

# IEEE Broadband Over Power Lines Working Group Approves Provisions for MAC/PHY and Inter-System Protocol

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**PISCATAWAY, N.J., USA**, 18 June 2009 -- The IEEE working group devoted to developing a standard for Broadband over Power Lines (BPL) met in Las Vegas in May, where it devoted its attention to the work of its technical subgroups.

The working group is developing a new standard, IEEE P1901™, "Standard for Broadband over Power Line Networks: Medium Access Control and Physical Layer Specifications." When completed, the project will present a standard for high speed (>100 Mbps at the physical layer) communication devices via alternating current electric power lines, so-called Broadband over Power Line (BPL) devices.

Technical Subgroup 2 (TSG2), which is dedicated to FFT and Wavelet MAC/PHY, presented thirteen revised chapters of the draft Standard on MAC/PHY layers and security.

Technical Subgroup 4 (TSG4), which is dedicated to coexistence, presented a draft annex describing the Inter-System Protocol (ISP) that enables various BPL devices and systems to share communication resources (frequency/time) when installed in a network with common electrical wiring. ISP will allow P1901-compliant devices and ITU-T G.hn-compliant devices to co-exist. The protocol provides configurable frequency division for Access and time division for in-home with a granularity compatible with the Quality of Service (QoS) requirements of the most demanding audio and video applications.

The Working Group approved TSG2's revisions by an 83% majority, and unanimously approved TSG4's ISP annex.

The technical subgroups continue to hold weekly teleconferences as they further develop the first official draft of the P1901 standard. TSG2 will also hold a face-to-face meeting during the week of 15-19 June in Fukuoka, Japan.

The Working Group will next meet 21-24 July in Tokyo, Japan. For more information, contact the Working Group chair, Jean-Philippe Faure, at [jean-philippe.faure@progilon.com](mailto:jean-philippe.faure@progilon.com) or visit the website at [http://grouper.ieee.org/groups/1901/Meeting\\_Information.html](http://grouper.ieee.org/groups/1901/Meeting_Information.html)

**About the IEEE P1901 Working Group**

The IEEE P1901 is a Corporate Standards working group created by 20 companies in June 2005. The working group currently has a membership of over 50 entities, representing information technology communications companies, consumer electronic companies, telecommunications companies, utilities, semiconductor manufacturers academia and consortia. For more information on IEEE P1901 and its membership, see: <http://grouper.ieee.org/groups/1901/>.

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### **About IEEE**

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