

ISO/IEC JTC 1

Secretariat: **KATS**

Voting begins
on: **2015-07-22**

Voting terminates
on: **2015-12-22**

**Information technology —
Telecommunications and information
exchange between systems — Local and
metropolitan area networks —**

**Part 1X:
Port-based network access control**

**AMENDMENT 1: MAC security key
agreement protocol (MKA) extensions**

*Technologies de l'information — Télécommunications et échange
d'information entre systèmes — Réseaux locaux et métropolitains —
Exigences spécifiques —*

Partie 1X: Contrôle d'accès au réseau basé sur le port

AMENDEMENT 1

Please see the administrative notes on page ii-1

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Reference number
ISO/IEC/IEEE 8802-1X:2013/FDAM 1:2015(E)

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IEEE Standard for
Local and metropolitan area networks—

Port-Based Network Access Control

Amendment 1: MAC Security Key Agreement
Protocol (MKA) Extensions

IEEE Computer Society

Sponsored by the
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IEEE Std 802.1Xbx™-2014

(Amendment to
IEEE Std 802.1X™-2010)

**IEEE Standard for
Local and metropolitan area networks—**

Port-Based Network Access Control

**Amendment 1: MAC Security Key Agreement
Protocol (MKA) Extensions**

Sponsor

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Approved 10 December 2014

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Abstract: Media Access Control security (MACsec) Key Agreement protocol (MKA) data elements and procedures that provide additional security and manageability capabilities, including the ability to maintain secure communication while the operation of MKA is suspended, when used in conjunction with MACsec Cipher Suites that support Extended Packet Numbering are added in this amendment.

Keywords: authorized port, confidentiality, data origin authenticity, IEEE 802.1X™, IEEE 802.1Xbx™, integrity, LANs, local area networks, MAC Bridges, MAC security, MAC Service, MANs, metropolitan area networks, port based network access control, secure association, security, transparent bridging

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PDF: ISBN 978-0-7381-9435-6 STD20045
Print: ISBN 978-0-7381-9436-3 STDPD20045

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