

**Telecommunications and Information Exchange Between Systems**

**ISO/IEC JTC 1/SC 6**

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Ms. Jooran Lee  
Secretary of ISO/IEC JTC1/SC6

Dear Ms. Jooran Lee

In this liaison, the IEEE 802.11 Working Group would like to document its recent and planned future standardisation activities, flag an intention to submit certain documents to ISO/IEC using the PSDO process, and offer JTC1 and SC6 National Bodies an opportunity to submit comments into the IEEE Sponsor Ballot process.

ISO/IEC has currently ratified four documents in the ISO/IEC 8802-11 series, as follows:

- ISO/IEC 8802-11:2005, corresponding to IEEE 802.11-1999 (Rev 2003)
- ISO/IEC 8802-11:2005/Amd 6:2006, corresponding to IEEE 802.11i-2004
- ISO/IEC 8802-11:2005/Amd 5:2006, corresponding to IEEE 802.11h-2003
- ISO/IEC 8802-11:2005/Amd 4:2006, corresponding to IEEE 802.11g-2003

A further seven amendments have been ratified by the IEEE, as follows

- IEEE 802.11e-2005 (QoS)
- IEEE 802.11j-2004 (4.9 GHz-5 GHz Operation in Japan)
- IEEE 802.11k-2008 (Radio Resource Measurement)
- IEEE 802.11n-2009 (High Throughput)
- IEEE 802.11r-2008 (Fast Roaming)
- IEEE 802.11w-2009 (Protected Management Frames)
- IEEE 802.11y-2008 (3650-3700 MHz Operation in USA)

IEEE 802.11-2007 has also been ratified by the IEEE. It integrates IEEE 802.11-1999 (Reaff 2003) with 802.11e/g/h/i/j.

The IEEE 802.11 Working Group currently has a project in IEEE 802.11 TGmb to integrate all ratified amendments into a single document, likely to be called IEEE 802.11-2011. This project is currently scheduled to go into the IEEE Sponsor Ballot process in March 2010.

The IEEE 802.11 Working Group is notifying ISO/IEC JTC1/SC6 that it is our intention to submit IEEE 802.11-2011, once it has been ratified by the IEEE, to ISO/IEC for ratification using the PSDO process. All of the existing ISO/IEC 8802-11 series standards will be obsolete at that time.

A further eight amendments are currently at various stages of development:

- IEEE 802.11p (Vehicular Technology)
- IEEE 802.11s (Mesh)
- IEEE 802.11u (Inter-working with External Networks)
- IEEE 802.11v (Wireless Network Management)
- IEEE 802.11z (Tunnelled Direct Link Service)
- IEEE 802.11aa (Video Transport Streams)
- IEEE 802.11ac (Very High Throughput @ <6GHz)
- IEEE 802.11ad (Very High Throughput @ 60GHz)

The IEEE 802.11 Working Group also plans to submit these other amendments using the PSDO process. The IEEE 802.11 Working Group always values the review of its proposed standards by National Bodies in JTC1 and SC6. This National Body review is one of the positive outcomes of the ISO/IEC processes for ratifying IEEE standards. The IEEE 802.11 Working Group will welcome comments when we submit any standards or amendments using the PSDO process.

An additional way to review proposed IEEE standards earlier in the IEEE development process is for National Bodies or their representatives to participate in IEEE Sponsor Ballots, by enrolling in the Sponsor Ballot pools using normal IEEE standards development processes.

For National Bodies or representatives who do not choose to enroll in a Sponsor Ballot pool, the IEEE 802.11 Working Group will liaise upon request a copy of a draft amendment to ISO/IEC. Any National Body or its representatives may use the draft for the purpose of generating comments. Those comments can then be submitted into the Sponsor Ballot process by sending them to the IEEE 802 Liaison to ISO/IEC JTC1/SC6/WG1 or the IEEE 802 11 Working Group Chair. Currently the Liaison is Andrew Myles ([andrew.myles@cisco.com](mailto:andrew.myles@cisco.com)) and the Working Group Chair is Bruce Kraemer ([bkraemer@marvell.com](mailto:bkraemer@marvell.com)).

If you have any questions or comments relating to this liaison letter, or any other matter related to the IEEE 802.11 Working Group, please do not hesitate to contact us.

Yours sincerely,

Bruce Kraemer  
Chairman of IEEE 802.11 Working Group

Andrew Myles  
IEEE 802 Liaison to ISO/IEC JTC1/SC6/WG1