> <p>60.60 Standard published</p> <p>ISO/TC 159/SC 5 more ISO 14505-3:2006 ISO Ergonomics of the thermal environment — Evaluation of thermal environments in vehicles — Part 3: Evaluation of thermal comfort using human subjects</p>
--	--

	<p>90.92 Standard to be revised</p> <p>ISO/TC 159/SC 5 more ISO 14505-4:2021 ISO Ergonomics of the thermal environment — Evaluation of thermal environments in vehicles — Part 4: Determination of the equivalent temperature by means of a numerical manikin</p> <p>60.60 Standard published</p> <p>ISO/TC 159/SC 5 more ISO 15265:2004 ISO Ergonomics of the thermal environment — Risk assessment strategy for the prevention of stress or discomfort in thermal working conditions</p> <p>90.93 Standard confirmed</p> <p>ISO/TC 159/SC 5 more ISO 15536-1:2005 ISO Ergonomics — Computer manikins and body templates — Part 1: General requirements</p> <p>90.93 Standard confirmed</p> <p>ISO/TC 159/SC 3 more ISO 15536-2:2007 ISO Ergonomics — Computer manikins and body templates — Part 2: Verification of functions and validation of dimensions for computer manikin systems</p> <p>90.93 Standard confirmed</p> <p>ISO/TC 159/SC 3 more ISO 15743:2008 ISO Ergonomics of the thermal environment — Cold workplaces — Risk assessment and management</p>
--	--

	<p>90.93 Standard confirmed</p> <p>ISO/TC 159/SC 5 more ISO/TR 16982:2002 ISO Ergonomics of human-system interaction — Usability methods supporting human-centred design</p> <p>90.93 Standard confirmed</p> <p>ISO/TC 159/SC 4 more ISO/TS 18152:2010 ISO Ergonomics of human-system interaction — Specification for the process assessment of human-system issues</p> <p>90.93 Standard confirmed</p> <p>ISO/TC 159/SC 4 more ISO/TR 19358:2002 ISO Ergonomics — Construction and application of tests for speech technology</p> <p>90.93 Standard confirmed</p> <p>ISO/TC 159/SC 5 more ISO/TS 20646:2014 ISO Ergonomics guidelines for the optimization of musculoskeletal workload</p> <p>90.93 Standard confirmed</p> <p>ISO/TC 159/SC 3 more</p> <p>ISO 20685-2:2023 ISO Ergonomics — 3-D scanning methodologies for internationally compatible anthropometric databases — Part 2: Evaluation protocol of surface shape and repeatability of relative landmark positions</p>
--	--

	<p>60.60 Standard published</p> <p>ISO/TC 159/SC 3 more ISO/TS 21054:2020 ISO Ergonomics — Accessible design — Controls of consumer products</p> <p>90.93 Standard confirmed</p> <p>ISO/TC 159/SC 4 more ISO 21956:2019 ISO Road vehicles — Ergonomics aspects of transport information and control systems — Human machine interface specifications for keyless ignition systems</p> <p>60.60 Standard published</p> <p>ISO/TC 22/SC 39 more ISO/TR 22411:2021 ISO Ergonomics data for use in the application of ISO/IEC Guide 71:2014</p> <p>60.60 Standard published</p> <p>ISO/TC 159 more ISO/TR 23076:2021 ISO Ergonomics — Recovery model for cyclical industrial work</p> <p>60.60 Standard published</p> <p>ISO/TC 159/SC 3 more ISO/TR 23476:2021 ISO Ergonomics — Application of ISO 11226, the ISO 11228 series and ISO/TR 12295 in the agricultural sector</p> <p>60.60 Standard published</p> <p>ISO/TC 159/SC 3 more</p>
--	---

	<p>ISO 24500:2010 ISO Ergonomics — Accessible design — Auditory signals for consumer products</p> <p>90.93 Standard confirmed</p> <p>ISO/TC 159/SC 5 more ISO 24501:2010 ISO Ergonomics — Accessible design — Sound pressure levels of auditory signals for consumer products</p> <p>90.93 Standard confirmed</p> <p>ISO/TC 159/SC 5 more ISO 24502:2010 ISO Ergonomics — Accessible design — Specification of age-related luminance contrast for coloured light</p> <p>90.93 Standard confirmed</p> <p>ISO/TC 159/SC 5 more ISO 24503:2011 ISO Ergonomics — Accessible design — Tactile dots and bars on consumer products</p> <p>90.93 Standard confirmed</p> <p>ISO/TC 159/SC 4 more ISO 24504:2014 ISO Ergonomics — Accessible design — Sound pressure levels of spoken announcements for products and public address systems</p> <p>90.93 Standard confirmed</p> <p>ISO/TC 159/SC 5 more ISO 24505:2016 ISO Ergonomics — Accessible design — Method for creating colour combinations taking</p>
--	---

