

ISO/IEC JTC 1 N9888

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ISO/IEC JTC 1 Information Technology

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Document Title: Establishment of JTC 1 Working Group 7 on Sensor Networks

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Document Status: Sensor networks are being widely used across a whole sphere of applications; it is important for JTC 1 to undertake standardization in the area of generic solutions for sensor networks and application-oriented sensor networks within the overall scope of JTC 1.

To this end and in accordance with JTC 1 Tel Aviv Resolution 34, JTC 1 has established a new JTC 1 WG 7 on Sensor Networks with the attached terms of reference.

Membership in the Working Group is open to representatives from all National Bodies, JTC 1 liaisons and JTC 1 approved PAS submitters.

The National Body of Korea will provide Dr. Yongjin KIM as Convenor and Ms. Jooran Lee as Secretariat. National Bodies and approved PAS Submitters are invited to nominate experts to participate in the WG and are asked to submit their nominations to the WG 7 Secretariat (jooran@kisi.or.kr) by February 5, 2010.

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Terms of Reference

1) In the area of generic solutions for sensor networks, undertake standardization activities that support and apply to the technical work of all relevant JTC 1 entities and to other standards organizations. This would include activities in sensor networks such as the following:

- a) Standardization of terminology.
- b) Development of a taxonomy.
- c) Standardization of reference architectures.
- d) Development of guidelines for interoperability.

2) In the area of application-oriented sensor networks, identify gaps and commonalities as they may impact standardization activities within the scope of JTC 1. Further, share this information with relevant entities within and outside of JTC 1. Unless better pursued within another JTC 1 entity, the following standardization activities may be pursued as projects by this Working Group:

- a) Addressing the technology gaps within the scope of JTC 1 entities.
- b) Exploiting technology opportunities where it is desirable to provide common approaches to the use of sensor networks across application domains.

3) In order to foster communication and sharing of information between groups working in the field of sensor networks:

- a) Seek liaison relationships with all relevant JTC 1 SCs/WGs.
- b) Seek liaison relationships with other organizations outside JTC 1 including but not limited to: relevant ISO TCs, IEC TCs and ITU-T SGs, IEEE 1451, IEEE 1588, IEEE P2030, IEEE 802.15, Open Geospatial Consortium, ZigBee Alliance, IETF 6LoWPAN, IETF ROLL WG, ETSI, IPSO Alliance, EPCglobal, ISA 100, LONMARK, KNX Association, Zwave Alliance.
- c) Consider the possibility of conducting joint projects with relevant ITU-T SG.
- d) Seek input from relevant research projects and consortia.

Abstain: Singapore