

Telecommunications and Information Exchange Between Systems

ISO/IEC JTC 1/SC 6

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Draft Terms of Reference for the SC6/WG1 Study Group on Harmonization among High Speed PLC International Standards.

ISO/IEC 12139-1 was completed as International Standard for high speed power line communication and published in July 2009. There are also on-going standardization activities on high speed power line communication in other SDOs. Since power line is a shared medium and the most frequently used frequency bandwidth for high speed power line communication is in the range of 2 to 30MHz, the different-standard-devices which use frequency bandwidth in the range of 2 to 30 MHz may cause harmful interference to each other when used in vicinity. Therefore, it is important to study harmonized coexistence to prevent possible harmful interference between devices that adopt among International Standards.

SC6/WG1 establishes a Study Group on Harmonization among standards for Power Line Communication with following Terms of Reference.

1. Scope

Study the harmonized coexistence between the high speed power line communication standards which use frequency bandwidth in the range of 2 to 30 MHz, including, but not limited to, ISO/IEC 12139-1 and upcoming work of ITU-T SG 15 and IEEE P1901.

2. SG deliverables

Recommend coexistence methods for the high speed power line communication standards which use frequency bandwidth in the range of 2 to 30 MHz. The SG shall provide progress report at every SC 6 plenary meeting.

3. Period

The SG shall accomplish its tasks within three years following approval of terms of reference.

4. Membership

Membership of the Study Group is open to representatives from all National Bodies, Liaison Organizations and related SDOs, including, but not limited to, ITU-T SG 15 and IEEE P1901, P2030