	<p>account of age-related changes in human colour vision</p> <p>90.92 Standard to be revised</p> <p>ISO/TC 159/SC 5 more ISO 24508:2019 ISO Ergonomics — Accessible design — Guidelines for designing tactile symbols and characters</p> <p>90.60 Close of review</p> <p>ISO/TC 159/SC 4 more ISO 24509:2019 ISO Ergonomics — Accessible design — A method for estimating minimum legible font size for people at any age</p> <p>60.60 Standard published</p> <p>ISO/TC 159/SC 4 more ISO 24550:2019 ISO Ergonomics — Accessible design — Indicator lights on consumer products</p> <p>60.60 Standard published</p> <p>ISO/TC 159/SC 4 more ISO 24551:2019 ISO Ergonomics — Accessible design — Spoken instructions of consumer products</p> <p>60.60 Standard published</p> <p>ISO/TC 159/SC 4 more ISO 24552:2020 ISO Ergonomics — Accessible design — Accessibility of information presented on visual displays of small consumer products</p> <p>60.60 Standard published</p>
--	---

	<p>ISO/TC 159/SC 4 more ISO 24553:2023 ISO Ergonomics — Accessible design — Ease of operation</p> <p>60.60 Standard published</p> <p>ISO/TC 159/SC 3 more</p> <p>ISO 26800:2011 ISO Ergonomics — General approach, principles and concepts</p> <p>90.93 Standard confirmed</p> <p>ISO/TC 159/SC 1 more ISO 28802:2012 ISO Ergonomics of the physical environment — Assessment of environments by means of an environmental survey involving physical measurements of the environment and subjective responses of people</p> <p>90.93 Standard confirmed</p> <p>ISO/TC 159/SC 5 more ISO 28803:2012 ISO Ergonomics of the physical environment — Application of International Standards to people with special requirements</p> <p>90.93 Standard confirmed</p> <p>ISO/TC 159/SC 5 more ISO 6385:2016 ISO Ergonomics principles in the design of work systems</p> <p>90.93 Standard confirmed</p> <p>ISO/TC 159/SC 1</p>
--	---

	<p>more ISO/TR 7015:2023 ISO Ergonomics — The application of ISO/TR 12295, ISO 11226, the ISO 11228 series and ISO/TR 23476 in the construction sector (civil construction)</p> <p>60.60 Standard published</p> <p>ISO/TC 159/SC 3 more ISO 7243:2017 ISO Ergonomics of the thermal environment — Assessment of heat stress using the WBGT (wet bulb globe temperature) index</p> <p>90.60 Close of review</p> <p>ISO/TC 159/SC 5 more ISO 7726:1998 ISO Ergonomics of the thermal environment — Instruments for measuring physical quantities</p> <p>90.92 Standard to be revised</p> <p>ISO/TC 159/SC 5 more ISO 7730:2005 ISO Ergonomics of the thermal environment — Analytical determination and interpretation of thermal comfort using calculation of the PMV and PPD indices and local thermal comfort criteria</p> <p>90.92 Standard to be revised</p> <p>ISO/TC 159/SC 5 more ISO 7731:2003 ISO Ergonomics — Danger signals for public and work areas — Auditory danger signals</p> <p>90.93 Standard confirmed</p> <p>ISO/TC 159/SC 5 more ISO 7933:2023</p>
--	--

	<p>ISO Ergonomics of the thermal environment — Analytical determination and interpretation of heat stress using calculation of the predicted heat strain</p> <p>60.60 Standard published</p> <p>ISO/TC 159/SC 5 more ISO 8025:2024</p> <p>ISO Ergonomics of the thermal environment — Management of working conditions in hot environments</p> <p>60.60 Standard published</p> <p>ISO/TC 159/SC 5 more ISO 8996:2021</p> <p>ISO Ergonomics of the thermal environment — Determination of metabolic rate</p> <p>60.60 Standard published</p> <p>ISO/TC 159/SC 5 more ISO/TR 9241-100:2023</p> <p>ISO Ergonomics of human-system interaction — Part 100: Overview of ISO 9241 software ergonomic standards</p> <p>60.60 Standard published</p> <p>ISO/TC 159/SC 4 more ISO 9241-11:2018</p> <p>ISO Ergonomics of human-system interaction — Part 11: Usability: Definitions and concepts</p> <p>90.93 Standard confirmed</p> <p>ISO/TC 159/SC 4 more ISO 9241-110:2020</p> <p>ISO Ergonomics of human-system interaction — Part 110: Interaction principles</p>
--	---

