

Contents	Page
Foreword	iv
Introduction	v
1 Scope	1
2 Normative references	1
3 Terms and definitions	1
4 Interaction principles	4
4.1 Overview.....	4
4.2 Coverage of this set of interaction principles and general design recommendations.....	5
4.3 Use of the interaction principles in human-centred design.....	5
4.4 Contribution of the interaction principles to usability.....	6
4.5 Relationships between interaction principles.....	6
4.6 Framework for using this document.....	6
5 Principles and recommendations	8
5.1 Suitability for the user's tasks.....	8
5.1.1 Principle.....	8
5.1.2 Recommendations related to identifying suitability of the interactive system for a given task.....	9
5.1.3 Recommendations related to optimizing effort in task accomplishment.....	9
5.1.4 Recommendations related to defaults supporting the task.....	9
5.2 Self-descriptiveness.....	10
5.2.1 Principle.....	10
5.2.2 Recommendations related to presence and obviousness of the information.....	10
5.2.3 Recommendations related to clear indication of processing status.....	11
5.3 Conformity with user expectations.....	11
5.3.1 Principle.....	11
5.3.2 Recommendations related to appropriate system behaviour and responses.....	12
5.3.3 Recommendations related to consistency (internal and external).....	13
5.3.4 Recommendations related to changes in the context of use.....	13
5.4 Learnability.....	14
5.4.1 Principle.....	14
5.4.2 Recommendations related to discovery.....	14
5.4.3 Recommendations related to exploration.....	15
5.4.4 Recommendations related to retention.....	15
5.5 Controllability.....	15
5.5.1 Principle.....	15
5.5.2 Recommendations related to interruption by the user.....	16
5.5.3 Recommendations related to flexibility.....	16
5.5.4 Recommendations related to individualization.....	17
5.6 Use error robustness.....	18
5.6.1 Principle.....	18
5.6.2 Recommendations related to use error avoidance.....	18
5.6.3 Recommendations related to use error tolerance.....	19
5.6.4 Recommendations related to use error recovery.....	19
5.7 User engagement.....	20
5.7.1 Principle.....	20
5.7.2 Recommendations related to motivating the user to use the system.....	21
5.7.3 Recommendations related to trustworthiness of the system.....	22
5.7.4 Recommendations related to increasing user involvement with the system.....	23
Annex A (informative) Checklist to aid in applying the recommendations in this document	24
Bibliography	31