



International
Standard

**ISO/IEC/IEEE
39274-1-1**

**Learning technology — JavaScript
Object Notation (JSON) data model
format and Representational State
Transfer (RESTful) web service for
learner experience data tracking
and access —**

Part 1-1:

**xAPI using JSON serialization and
RESTful data transport**

*Technologie de l'apprentissage — Format de modèle de
données JavaScript Object Notation (JSON) et service web
Representational State Transfer (RESTful) pour le suivi des
données de l'expérience de l'apprenant et l'accès à ces données —*

*Partie 1-1: xAPI utilisant la sérialisation JSON et le transport de
données RESTful*

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IEEE Standard for Learning Technology—JavaScript Object Notation (JSON) Data Model Format and Representational State Transfer (RESTful) Web Service for Learner Experience Data Tracking and Access

Developed by the
Learning Technology Standards Committee
of the
IEEE Computer Society

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Abstract: This standard is a collaborative effort to improve and standardize the 1.0.3 version Experience Application Programming Interface (xAPI) specification. This Standard describes a JavaScript Object Notation (JSON) data model format and a Representational State Transfer (RESTful) Web Service Application Programming Interface (API) for communication between Activities experienced by an individual, group, or other entity and a Learning Record Store (LRS). The LRS is a system that exposes the RESTful Web Service API for the purpose of tracking and accessing experiential data, especially in learning and human performance.

Keywords: Experience API, IEEE 9274™, IEEE 9274.1.1™, JavaScript object notation, JSON, Learning Record Provider, Learning Record Store, LRP, LRS, representational state transfer, REST, xAPI

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