	<p>60.60 Standard published</p> <p>ISO/TC 159/SC 4 more ISO 9241-112:2017 ISO Ergonomics of human-system interaction — Part 112: Principles for the presentation of information</p> <p>90.92 Standard to be revised</p> <p>ISO/TC 159/SC 4 more ISO 9241-115:2024 ISO Ergonomics of human-system interaction — Part 115: Guidance on conceptual design, user-system interaction design, user interface design and navigation design</p> <p>60.60 Standard published</p> <p>ISO/TC 159/SC 4 more ISO 9241-125:2017 ISO Ergonomics of human-system interaction — Part 125: Guidance on visual presentation of information</p> <p>90.93 Standard confirmed</p> <p>ISO/TC 159/SC 4 more</p> <p>ISO/TS 9241-126:2019 ISO Ergonomics of human-system interaction — Part 126: Guidance on the presentation of auditory information</p> <p>90.93 Standard confirmed</p> <p>ISO/TC 159/SC 4 more ISO 9241-129:2010 ISO Ergonomics of human-system interaction — Part 129: Guidance on software individualization</p>
--	--

	<p>90.93 Standard confirmed</p> <p>ISO/TC 159/SC 4 more ISO 9241-143:2012 ISO Ergonomics of human-system interaction — Part 143: Forms</p> <p>90.60 Close of review</p> <p>ISO/TC 159/SC 4 more ISO 9241-154:2013 ISO Ergonomics of human-system interaction — Part 154: Interactive voice response (IVR) applications</p> <p>90.93 Standard confirmed</p> <p>ISO/TC 159/SC 4 more ISO 9241-161:2016 ISO Ergonomics of human-system interaction — Part 161: Guidance on visual user-interface elements</p> <p>90.92 Standard to be revised</p> <p>ISO/TC 159/SC 4 more ISO 9241-171:2008 ISO Ergonomics of human-system interaction — Part 171: Guidance on software accessibility</p> <p>90.92 Standard to be revised</p> <p>ISO/TC 159/SC 4 more ISO 9241-20:2021 ISO Ergonomics of human-system interaction — Part 20: An ergonomic approach to accessibility within the ISO 9241 series</p> <p>60.60 Standard published</p>
--	---

	<p>ISO/TC 159/SC 4 more ISO 9241-210:2019 ISO Ergonomics of human-system interaction — Part 210: Human-centred design for interactive systems</p> <p>90.20 Standard under periodical review</p> <p>ISO/TC 159/SC 4 more ISO 9241-220:2019 ISO Ergonomics of human-system interaction — Part 220: Processes for enabling, executing and assessing human-centred design within organizations</p> <p>90.60 Close of review</p> <p>ISO/TC 159/SC 4 more ISO 9241-221:2023 ISO Ergonomics of human-system interaction — Part 221: Human-centred design process assessment model</p> <p>60.60 Standard published</p> <p>ISO/TC 159/SC 4 more ISO 9241-300:2008 ISO Ergonomics of human-system interaction — Part 300: Introduction to electronic visual display requirements</p> <p>90.60 Close of review</p> <p>ISO/TC 159/SC 4 more ISO 9241-302:2008 ISO Ergonomics of human-system interaction — Part 302: Terminology for electronic visual displays</p> <p>90.60 Close of review</p> <p>ISO/TC 159/SC 4</p>
--	---

	<p>more ISO 9241-303:2011 ISO Ergonomics of human-system interaction — Part 303: Requirements for electronic visual displays</p> <p>90.93 Standard confirmed</p> <p>ISO/TC 159/SC 4 more ISO 9241-304:2008 ISO Ergonomics of human-system interaction — Part 304: User performance test methods for electronic visual displays</p> <p>90.60 Close of review</p> <p>ISO/TC 159/SC 4 more ISO 9241-305:2008 ISO Ergonomics of human-system interaction — Part 305: Optical laboratory test methods for electronic visual displays</p> <p>90.60 Close of review</p> <p>ISO/TC 159/SC 4 more ISO 9241-306:2018 ISO Ergonomics of human-system interaction — Part 306: Field assessment methods for electronic visual displays</p> <p>90.93 Standard confirmed</p> <p>ISO/TC 159/SC 4 more ISO 9241-307:2008 ISO Ergonomics of human-system interaction — Part 307: Analysis and compliance test methods for electronic visual displays</p> <p>90.60 Close of review</p> <p>ISO/TC 159/SC 4 more</p>
--	--

	<p>ISO/TR 9241-309:2008 ISO Ergonomics of human-system interaction — Part 309: Organic light-emitting diode (OLED) displays</p> <p>90.93 Standard confirmed</p> <p>ISO/TC 159/SC 4 more</p> <p>ISO/TR 9241-310:2010 ISO Ergonomics of human-system interaction — Part 310: Visibility, aesthetics and ergonomics of pixel defects</p> <p>90.93 Standard confirmed</p> <p>ISO/TC 159/SC 4 more</p> <p>ISO/TR 9241-311:2022 ISO Ergonomics of human-system interaction — Part 311: Application of ISO 9241-307: LCD screens for workstations</p> <p>60.60 Standard published</p> <p>ISO/TC 159/SC 4 more</p> <p>ISO/TR 9241-312:2020 ISO Ergonomics of human-system interaction — Part 312: Readability of electrophoretic displays</p> <p>60.60 Standard published</p> <p>ISO/TC 159/SC 4 more</p> <p>ISO/TR 9241-331:2012 ISO Ergonomics of human-system interaction — Part 331: Optical characteristics of autostereoscopic displays</p> <p>90.93 Standard confirmed</p> <p>ISO/TC 159/SC 4</p>
--	---

