

# DIN 92419:2020-01 (E)

## Principles of the ergonomic design of assistive systems

---

<b>Contents</b>	<b>Page</b>
Foreword .....	3
Introduction .....	4
1 Scope .....	5
2 Normative references .....	5
3 Terms and definitions.....	5
4 Design principles and associated recommendations .....	6
4.1 General .....	6
4.2 Acceptance.....	7
4.2.1 Description.....	7
4.2.2 Recommendation 1.....	7
4.2.3 Recommendation 2.....	7
4.2.4 Recommendation 3.....	8
4.2.5 Recommendation 4.....	8
4.2.6 Recommendation 5.....	8
4.3 Safety, security and privacy .....	8
4.3.1 Description.....	8
4.3.2 Recommendation 1.....	9
4.3.3 Recommendation 2.....	9
4.3.4 Recommendation 3.....	9
4.3.5 Recommendation 4.....	9
4.4 Optimization of the resultant internal load.....	10
4.4.1 Description.....	10
4.4.2 Recommendation 1.....	10
4.4.3 Recommendation 2.....	10
4.5 Controllability .....	10
4.5.1 Description.....	10
4.5.2 Recommendation 1.....	10
4.5.3 Recommendation 2.....	11
4.6 Adaptability.....	11
4.6.1 Description.....	11
4.6.2 Recommendation 1.....	11
4.6.3 Recommendation 2.....	11
4.6.4 Recommendation 3.....	11
4.7 Perceptibility and recognizability .....	11
4.7.1 Description.....	11
4.7.2 Recommendation 1.....	12
4.7.3 Recommendation 2.....	12
Annex A (informative) Overview of principles and recommendations.....	13
Bibliography .....	15