

ISO 14971:2019

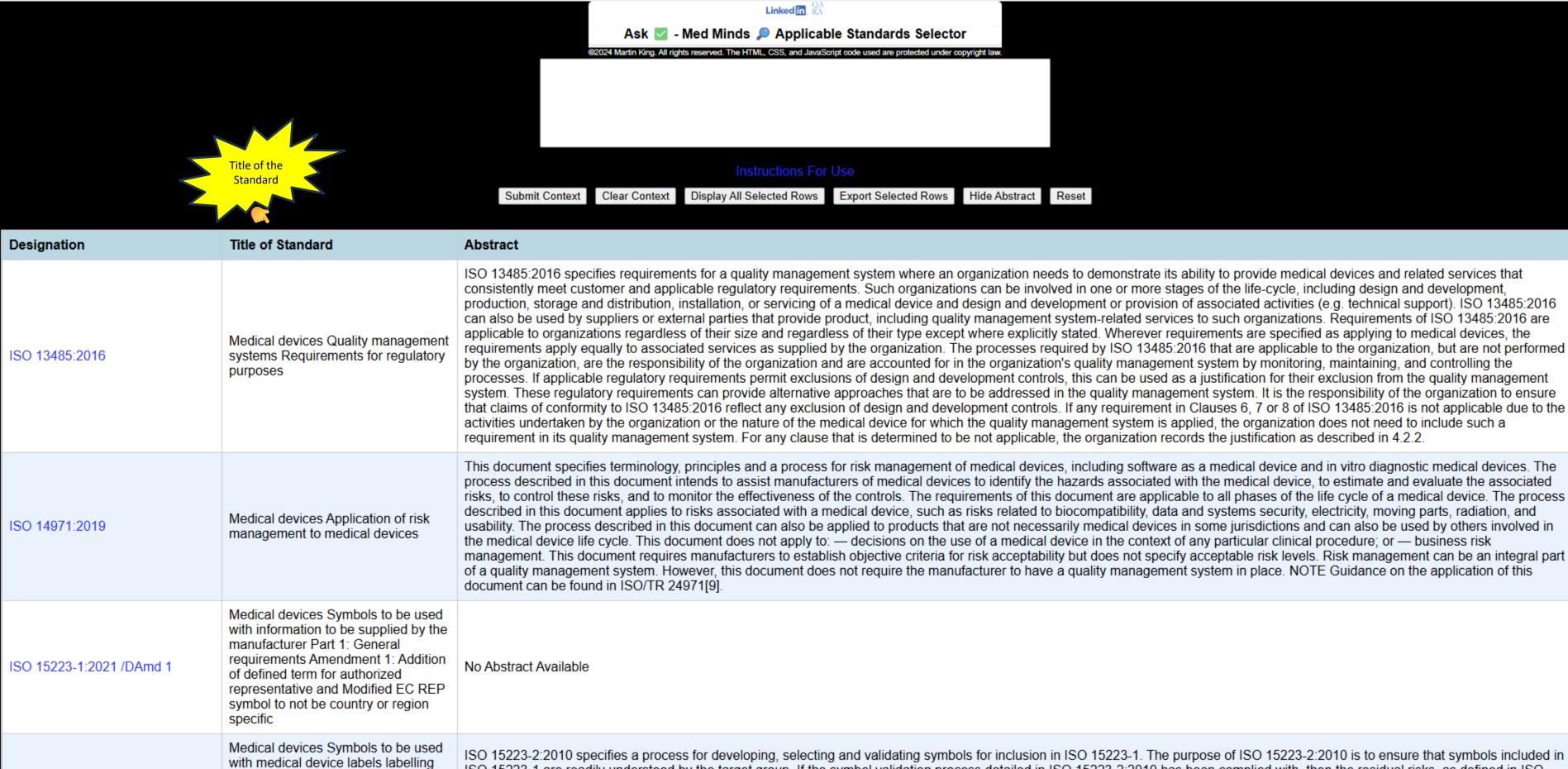
ISO 13485:2016	Medical devices Quality management systems Requirements for regulatory purposes	consistently meet customer and applicable regulatory requirements. Such organizations can be involved in one or more stages of the life-cycle, including design and development, production, storage and distribution, installation, or servicing of a medical device and design and development or provision of associated activities (e.g. technical support). ISO 13485:2016 can also be used by suppliers or external parties that provide product, including quality management system-related services to such organizations. Requirements of ISO 13485:2016 are applicable to organizations regardless of their size and regardless of their type except where explicitly stated. Wherever requirements are specified as applying to medical devices, the requirements apply equally to associated services as supplied by the organization. The processes required by ISO 13485:2016 that are applicable to the organization, but are not performed by the organization, are the responsibility of the organization and are accounted for in the organization's quality management system by monitoring, maintaining, and controlling the processes. If applicable regulatory requirements permit exclusions of design and development controls, this can be used as a justification for their exclusion from the quality management system. It is the responsibility of the organization to ensure that claims of conformity to ISO 13485:2016 reflect any exclusion of design and development controls. If any requirement in Clauses 6, 7 or 8 of ISO 13485:2016 is not applicable due to the activities undertaken by the organization or the nature of the medical device for which the quality management system is applied, the organization does not need to include such a requirement in its quality management system. For any clause that is determined to be not applicable, the organization records the justification as described in 4.2.2.
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This document specifies terminology, principles and a process for risk management of medical devices, including software as a medical device and in vitro diagnostic medical devices. The process described in this document intends to assist manufacturers of medical devices to identify the hazards associated with the medical device, to estimate and evaluate the associated risks, to control these risks, and to monitor the effectiveness of the controls. The requirements of this document are applicable to all phases of the life cycle of a medical device. The process described in this document applies to risks associated with a medical device, such as risks related to biocompatibility, data and systems security, electricity, moving parts, radiation, and Medical devices Application of risk usability. The process described in this document can also be applied to products that are not necessarily medical devices in some jurisdictions and can also be used by others involved in management to medical devices the medical device life cycle. This document does not apply to: — decisions on the use of a medical device in the context of any particular clinical procedure; or — business risk management. This document requires manufacturers to establish objective criteria for risk acceptability but does not specify acceptable risk levels. Risk management can be an integral part of a quality management system. However, this document does not require the manufacturer to have a quality management system in place. NOTE Guidance on the application of this document can be found in ISO/TR 24971[9].