	<p>more ISO 9241-333:2017 ISO Ergonomics of human-system interaction — Part 333: Stereoscopic displays using glasses</p> <p>90.93 Standard confirmed</p> <p>ISO/TC 159/SC 4 more ISO/TR 9241-380:2022 ISO Ergonomics of human-system interaction — Part 380: Survey result of HMD (Head-Mounted Displays) characteristics related to human-system interaction</p> <p>60.60 Standard published</p> <p>ISO/TC 159/SC 4 more ISO 9241-391:2016 ISO Ergonomics of human-system interaction — Part 391: Requirements, analysis and compliance test methods for the reduction of photosensitive seizures</p> <p>90.93 Standard confirmed</p> <p>ISO/TC 159/SC 4 more ISO 9241-392:2015 ISO Ergonomics of human-system interaction — Part 392: Ergonomic recommendations for the reduction of visual fatigue from stereoscopic images</p> <p>90.93 Standard confirmed</p> <p>ISO/TC 159/SC 4 more ISO/TR 9241-393:2020 ISO Ergonomics of human-system interaction — Part 393: Structured literature review of visually induced motion sickness during watching electronic images</p> <p>60.60 Standard published</p> <p>ISO/TC 159/SC 4 more ISO 9241-394:2020</p>
--	--

	<p>ISO Ergonomics of human-system interaction — Part 394: Ergonomic requirements for reducing undesirable biomedical effects of visually induced motion sickness during watching electronic images</p> <p>60.60 Standard published</p> <p>ISO/TC 159/SC 4 more ISO 9241-400:2007</p> <p>ISO Ergonomics of human—system interaction — Part 400: Principles and requirements for physical input devices</p> <p>90.93 Standard confirmed</p> <p>ISO/TC 159/SC 4 more ISO 9241-410:2008</p> <p>ISO Ergonomics of human-system interaction — Part 410: Design criteria for physical input devices</p> <p>90.93 Standard confirmed</p> <p>ISO/TC 159/SC 4 more ISO 9241-410:2008/Amd 1:2012</p> <p>ISO Ergonomics of human-system interaction — Part 410: Design criteria for physical input devices — Amendment 1</p> <p>60.60 Standard published</p> <p>ISO/TC 159/SC 4 more ISO/TS 9241-411:2012</p> <p>ISO Ergonomics of human-system interaction — Part 411: Evaluation methods for the design of physical input devices</p> <p>90.93 Standard confirmed</p> <p>ISO/TC 159/SC 4 more ISO 9241-420:2011</p>
--	---

	<p>ISO Ergonomics of human-system interaction — Part 420: Selection of physical input devices</p> <p>90.93 Standard confirmed</p> <p>ISO/TC 159/SC 4 more ISO/TS 9241-430:2021</p> <p>ISO Ergonomics of human-system interaction — Part 430: Recommendations for the design of non-touch gestural input for the reduction of biomechanical stress</p> <p>60.60 Standard published</p> <p>ISO/TC 159/SC 4 more ISO 9241-500:2018</p> <p>ISO Ergonomics of human-system interaction — Part 500: Ergonomic principles for the design and evaluation of environments of interactive systems</p> <p>90.60 Close of review</p> <p>ISO/TC 159/SC 4 more ISO/TR 9241-514:2020</p> <p>ISO Ergonomics of human-system interaction — Part 514: Guidance for the application of anthropometric data in the ISO 9241-500 series</p> <p>60.60 Standard published</p> <p>ISO/TC 159/SC 4 more</p> <p>ISO/TR 9241-610:2022</p> <p>ISO Ergonomics of human-system interaction — Part 610: Impact of light and lighting on users of interactive systems</p> <p>60.60 Standard published</p> <p>ISO/TC 159/SC 4 more ISO/TS 9241-620:2023</p>
--	--

	<p>ISO Ergonomics of human-system interaction — Part 620: The role of sound for users of interactive systems</p> <p>60.60 Standard published</p> <p>ISO/TC 159/SC 4 more ISO/TR 9241-810:2020</p> <p>ISO Ergonomics of human-system interaction — Part 810: Robotic, intelligent and autonomous systems</p> <p>60.60 Standard published</p> <p>ISO/TC 159/SC 4 more ISO 9241-820:2024</p> <p>ISO Ergonomics of human-system interaction — Part 820: Ergonomic guidance on interactions in immersive environments, including augmented reality and virtual reality</p> <p>60.60 Standard published</p> <p>ISO/TC 159/SC 4 more ISO 9241-910:2011</p> <p>ISO Ergonomics of human-system interaction — Part 910: Framework for tactile and haptic interaction</p> <p>90.93 Standard confirmed</p> <p>ISO/TC 159/SC 4 more ISO 9241-920:2009</p> <p>ISO Ergonomics of human-system interaction — Part 920: Guidance on tactile and haptic interactions</p> <p>90.92 Standard to be revised</p> <p>ISO/TC 159/SC 4 more ISO 9241-940:2017</p> <p>ISO</p>
--	---

