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Information technology – iSCSI management API

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INTERNATIONAL ELECTROTECHNICAL COMMISSION

INFORMATION TECHNOLOGY –

iSCSI management API

FOREWORD

- 1) ISO (International Organization for Standardization) and IEC (International Electrotechnical Commission) form the specialized system for worldwide standardization. National bodies that are members of ISO or IEC participate in the development of International Standards. Their preparation is entrusted to technical committees; any ISO and IEC member body interested in the subject dealt with may participate in this preparatory work. International governmental and non-governmental organizations liaising with ISO and IEC also participate in this preparation.
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International Standard ISO/IEC 11989 was prepared by subcommittee 25: Interconnection of information technology equipment, of ISO/IEC joint technical committee 1: Information technology.

International Standard ISO/IEC 11989 was prepared by ANSI, was adopted, under the fast track procedure, by joint technical committee 1: Information technology and has been assigned to subcommittee 25: Interconnection of information technology equipment.

This International Standard has been approved by vote of the member bodies, and the voting results may be obtained from the address given on the second title page.

This publication has been drafted in accordance with the ISO/IEC Directives, Part 2.

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INFORMATION TECHNOLOGY –

iSCSI management API

1 Scope

This International Standard specifies an Application Programming Interface (API) that provides interfaces to discover and manage iSCSI resources on a system. This International Standard is applicable to vendors who deliver drivers that provide iSCSI resources to a system.

2 Normative references

The following referenced documents are indispensable for the application of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document, including any amendments, applies.

The provisions of the referenced specifications other than ISO/IEC, IEC, ISO and ITU documents, as identified in this clause, are valid within the context of this International Standard. The reference to such a specification within this International Standard does not give it any further status within ISO/IEC. In particular, it does not give the referenced specification the status of an International Standard.

ISO/IEC 14776-453, *Information technology – Small Computer System Interface – Part 453: SCSI Primary Commands-3 (SPC-3)*

ISO/IEC 19501, *Unified Modeling Language (UML)*

ISO/IEC 8802-3:2000, *Information technology – Telecommunications and information exchange between systems – Local and metropolitan area networks – Specific requirements – Part 3: Carrier sense multiple access with collision detection (CSMA/CD) access method and physical layer specifications*¹

IETF RFC 1994, *PPP Challenge Handshake Authentication Protocol (CHAP)*

IETF RFC 2945, *The SRP Authentication and Key Exchange System*

IETF RFC 3720, *Internet Small Computer Systems Interface (iSCSI)*

ANSI INCITS 386-2004, *Fibre Channel HBA API (FC-HBA)*

¹ IEEE 802.1AX, IEEE Standard for Information technology