with information to be supplied by the manufacturer Part 1: General requirements Amendment 1: Addition No Abstract Available of defined term for authorized representative and Modified EC REP symbol to not be country or region specific Medical devices Symbols to be used ISO 15223-2:2010 specifies a process for developing, selecting and validating symbols for inclusion in ISO 15223-1. The purpose of ISO 15223-2:2010 is to ensure that symbols included in with medical device labels labelling ISO 15223-1 are readily understood by the target group. If the symbol validation process detailed in ISO 15223-2:2010 has been complied with, then the residual risks, as defined in ISO and information to be supplied Part 2:

14971 and IEC 62366, associated with the usability of a medical device symbol are presumed to be acceptable, unless there is objective evidence to the contrary. ISO 15223-2:2010 is not restricted to symbols intended to meet regulatory requirements or specified in regulatory guidelines on labelling.

Medical devices Symbols to be used ISO 15223-1:2021 /DAmd 1 ISO 15223-2:2010 Symbol development selection and validation Primary packaging materials for medicinal products Particular requirements for the application of ISO 15378:2017 /Amd 1:2024 ISO 9001:2015 with reference to No Abstract Available



ISO 15223-2:2010

Medical devices Symbols to be used with medical device labels labelling and information to be supplied Part 2: Symbol development selection and validation

ISO 15223-2:2010

Medical devices Symbols to be used with medical device labels labelling and information to be supplied Part 2: Symbol development selection and validation

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requirements for the application of

No Abstract Available

ISO 9001:2015 with reference to

ISO 15378:2017 /Amd 1:2024



No Abstract Available

No Abstract Available

ISO 14971:2019

ISO 15223-1:2021 /DAmd 1

ISO 15378:2017 /Amd 1:2024

ISO 15223-2:2010

management to medical devices

with information to be supplied by the

requirements Amendment 1: Addition

manufacturer Part 1: General

of defined term for authorized

Primary packaging materials for medicinal products Particular requirements for the application of