	<p>Ergonomics of human-system interaction — Part 940: Evaluation of tactile and haptic interactions</p> <p>90.93 Standard confirmed</p> <p>ISO/TC 159/SC 4 more ISO 9241-960:2017 ISO Ergonomics of human-system interaction — Part 960: Framework and guidance for gesture interactions</p> <p>90.93 Standard confirmed</p> <p>ISO/TC 159/SC 4 more ISO 9241-971:2020 ISO Ergonomics of human-system interaction — Part 971: Accessibility of tactile/haptic interactive systems</p> <p>60.60 Standard published</p> <p>ISO/TC 159/SC 4 more ISO 9886:2004 ISO Ergonomics — Evaluation of thermal strain by physiological measurements</p> <p>90.93 Standard confirmed</p> <p>ISO/TC 159/SC 5 more ISO 9920:2007 ISO Ergonomics of the thermal environment — Estimation of thermal insulation and water vapour resistance of a clothing ensemble</p> <p>90.93 Standard confirmed</p> <p>ISO/TC 159/SC 5 more ISO 9921:2003 ISO Ergonomics — Assessment of speech communication</p>
--	--

	<p>90.93 Standard confirmed</p> <p>ISO/TC 159/SC 5 more ISO/AWI 11228-2 ISO Ergonomics — Manual handling — Part 2: Pushing and pulling</p> <p>20.00 New project registered in TC/SC work programme</p> <p>ISO/TC 159/SC 3 more ISO/CD 11228-3 ISO Ergonomics — Manual handling — Part 3: Repetitive movements and exertions of the upper limbs</p> <p>30.60 Close of voting/ comment period</p> <p>ISO/TC 159/SC 3 more ISO/PWI 13732-1 ISO Ergonomics of the thermal environment — Methods for the assessment of human responses to contact with surfaces — Part 1: Hot surfaces</p> <p>00.00 Proposal for new project received</p> <p>ISO/TC 159/SC 5 more ISO/CD 14505-1 ISO Ergonomics of the thermal environment — Evaluation of thermal environments in vehicles — Part 1: Principles and methods for assessment of thermal stress</p> <p>30.99 CD approved for registration as DIS</p> <p>ISO/TC 159/SC 5 more ISO/CD 14505-2 ISO Ergonomics of the thermal environment — Evaluation of thermal environments in vehicles — Part 2: Determination of equivalent temperature</p> <p>30.99 CD approved for registration as DIS</p>
--	--

	<p>ISO/TC 159/SC 5 more ISO/CD 14505-3 ISO Ergonomics of the thermal environment — Evaluation of thermal environments in vehicles — Part 3: Evaluation of thermal comfort using human subjects</p> <p>30.99 CD approved for registration as DIS</p> <p>ISO/TC 159/SC 5 more</p> <p>ISO/DTS 16710-1 ISO Ergonomics methods — Part 1: Feedback method — A method to understand how end users perform their work with machines</p> <p>50.20 Proof sent to secretariat or FDIS ballot initiated</p> <p>ISO/TC 159/SC 1 more ISO/CD 16710-2 ISO Ergonomics methods — Part 2: A methodology for work analysis to support design</p> <p>30.99 CD approved for registration as DIS</p> <p>ISO/TC 159/SC 1 more ISO/PWI TS 18152 ISO Ergonomics of human-system interaction — Specification for the process assessment of human-system issues</p> <p>00.00 Proposal for new project received</p> <p>ISO/TC 159/SC 4 more ISO/NP 21372 ISO Ergonomics — General ergonomic requirements and recommendations for service</p> <p>10.60 Close of voting</p> <p>ISO/TC 159</p>
--	---

	<p>more ISO/AWI TR 23663 ISO Ergonomics of the thermal environment: Guidance for design, control and evaluation of moderate indoor thermal environments</p> <p>10.99 New project approved</p> <p>ISO/TC 159/SC 5 more ISO/CD TR 23672 ISO Ergonomics of the thermal environment: Adaptive methods for achieving thermal comfort</p> <p>30.00 Committee draft (CD) registered</p> <p>ISO/TC 159/SC 5 more ISO/DIS 24505-1 ISO Ergonomics — Accessible design — Method for creating colour combinations — Part 1: For people with normal colour vision including age related change</p> <p>40.99 Full report circulated: DIS approved for registration as FDIS</p> <p>ISO/TC 159/SC 5 more ISO/DIS 24505-2 ISO Ergonomics — Accessible design — Method for creating colour combinations — Part 2: For people with colour deficiency and low vision</p> <p>40.99 Full report circulated: DIS approved for registration as FDIS</p> <p>ISO/TC 159/SC 5 more ISO/NP 24505-3 ISO Ergonomics — Accessible design — Method for creating colour combinations — Part 3: For population with diverse colour vision</p> <p>10.60 Close of voting</p> <p>ISO/TC 159/SC 5 more ISO/NP 25153</p>
--	--

