

**BUREAU OF INDIAN STANDARDS**  
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**मसौदा भारतीय मानक**

अधिगम, शिक्षा और प्रशिक्षण के लिए सूचना प्रौद्योगिकी - ई-पोर्टफोलियो  
सूचना का संदर्भ ढांचा

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***Draft Indian Standard***

Information Technology for Learning Education and Training -  
Reference Framework of e-Portfolio Information

ICS: 03.100.30; 35.240.90

## **NATIONAL FOREWORD**

(Formal clauses will be added later)

This draft Indian Standard which is identical to ISO/IEC 20013: 2020 ‘Information Technology for Learning Education and Training - Reference Framework of e-Portfolio Information’ issued by the International Organization for Standardization (ISO) and International Electrotechnical Commission (IEC) will be adopted by the Bureau of Indian Standards on the recommendation of the E-Learning Sectional Committee, LITD 19 and approval of the Electronics and Information Technology Division Council.

The text of ISO/IEC Standard *may be* approved as suitable for publication as an Indian Standard without deviations. Certain conventions are however not identical to those used in Indian Standards. Attention is particularly drawn to the following:

- a) Wherever the words ‘International Standard’ appears referring to this standard, they should be read as ‘Indian Standard’.
- b) Comma (,) has been used as a decimal marker while in Indian Standards, the current practice is to use a point (.) as the decimal marker.

For the purpose of deciding whether a particular requirement of this standard is complied with, the final value, observed or calculated, expressing the result of a test or analysis, shall be rounded off in accordance with IS 2:2022 ‘Rules for rounding off numerical values (Second Revision)’. The number of significant places retained in the rounded off value should be same as that of the specified value in this standard.

### **Scope of ISO/IEC 20013: 2020 is as follows:**

This document specifies a reference framework of e-Portfolio implementation that can be used to inform and support development of ITLET systems that meet the requirements of learners, instructors, e-learning service providers and others in contexts such as K-12 education, higher education, training and personal development.

The reference framework identifies content and functional components that support e-Portfolio systems. It addresses interoperability issues required for data exchange between these components and among the various categories

This document:

- provides an e-Portfolio reference framework;
- provides descriptions of e-Portfolios in terms of components (content or functional), categories, elements and items;
- identifies commonalities of current implementations of e-Portfolios; and,

— represents the needs of stakeholders (learners, instructors, etc.).

This document does not include:

- in-depth technical review of issues related to adaptability to culture, language, and human functions;
- security techniques related to the protection of privacy information;
- authentication of the identity of an IT or ITLET system user;
- how e-Portfolios might integrate with ITLET systems; and,
- specific requirements of e-Portfolios or e-Portfolio systems to meet jurisdictional domain requirements

**Note:** - The Technical content of this document has not been enclosed as these are identical with the corresponding ISO/IEC Standard. For details please refer to ISO/IEC 20013: 2020 or kindly contact.

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