## DIN EN ISO 9241-210:2020-03 (E)

Ergonomics of human-system interaction - Part 210: Human-centred design for interactive systems (ISO 9241-210:2019)

Co	ntents	Pa	age			
Eur	opean fo	oreword	4			
		n				
_	Scope					
1	-					
2						
3	Terms and definitions					
4	Rationale for adopting human-centred design					
5	Princ	Principles of human-centred design				
	5.1	General				
	5.2	The design is based upon an explicit understanding of users, tasks and environments				
	5.3	Users are involved throughout design and development				
	5.4	The design is driven and refined by user-centred evaluation				
	5.5 5.6	The process is iterative				
	5.7	The design team includes multidisciplinary skills and perspectives				
6	Planning human-centred design					
	6.1	General	15			
	6.2	Responsibility				
	6.3	Content of plan	15			
	6.4	Integration with project plan				
	6.5	Timing and resources				
7	Human-centred design activities					
	7.1	General				
	7.2	Understanding and specifying the context of use				
		7.2.1 General 7.2.2 Context-of-use description				
		7.2.3 Sufficient detail to support design				
		7.2.4 Context of use specified for design				
	7.3	Specifying the user requirements				
		7.3.1 General	19			
		7.3.2 Identifying user and other stakeholder needs				
		7.3.3 Deriving user requirements				
		<ul><li>7.3.4 Resolving trade-offs between user requirements</li><li>7.3.5 Ensuring the quality of user requirements specifications</li></ul>				
	7.4	Producing design solutions				
	7.1	7.4.1 General				
		7.4.2 Designing user tasks, user–system interaction and user interface to meet				
		user requirements, taking into consideration the whole user experience				
		7.4.3 Making design solutions more concrete				
		7.4.4 Altering the design solutions based on user-centred evaluation and feedback.				
		7.4.5 Communicating the design solution to those responsible for implementation	Z -			

			Communicating the design solution to those responsible for implementation				
	7.5 I	Evaluati	ing the design	23			
	7	7.5.1	ing the designGeneral	23			
	7	7.5.2	Conducting user-centred evaluation User-centred evaluation methods	24			
	7	7.5.3	User-centred evaluation methods	24			
	7	7.5.4	User-based testing	24			
	7	7.5.5	User-based testingInspection-based evaluation	25			
	7	7.5.6	Long-term monitoring	25			
8	Sustain	ability	and human-centred design	26			
9	Confor	mance.		26			
Annex	Annex A (informative) Overview of the ISO 9241 series						
Annex	<b>B</b> (infor	mative	Sample procedure for assessing applicability and conformance	29			
Biblio	Bibliography						