ISO 9001:2015 with reference to

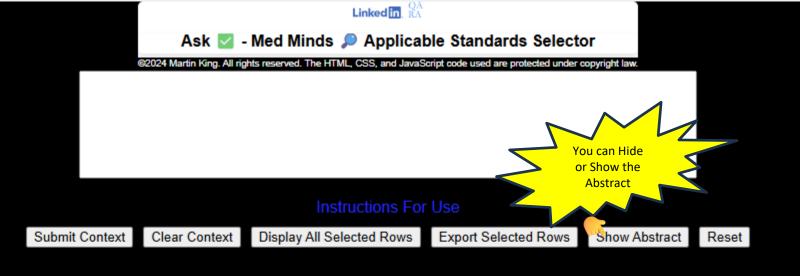
specific

validation

ISO 13485:2016	Medical devices Quality management systems Requirements for regulatory purposes	ISO 13485:2016 specifies requirements for a quality management system where an organization needs to demonstrate its ability to provide medical devices and related services that consistently meet customer and applicable regulatory requirements. Such organizations can be involved in one or more stages of the life-cycle, including design and development, production, storage and distribution, installation, or servicing of a medical device and design and development or provision of associated activities (e.g. technical support). ISO 13485:2016 can also be used by suppliers or external parties that provide product, including quality management system-related services to such organizations. Requirements of ISO 13485:2016 are applicable to organizations regardless of their size and regardless of their type except where explicitly stated. Wherever requirements are specified as applying to medical devices, the requirements apply equally to associated services as supplied by the organization. The processes required by ISO 13485:2016 that are applicable to the organization, but are not performed by the organization, are the responsibility of the organization and are accounted for in the organization's quality management system by monitoring, maintaining, and controlling the processes. If applicable regulatory requirements permit exclusions of design and development controls, this can be used as a justification for their exclusion from the quality management system. These regulatory requirements can provide alternative approaches that are to be addressed in the quality management system. It is the responsibility of the organization to ensure that claims of conformity to ISO 13485:2016 reflect any exclusion of design and development controls. If any requirement in Clauses 6, 7 or 8 of ISO 13485:2016 is not applicable due to the activities undertaken by the organization or the nature of the medical device for which the quality management system is applied, the organization does not need to include such a requirement in its q
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ISO 14971:2019	Medical devices Application of risk management to medical devices
ISO 15223-1:2021 /DAmd 1	Medical devices Symbols to be used with information to be supplied by the manufacturer Part 1: General requirements Amendment 1: Addition of defined term for authorized representative and Modified EC REP symbol to not be country or region specific
ISO 15223-2:2010	Medical devices Symbols to be used with medical device labels labelling and information to be supplied Part 2: Symbol development selection and validation
ISO 15378:2017 /Amd 1:2024	Primary packaging materials for medicinal products Particular requirements for the application of ISO 9001:2015 with reference to good manufacturing practice (GMP) Amendment 1: Climate action changes

Medical devices Quality management systems Requirements for regulatory purposes

Title of Standard

Designation

ISO 13485:2016

ISO 16142-1:2016

ISO 16142-2:2017

ISO/TS 19218-2:2012

ISO/TR 19244:2014

ISO/TR 20416:2020

ISO/TR 24971:2020

IEC 80001-1:2021

ISO/TR 80001-2-6:2014

ISO/TR 80001-2-7:2015

IEC 62304:2006 /Amd 1:2015

IEC 62366-1:2015 /Cor 1:2016

ISO 20069:2019

ISO 20417:2021

Medical devices Recognized essential principles of safety and performance of medical devices Part 1: General essential principles and additional specific essential principles for all non-IVD medical devices and guidance on the selection of standards

Medical devices Recognized essential principles of safety and performance of medical devices Part 2: General essential principles and additional specific essential

principles for all IVD medical devices and guidance on the selection of standards

