TECHNICAL SPECIFICATION

ISO/IEC TS 20748-4

First edition 2019-09

Information technology for learning, education and training — Learning analytics interoperability —

Part 4:

Privacy and data protection policies



ISO/IEC TS 20748-4:2019(E)



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Website: www.iso.org Published in Switzerland

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Foreword

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This document was prepared by Joint Technical Committee ISO/IEC JTC 1, *Information technology*, Subcommittee SC 36, *Information technology for learning, education and training*.

A list of all parts in the ISO/IEC 20748 series can be found on the ISO website.

Any feedback or questions on this document should be directed to the user's national standards body. A complete listing of these bodies can be found at www.iso.org/members.html.

Introduction

The ISO/IEC 20748 series clarifies and regularizes the behaviour of components related to learning analytics interoperability. Privacy and data protection are identified as important cross-cutting requirements impacting all sub-processes of learning analytics (LA). Even if privacy and data protection are regulated by law in some jurisdictions, there is a need to specify privacy requirements as part of this series to establish principles that can influence design and operation of learning analytics systems.

The concepts of privacy and data protection are used differently around the world. In this document, which is designed to be used in an educational setting, 'privacy and data protection' are used as one concept to capture both the social and contextual aspects of privacy and the more technical and managerial aspects of data protection for learning, education and teaching (LET). Privacy and data protection requirements for learning analytics can be derived from multiple sources, both written and non-written, including educational policy frameworks, ICT infrastructure principles, international privacy frameworks (e.g., OECD, APEC, European Union), trade agreements, national legal frameworks, ethical principles observed in LET, etc. These requirements are often expressed as high level principles that different constituencies could agree upon. This document develops detailed privacy and data protection attributes pertaining to the learning analytics process cycle (described in ISO/IEC TR 20748-1). This document enables the development of LA privacy and data protection attribute specifications, which detail how information exchange should be performed to fulfil the aims of LA operations without compromising privacy and data protection of the individual.

This document is intended to inform system developers in designing LA systems and processes supporting inclusive privacy and data protection policies. The primary beneficiaries of privacy and data protection policies are the individuals who share their PII, in this case the students (and their parents or guardians), teachers and other actors who take part in learning, education and training. Educational organizations and third party providers are also target user groups.

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1 Scope

This document specifies privacy and data protection requirements and attributes to inform design of learning analytics systems and learning analytics practices in schools, universities, workplace learning and blended learning settings.

2 Normative references

There are no normative references in this document.