	<p>ISO Ergonomics — Human-centred design of products and services — Principles and activities</p> <p>10.60 Close of voting</p> <p>ISO/TC 159/SC 1 more ISO/DIS 7726</p> <p>ISO Ergonomics of the thermal environment — Instruments for measuring and monitoring physical quantities</p> <p>40.99 Full report circulated: DIS approved for registration as FDIS</p> <p>ISO/TC 159/SC 5 more ISO/DIS 7730</p> <p>ISO Ergonomics of the thermal environment — Analytical determination and interpretation of thermal comfort using calculation of the PMV and PPD indices and local thermal comfort criteria</p> <p>40.99 Full report circulated: DIS approved for registration as FDIS</p> <p>ISO/TC 159/SC 5 more ISO/DIS 9241-112</p> <p>ISO Ergonomics of human-system interaction — Part 112: Principles for the presentation of information</p> <p>40.60 Close of voting</p> <p>ISO/TC 159/SC 4 more ISO/CD 9241-130</p> <p>ISO Ergonomics of human-system interaction — Part 130: User assistance within interactive systems</p> <p>30.60 Close of voting/ comment period</p> <p>ISO/TC 159/SC 4 more ISO/DIS 9241-161</p> <p>ISO</p>
--	---

	<p>Ergonomics of human-system interaction — Part 161: Guidance on visual user-interface elements</p> <p>40.60 Close of voting</p> <p>ISO/TC 159/SC 4 more ISO/CD 9241-171.2 ISO Ergonomics of human-system interaction — Part 171: Guidance on software accessibility</p> <p>30.20 CD study/ballot initiated</p> <p>ISO/TC 159/SC 4 more ISO/PWI 9241-2 ISO Ergonomics of human-system interaction — Part 2: Applying user tasks in designing and evaluating interactive systems</p> <p>00.00 Proposal for new project received</p> <p>ISO/TC 159/SC 4 more ISO/AWI 9241-222 ISO Ergonomics of human-system interaction — Part 222: Self-assessment of human-centred design approach</p> <p>20.00 New project registered in TC/SC work programme</p> <p>ISO/TC 159/SC 4 more</p> <p>ISO/PWI 9241-250 ISO Ergonomics of human-system interaction — Part 250: Human-centred stakeholder engagement within IT governance</p> <p>00.00 Proposal for new project received</p> <p>ISO/TC 159/SC 4 more ISO/CD TR 9241-313 ISO</p>
--	---

	<p>Ergonomics of human-system interaction — Part 313: Optical measurement methods for reflective displays</p> <p>30.99 CD approved for registration as DIS</p> <p>ISO/TC 159/SC 4 more ISO/PWI 9241-381 ISO</p> <p>Ergonomics of human-system interaction — Part 381: Inter-ocular optical properties of head-mounted displays related to human-system interaction</p> <p>00.00 Proposal for new project received</p> <p>ISO/TC 159/SC 4 more ISO/PWI 9241-382.2 ISO</p> <p>Ergonomics of human-system interaction — Part 382: General requirements for reducing undesirable biomedical effects during visual interactive tasks using head-mounted displays</p> <p>00.00 Proposal for new project received</p> <p>ISO/TC 159/SC 4 more ISO/PWI 9241-385 ISO</p> <p>Ergonomics of human-system interaction — Part 385: Evaluation methods of interactive perceptual stability using HMD systems</p> <p>00.00 Proposal for new project received</p> <p>ISO/TC 159/SC 4 more ISO 9241-5 ISO</p> <p>Ergonomics of human-system interaction — Part 5: Workstation layout and postural requirements</p> <p>60.00 Standard under publication</p> <p>ISO/TC 159/SC 4 more ISO/AWI TR 9241-520 ISO</p>
--	---