Medical devices Hierarchical coding structure for adverse events Part 2: Evaluation codes

Guidance on transition periods for standards developed by ISO/TC 84 Devices for administration of medicinal products and catheters

Guidance on transition periods for standards developed by ISO/TC 84 Devices for administration of medicinal products and catheters

Guidance for assessment and evaluation of changes to drug delivery systems

Medical devices Post-market surveillance for manufacturers

Medical devices Information to be supplied by the manufacturer

Medical devices Guidance on the application of ISO 14971

Medical device software Software life cycle processes Amendment 1

Medical devices Part 1: Application of usability engineering to medical devices Technical Corrigendum 1

Application of risk management for IT-networks incorporating medical devices Part 1: Safety effectiveness and security in the implementation and use of connected medical devices or connected health software

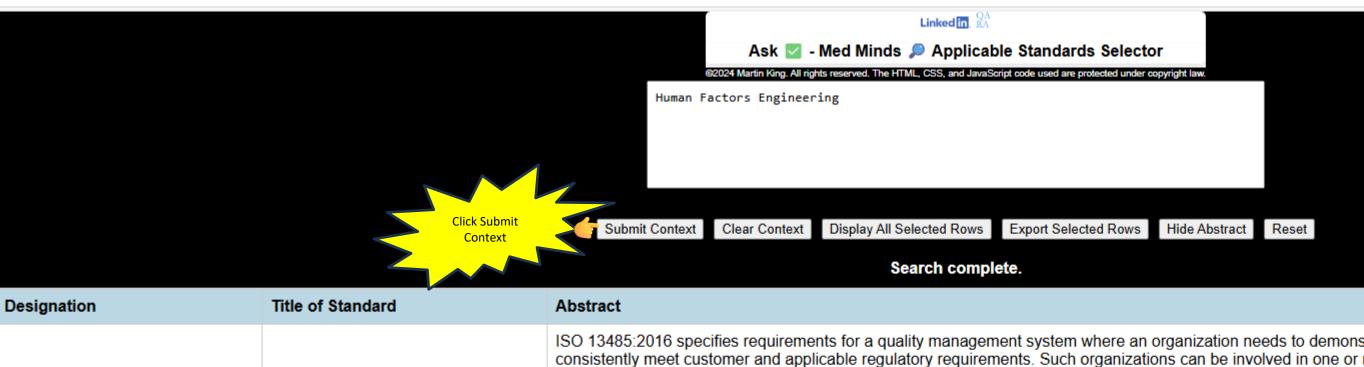
Application of risk management for IT-networks incorporating medical devices Part 2-6: Application guidance Guidance for responsibility agreements

Application of risk management for IT-networks incorporating medical devices Application guidance Part 2-7: Guidance for healthcare delivery organizations (HDOs) on how to self-assess their conformance with IEC 80001-1



