

DIN EN 894-1:1997-04 (E)

Safety of machinery - Ergonomic requirements for the design of displays and control actuators - Part 1: General principles for human interactions with displays and control actuators; German version EN 894-1:1997

Contents

	Page
Foreword	2
0 Introduction	2
1 Scope	3
2 Normative references	3
3 Definitions	3
3.1 Control actuator	3
3.2 Display	3
3.3 Operator	3
4 Design principles for operator-task relationships	3
4.1 Suitability for the task	4
4.1.1 Principle of function allocation	4
4.1.2 Principle of complexity	4
4.1.3 Principle of grouping	4
4.1.4 Principle of identification	5
4.1.5 Principle of operational relationship	5
4.2 Self-descriptiveness	5
4.2.1 Principle of information availability	5
4.3 Controllability	6
4.3.1 Principle of redundancy	6
4.3.2 Principle of accessibility	6
4.3.3 Principle of movement space	6
4.4 Conformity with user expectations	7
4.4.1 Principle of compatibility with learning	7
4.4.2 Principle of compatibility with practice	7
4.4.3 Principle of consistency	7
4.5 Error tolerance	7
4.5.1 Principle of error correction	7
4.5.2 Principle of error handling time	8
4.6 Suitability for individualization and learning	8
4.6.1 Principle of flexibility	8
Annex A (informative) Human information processing	9
Annex ZA (informative) Relationship between this European Standard and the EU Directive for Machinery	16