

ISO/IEC TS 29140:2020 (E)

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

Contents

	Foreword
	Introduction
1	Scope
2	Normative references
3	Terms and definitions
4	Abbreviated terms
5	Examples of mobile learning applications
5.1	Examples in this document
5.2	Other examples of mobile technology for learning
6	Learner information for mobile learning
6.1	General
6.2	Learner information model for mobile learning
6.3	Minimum recommended learner information
6.4	Optional learner information
6.5	Dimensions for optimal learner experience
6.5.1	General
6.5.2	Learner dimension
6.5.3	Content dimension for individual learner needs
6.5.4	Device capability dimension to maximize the use of the mobile device
6.5.5	Connectivity dimension to perform at different connection speeds
6.5.6	Coordination
7	Learner interaction with mobile learning system
8	Additional considerations
Annex A	(informative) Use case 1: Online student use of mobile devices for learning
A.1	Use case provider
A.2	Current information technologies used to support learner mobility and mobile learning
A.3	Scenario for adapting learner mobility and mobile learning in LET fields
A.3.1	Title
A.3.2	Players (including target)
A.3.3	Description of scenario
A.4	Elements that are used in ITLET systems that support learner mobility and mobile learning in LET fields
A.5	Problems encountered in e-Learning for learner mobility and mobile learning
A.6	Other comments about this project
Annex B	(informative) Use case 2: Fluent speaking in English/fluent reading
B.1	Use case provider
B.2	Current information technologies used to support learner mobility and mobile learning
B.3	Scenario for adapting learner mobility and mobile learning in LET fields
B.3.1	Title
B.3.2	Players (including target)
B.3.3	Description of scenario

- B.4 Elements that are used in ITLET systems that support learner mobility and mobile learning in LET fields
- B.5 Problems encountered in e-Learning for learner mobility and mobile learning
- B.6 Other comments about this project

Annex C (informative) Use case 3: Digital textbook for innovative learning

- C.1 Use case provider
- C.2 Current information technologies used to support learner mobility and mobile learning
- C.3 Scenario for adapting learner mobility and mobile learning in LET fields
 - C.3.1 Title
 - C.3.2 Players (including target)
 - C.3.3 Description of scenario
- C.4 Elements that are used in ITLET systems that support learner mobility and mobile learning in LET fields
- C.5 Problems encountered in e-Learning for learner mobility and mobile learning
- C.6 Other comments about this project

Annex D (informative) Use case 4: Mobile learning technology among final year medical students

- D.1 Use case provider
- D.2 Current information technologies used to support learner mobility and mobile learning
- D.3 Scenario for adapting learner mobility and mobile learning in LET fields
 - D.3.1 Title
 - D.3.2 Players (including target)
 - D.3.3 Description of scenario
- D.4 Elements that are used in ITLET systems that support learner mobility and mobile learning in LET fields
- D.5 Problems encountered in e-Learning for learner mobility and mobile learning
- D.6 Other comments about this project

Annex E (informative) Use case 5: Augmented reality training system

- E.1 Use case provider
- E.2 Current information technologies used to support learner mobility and mobile learning:
- E.3 Scenario for adapting learner mobility and mobile learning in LET fields
 - E.3.1 Title
 - E.3.2 Players (including target)
 - E.3.3 Description of scenario
- E.4 Elements that are used in ITLET systems that support learner mobility and mobile learning in LET fields
- E.5 Problems encountered in e-Learning for learner mobility and mobile learning
- E.6 Other comments about this project

Annex F (informative) Use case 6: App for exam practice

- F.1 Use case provider
- F.2 Current information technologies used to support learner mobility and mobile learning:
- F.3 Scenario for adapting learner mobility and mobile learning in LET fields
 - F.3.1 Title
 - F.3.2 Players (including target)
 - F.3.3 Description of scenario
- F.4 Elements that are used in ITLET systems that support learner mobility and mobile learning in LET fields
- F.5 Problems encountered in e-Learning for learner mobility and mobile learning

Annex G (informative) Use case 7: Implementation of app for academic success

- G.1 Use case provider
- G.2 Current information technologies used to support learner mobility and mobile learning
- G.3 Scenario for adapting learner mobility and mobile learning in LET fields
 - G.3.1 Title
 - G.3.2 Players (including target)
 - G.3.3 Description of scenario
- G.4 Elements that are used in ITLET systems that support learner mobility and mobile learning in LET fields
- G.5 Problems encountered in e-Learning for learner mobility and mobile learning

Annex H (informative) Use case 8: Tutoring, games and applications for language learning

- H.1 Use case provider
 - H.2 Current information technologies used to support learner mobility and mobile learning:
 - H.3 Scenario for adapting learner mobility and mobile learning in LET fields
 - H.3.1 Title
 - H.3.2 Players (including target)
 - H.3.3 Description of scenario
 - H.4 Elements that are used in ITLET systems that support learner mobility and mobile learning in LET fields
 - H.5 Problems encountered in e-Learning for learner mobility and mobile learning
- Annex I (informative) Use case 9: Evaluation of key factors that affect learner-empowered emergent technology integration**
- I.1 Use case provider
 - I.2 Current information technologies used to support learner mobility and mobile learning
 - I.3 Scenario for adapting learner mobility and mobile learning in LET fields
 - I.3.1 Title
 - I.3.2 Players (including target)
 - I.3.3 Description of scenario
 - I.4 Elements that are used in ITLET systems that support learner mobility and mobile learning in LET fields
 - I.5 Problems encountered in e-Learning for learner mobility and mobile learning
 - I.6 Other comments about this project

Page count: 45