	<p>Ergonomics of human-system interaction — Part 520: Ergonomics aspect of Activity Based Working</p> <p>10.99 New project approved</p> <p>ISO/TC 159/SC 4 more ISO/AWI 9241-812 ISO Ergonomics of human-system interaction — Part 812: Guidance on "the ergonomics of" intelligent systems</p> <p>20.00 New project registered in TC/SC work programme</p> <p>ISO/TC 159/SC 4 more ISO/NP 9241-820 ISO Ergonomics of human-system interaction — Part 820: Part 820: Ergonomic guidance on interactions in immersive environments, augmented reality, and virtual reality</p> <p>10.20 New project ballot initiated</p> <p>ISO/TC 159/SC 4 more ISO/FDIS 9241-920 ISO Ergonomics of human-system interaction — Part 920: Tactile and haptic interactions</p> <p>50.20 Proof sent to secretariat or FDIS ballot initiated</p> <p>ISO/TC 159/SC 4 more</p>
<p>Is there a professional certification system for HFE specialists in your country or region?</p>	<p>Yes, an example was given above for an Ergonomics Instructor, but other specialist occupational safety and other relevant courses are also held.</p> <ul style="list-style-type: none"> ▪ For example, those conducted by the Institute for Human Resources Ltd.: https://www.institute-hr.com/%D0%B1%D0%B5%D0%B7%D0%BE%D0%BF%D0%B0%D1%81%D0%BD%D0%B8-%D1%83%D1%81%D0%BB%D0%BE%D0%B2%D0%B8%D1%8F-%D0%BD%D0%B0-%D1%82%D1%80%D1%83%D0%B4/ <p>Safe working conditions in Company training / by Administrator Compulsory training on OSH</p>

	<p>All the specialized trainings organized by us and mandatory under Bulgarian legislation in the field of health and safety at work /OHS/ are practically oriented. Participants who have successfully completed the course receive a certificate valid before the Labor Inspectorate (Chamber of Builders and other organizations).</p> <ul style="list-style-type: none"> ▪ Another example is provided by Inter System BG professional certification training: <p>Healthy and safe working conditions In relation to Ordinance No. RD-07-2 on the terms and conditions for the conduct of periodic training and instruction of employees on the rules for ensuring health and safety at work (SG No. 102/2009) we organize trainings on HEALTH AND SAFE WORKING CONDITIONS.</p> <p>According to the requirements of Art. 6 of the Ordinance - the following are subject to mandatory training on safety and health at work:</p> <ul style="list-style-type: none"> - every two years - the employers – every calendar year = persons in OSH (safety and health at work), = the members of KUT (Working Conditions Committee) = the members of the GUT (Working Conditions Group) = the persons conducting the relevant types of instruction. <p>The training aims to provide the necessary knowledge on occupational health and safety - for employers and persons responsible for OSH, for members of Committees and working conditions groups, for occupational safety and health officials, as well as for persons conducting briefings.</p> <p>Upon successful completion of the training, a certificate is issued in accordance with the requirements of Article 7 of Regulation RD-07-2/16.12.2009 https://intersystembg.com/zdravoslovni-i-bezopasni-uslovia-na-trud/</p> <p>Also another example is: Center for testing and European certification https://ctec-sz.com/product-category/czpo/obucheniya-po-bezopasnost-i-zdrave-pri-rabota/</p> <p>Healthy and safe working conditions</p> <ul style="list-style-type: none"> - Training on health and safety working conditions More - Construction Safety and Health Coordinator More - Control over the quality of execution in construction <p>other</p>
--	---

<p>Do you have a promotion program or special membership categories for early career / students?</p>	<p>Yes, students study Ergonomics at Bachelor and Master level at the Technical University of Varna, Bulgaria, Department of Industrial Design.</p> <p>http://umo.tu-varna.bg/images/uchebni_planove/bakalavar/ID/redovno/ind_br_2021.pdf</p> <p>http://umo.tu-varna.bg/images/stories/uchebni_planove/u_planove_magistar/magistar_redovno/ind_mr_2.pdf</p>
<p>Are there university level courses for HFE specialists in your country?</p>	<p>Yes,</p> <ul style="list-style-type: none"> ▪ Technical University of Varna, Bulgaria, Department of Industrial Design http://www.tu-varna.bg/tu-varnaid/index.php?option=com_content&view=article&id=2&Itemid=3&lang=en PHD : Ergonomics and Industrial Design https://www1.tu-varna.bg/tu-varna/index.php/za-nas/fakulteti-i-kolezhi/fakulteti/mashinno-tehnologichen-fakultet/71-industrialen-dizain-id ▪ Technical University of Sofia, Bulgaria https://www.tu-sofia.bg/specialties/preview/549
<p>Does your society have any official special interest sub-groups, similar to IEA's Technical Committees?</p>	<p>BAEHF has specialists, experts and students in various professional fields and interests.</p>
<p>Are there adequate work opportunities for HFE graduates?</p>	<p>Yes, often these are design-related with industrial, product, transport, etc., as well as those related to safety and control, etc</p>
<p>What issues do you have that you would like to discuss with others at the next IEA meeting?</p>	<p>BAEHF has strong interest in international programs and opportunities for project/s collaboration with partners from other countries (for example this is mandatory for Erasmus + projects where the minimum is transnational partnership from 3 countries). Moreover BAEHF has interest to collaborate in Horizon Europe, Interreg and other EU programs. It will nice IEA to organise groups with similar interests; internal communication between partners; internal storage place for transfer of digital data and update information for upcoming opportunities.</p>

