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Safety and effectiveness of health IT software and systems—Part 1: Fundamental concepts, principles, and requirements





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Abstract: Identifies the fundamental concepts and principles for creating, integrating, and implementing health

IT software and health IT systems to maintain safety and effectiveness.

Keywords: health software, health IT, quality, quality systems, risk, risk management, usability, human factors

engineering, safety, effectiveness, security, assurance case, safety assurance case, health IT

system, sociotechnical system

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	6.3.3	Top Management shall monitor the performance of health IT software or a health IT system to assure that it is functioning safely and effectively	
	6.4	Top management responsibilities	
	6.4.1	In executing the health IT processes for a given lifecycle stage, Top Management, at a minimum, shall do the following:	
	6.4.2	Top Management shall ensure that appropriate levels of authorization for the health IT software or health IT system and its safety documentation are defined	
	6.5	Health IT safety owner	
	6.5.1	A Health IT Safety Owner shall be suitably qualified and have clinical workflow and systems knowledge.	
	6.5.2	A Health IT Safety Owner shall have appropriate information systems knowledge	
	6.5.3	A Health IT Safety Owner shall be knowledgeable in quality and risk management and their application to health IT domains	
	6.5.4	A Health IT Safety Owner shall make sure that the processes defined for health IT are followed.	
	6.6	Products not intended for the purpose of affecting human health and health care	
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7		nenting health IT safety	
	7.1	These requirements apply to every organization that is involved in developing, integrating, implementing, and operating health IT software or a health IT system. Each stage (development, integration, implementation, operation) should have its own documentation that includes, at a minimum, the following:	
	7.2	As the health IT software advances through its lifecycle, its safety assurance case is incorporated into the health IT system safety assurance case and the safety assurance case for	
		using the health IT system in the larger health IT sociotechnical ecosystem.	
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