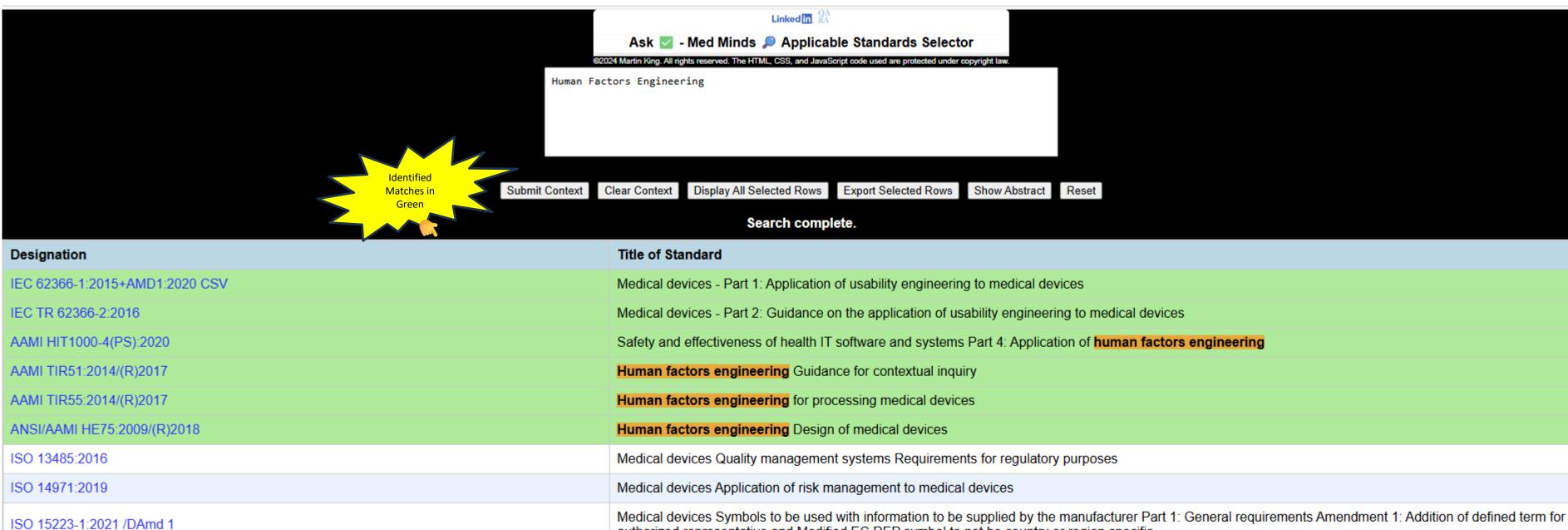
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ISO 15223-1:2021 /DAmd 1	Medical devices Symbols to be used with information to be supplied by the manufacturer Part 1: General requirements Amendment 1: Addition of defined term for authorized representative and Modified EC REP symbol to not be country or region specific	No Abstract Available
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(GMP) Amendment 1: Climate action changes

ISO 15223-2:2010

ISO 16142-1:2016

ISO 16142-2:2017

ISO/TS 19218-2:2012

ISO/TR 19244:2014

ISO/TR 20416:2020

ISO/TR 24971:2020

ISO 20069:2019

ISO 20417:2021

ISO 15378:2017 /Amd 1:2024

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principles for all non-IVD medical devices and guidance on the selection of standards

Medical devices Hierarchical coding structure for adverse events Part 2: Evaluation codes

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Guidance for assessment and evaluation of changes to drug delivery systems

Medical devices Post-market surveillance for manufacturers

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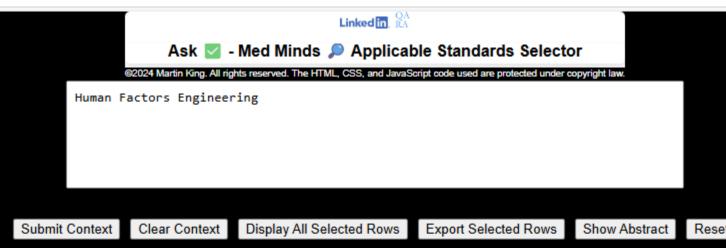
Medical devices Symbols to be used with medical device labels labelling and information to be supplied Part 2: Symbol development selection and validation

Primary packaging materials for medicinal products Particular requirements for the application of ISO 9001:2015 with reference to good manufacturing practice

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Guidance on transition periods for standards developed by ISO/TC 84 Devices for administration of medicinal products and catheters



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Title of Standard

AAMI HIT1000-4(PS):2020 Safety and effectiveness of health IT software and systems Part 4: Application of human factors engineering AAMI TIR51:2014/(R)2017 Human factors engineering Guidance for contextual inquiry AAMI TIR55:2014/(R)2017 Human factors engineering for processing medical devices ANSI/AAMI HE75:2009/(R)2018 Human factors engineering Design of medical devices ISO 13485:2016 Medical devices Quality management systems Requirements for regulatory purposes

Medical devices Symbols to be used with information to be supplied by the manufacturer Part 1: General requirements Amendment 1: Addition of defined term for authorized representative and Modified EC REP symbol to not be country or region specific