<p>Society activities held since last annual report or planned for the following year.</p>	<p>BAEHF participate in notable international project: Completed 2023 "HEDY" Life in the Ai Era: https://iea.cc/completed-european-union-erasmus-project-hedy-life-in-the-ai-era/lifeintheaiera.eu https://baehfofficial.wixsite.com/baehf/erasmus-project-hedy-life-in-the-ai-era-1</p> <p>Soon completing of "ErgoDesign" Improving digital skills for Ergonomics and Bioengineering Innovations for inclusive Health Care: http://ergodesigner.eu/ https://baehfofficial.wixsite.com/baehf/erasmus-project-ergodesign</p> <p>A new project Strengthening Workplace Safety through Applied Ergonomics in the Digital Age SAFE-D KA210-ADU-F26A6A52 https://safe-d.eu/ https://baehfofficial.wixsite.com/baehf/erasmus-project-safe-d</p> <p>A successfully co-organised WEBINAR: https://baehfofficial.wixsite.com/baehf/workshops</p> <p>virtual workshop: Technology for co-working on health and active life https://kohs.at/cms/en/2024/04/26/virtual-workshop-technology-for-co-working-on-health-and-active-life/</p> <p>Technology → Ergonomics → OH → health care → AAL <<< towards human centered AI >>></p> <p>When & where: place: virtual (link will be provided) date: June 13th 2024 14:00 duration: ~2 hours application: please use the application form at the bottom contact: events@kohs.at</p> <p>Overall subject:</p> <p>The health care systems in the European regions are in transition. A wise integration of innovative processes in primary care, competence improvement strategies and the use of technology will be the key for a successful implementation of a demanding change.</p> <p>Together with partners in research and practice KOHS is being developing a new format of interdisciplinary collaboration. The idea is to foster activities in communities of health care, ergonomics, occupational health and technology research.</p> <p>Topics of the workshop will be actual demands in health care (secondary users), applications of technology to meet this demands, technology (focusing on open platforms,</p>
---	--

	<p>open source), integrated processes to enable co-working on health of primary users and the health of health care workers (challenges for health care organisations and occupational health (tertiary users).</p> <p>Topics of the workshop:</p> <p>Introduction to the concept (format of collaboration)</p> <p>Actual challenges in health care</p> <p>“New” approach: Community health care → co-working on health → active life</p> <p>Focus on the AAL domain – concepts of agile development</p> <p>Data – need of data and data structures (open data)</p> <p>Approach of: Integrated learning</p> <p>Approach of: Joint cognitive systems (JCS)</p> <p>Relevant aspects of Ergonomics</p> <p>Management of change</p> <p>Speaker lineup:</p> <p>Michael Wichtl, Secretary of Austrian Ergonomics Association, Vienna, Austria Gyula Szabó, Óbuda University, Bánki Donát Faculty of Mechanical and Safety Engineering, President of the Hungarian Ergonomics Society, Budapest, Hungary Tihomir Dovramadjiev, Technical University of Varna, Bulgaria, President of Bulgarian Association of Ergonomics and Human Factors (BAEHF) Alexander Burov, Institute for Digitalisation of Education, Kyiv, Ukraine Jaime Filipe Correia, INEGI, Biomechanics and Health, Portugal Thomas Dreibholz, Simula@OsloMet — Simula Metropolitan Centre for Digital Engineering Centre for Resilient Networks and Applications, Oslo, Norway Carina Dantas, SHINE 2Europe, Coimbra, Portugal Jan-Marc Verlinden, medrecord.io, The Netherlands Martin Morandell, Health University of Applied Sciences Tyrol, General secretary AAL Austria, Tyrol, Austria Harald Kwiecien, KOHS, Vienna, Austria</p> <p>As a result of professional competence and successful collaboration between various experts and cyber security specialists from around the world, the book: "NEW PERSPECTIVES IN BEHAVIORAL CYBERSECURITY" Human Behavior and Decision-Making Models was successfully published in the prestigious Taylor and Francis Group in 2023. Edited By Wayne Patterson. CYBERSECURITY / Section I. Cybersecurity Concerns in the Work</p>
--	---

	<p>Environment.1. Management and Security of Financial Data Through Integrated Software Solutions. R. Dimova, R. Filchev and T. Dovramadjiev. 1st Edition. ISBN 9781032414775, August 8, 2023, CRC Press, 192 Pages 66 B/W Illustrations. https://www.routledge.com/New-Perspectives-in-Behavioral-Cybersecurity-Human-Behavior-and-Decision-Making/Patterson/p/book/9781032414775# https://images.routledge.com/common/jackets/amazon/978103241/9781032414775.jpg</p>
--	---

Any other comments: