ISO/IEC 29140:2021-11 (E)

Information technology for learning, education and training - Nomadicity and mobile technologies

Contents

Page

Foreword iv

Introduction v

1 Scope 1

2 Normative references 1

3 Termsanddefinitions 1

4 Abbreviated terms 3

5 Examples of mobile learning applications 3
5.1 Online student use of mobile devices for learning 3
5.2 Fluent speaking in English/fluent reading 3
5.3 Digital textbook for innovative learning 3
5.4 Mobile learning technology among final year medical students 3
5.5 Augmented reality training system 4
5.6 App for exam practice 4
5.7 Implementation of app for academic success 4
5.8 Tutoring, games and applications for language learning 4
5.9 Evaluation of key factors that affect learner-empowered emergent technology integration 4
5.10 Other examples of mobile technology for learning 4

6 Learner information for mobile learning 5
6.1 General 5
6.2 Learner information model for mobile learning 6
6.3 Minimum recommended learner information 7
6.4 Optional learner information 7
6.5 Dimensions for optimal learner experience 8
6.5.1 General 8
6.5.2 Learner dimension 9
6.5.3 Content dimension for individual learner needs 9
6.5.4 Device capability dimension to maximize the use of the mobile device 10
6.5.5 Connectivity dimension to perform at different connection speeds 11
6.5.6 Coordination 12

7 Learner interaction with mobile learning system 12
7.1 General 12
7.2 Learners 13
7.3 Resources 13
7.4 ITLET system 14
7.5 Devices 14
7.6 Interface 14
7.7 Environment 15

8 Additional considerations 16

Bibliography 17