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ISO/TR 24971:2020

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ISO 20417:2021

ISO 15223-1:2021 /DAmd 1

ISO 15378:2017 /Amd 1:2024

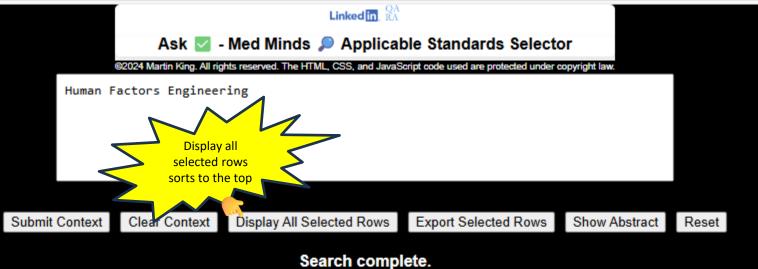
IEC 62366-1:2015+AMD1:2020 CSV Medical devices - Part 1: Application of usability engineering to medical devices IEC TR 62366-2:2016 Medical devices - Part 2: Guidance on the application of usability engineering to medical devices

Medical devices Application of risk management to medical devices

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Medical devices Hierarchical coding structure for adverse events Part 2: Evaluation codes

Medical devices Post-market surveillance for manufacturers



Medical devices - Part 1: Application of usability engineering to medical devices

Medical devices - Part 2: Guidance on the application of usability engineering to medical devices

Human factors engineering Design of medical devices

Title of Standard

Designation

ANSI/AAMI HE75:2009/(R)2018

IEC TR 62366-2:2016

ISO 20417:2021

ISO/TR 24971:2020

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IEC 62366-1:2015+AMD1:2020 CSV

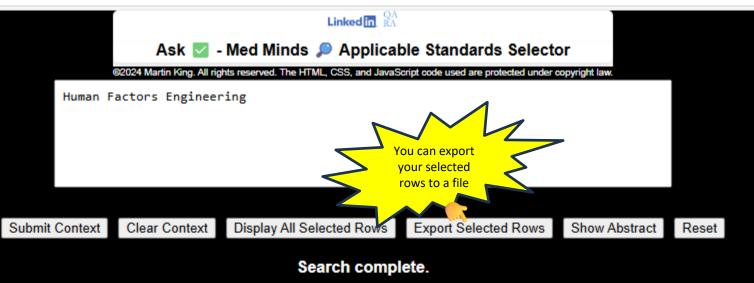
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AAMI TIR51:2014/(R)2017	Human factors engineering Guidance for contextual inquiry
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ISO 14971:2019	Medical devices Application of risk management to medical devices

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- Medical devices Hierarchical coding structure for adverse events Part 2: Evaluation codes ISO/TS 19218-2:2012
- Guidance on transition periods for standards developed by ISO/TC 84 Devices for administration of medicinal products and catheters
- ISO/TR 19244:2014 ISO 20069:2019 Guidance for assessment and evaluation of changes to drug delivery systems
- Medical devices Post-market surveillance for manufacturers ISO/TR 20416:2020

Medical devices Information to be supplied by the manufacturer

Medical devices Guidance on the application of ISO 14971



Medical devices - Part 1: Application of usability engineering to medical devices

Human factors engineering Design of medical devices

Title of Standard

Designation

ANSI/AAMI HE75:2009/(R)2018

IEC TR 62366-2:2016

ISO 16142-1:2016

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ISO/TS 19218-2:2012

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ISO/TR 20416:2020

ISO/TR 24971:2020

ISO 20069:2019

ISO 20417:2021

AAMI HIT1000-4(PS):2020

AAMI TIR51:2014/(R)2017

IEC 62366-1:2015+AMD1:2020 CSV

AAMI TIR55:2014/(R)2017	Human factors engineering for processing medical devices
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ISO 14971:2019	Medical devices Application of risk management to medical devices
ISO 15223-1:2021 /DAmd 1	Medical devices Symbols to be used with information to be supplied by the manufacturer Part 1: General requirements Amendment 1: Addition of defined term for authorized representative and Modified EC REP symbol to not be country or region specific

Human factors engineering Guidance for contextual inquiry

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Medical devices - Part 2: Guidance on the application of usability engineering to medical devices

Safety and effectiveness of health IT software and systems Part 4: Application of human factors engineering

Medical devices Recognized essential principles of safety and performance of medical devices Part 1: General essential principles and additional specific essential

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Medical devices Post-market surveillance for manufacturers

Medical devices Guidance on the application of ISO 14971

Medical devices Information to be supplied by the manufacturer

			Reset
Designation	Title of Standard	Abstract	Link
IEC 62366-1:2015+AMD1:2020 CSV	Medical devices - Part 1: Application of usability engineering to medical devices	IEC 62366-1:2015+A1:2020 specifies a process for a manufacturer to analyse, specify, develop and evaluate the usability of a medical device as it relates to safety. This usability engineering (human factors engineering) process permits the manufacturer to assess and mitigate risks associated with correct use and use errors, i.e., normal use. It can be used to identify but does not assess or mitigate risks associated with abnormal use. This first edition of IEC 62366-1, together with the first edition of IEC 62366-2 (not published yet), cancels and replaces the first edition of IEC 62366 published in 2007 and its Amendment 1:2014. Part 1 has been updated to include contemporary concepts of usability engineering, while also streamlining the process. It strengthens links to ISO 14971:2007 and the related methods of risk management as applied to safety related aspects of medical device user interfaces. Part 2, once published, will contain tutorial information to assist manufactures in complying with Part 1, as well as offering more detailed descriptions of usability engineering methods that can be applied more generally to medical devices that go beyond safety-related aspects of medical device user interfaces. The contents of the corrigendum of July 2016 have been included in this copy. This consolidated version consists of the first edition (2015) and its amendment 1 (2020). Therefore, no need to order amendment in addition to this publication.	https://webstore.iec.ch/en/iec- search/result?q=IEC%2062366- 1%3A2015%2BAMD1%3A2020%20CSV
IEC TR 62366-2:2016	Medical devices - Part 2: Guidance on the application of usability engineering to medical devices	IEC TR 62366-2:2016(E), which is a Technical Report, contains background information and provides guidance that addresses specific areas that experience suggests can be helpful for those implementing a USABILITY ENGINEERING (HUMAN FACTORS ENGINEERING) PROCESS both as defined in IEC 62366-1:2015 and as supporting goals other than SAFETY. This technical report is not intended to be used for regulatory purposes. It contains no requirements and only provides guidance and tutorial information. This publication is to be read in conjunction with.	nttps://webstore.iec.cn/en/iec- search/result2g=IFC%20TR%2062366-
ANSI/AAMI HE75:2009/(R)2018	Human factors engineering Design of medical devices	This recommended practice covers general human factors engineering (HFE) principles, specific HFE principles geared towards certain user-interface attributes, and special applications of HFE (e.g., connectors, controls, visual displays, automation, software-user interfaces, hand tools, workstations, mobile medical devices, home health care devices).	https://store.aami.org/s/store?_gl=1*1t8pqua *_gcl_au*NzcxMTM3NDg2LjE3MjczMjY5NDI.*_ ga*MTQ3NDU1MzMyLjE3MjczMjY5NDI.*_ga_P MV3KJP116*MTcyNzM0MTcyNy4yLjEuMTcyNz M0MTczMi4wLjAuMA#/store/browse/detail/a 152E000006j67OQAQ
	Medical devices	ISO 13485:2016 specifies requirements for a quality management system where an organization needs to demonstrate its ability to provide medical devices and related services that consistently meet customer and applicable regulatory requirements. Such organizations can be involved in one or more stages of the life-cycle, including design and development, production, storage and distribution, installation, or servicing of a medical device and design and development or provision of associated activities (e.g. technical support). ISO 13485:2016 can also be used by suppliers or external parties that provide product, including quality management system-related services to such organizations. Requirements of ISO 13485:2016 are applicable to organizations regardless of their size and regardless of their type except where explicitly stated. Wherever requirements are specified as applying to medical devices, the requirements apply equally to associated services as supplied by the organization.	

Quality management The processes required by ISO 13485:2016 that are applicable to the organization, but are not performed