

ISO/IEC JTC 1/WG 7
Working Group on Sensor Networks

Document Number:	N035
Date:	2010-03-17
Replace:	
Document Type:	Outgoing Liaison Statement
Document Title:	Liaison statement from JTC 1/WG 7 to other organizations
Document Source:	JTC 1/WG 7
Document Status:	
Action ID:	FYI
Due Date:	
No. of Pages:	3

ISO/IEC JTC 1/WG 7 Convenor:

Dr. Yongjin Kim, Modacom Co., Ltd (Email: cap@modacom.co.kr)

ISO/IEC JTC 1/WG 7 Secretariat:

Ms. Jooran Lee, Korean Standards Association (Email: jooran@kisi.or.kr)

Liaison statement from ISO/IEC JTC1 WG7 to other organizations

At the JTC1 plenary in Tel Aviv in 2009 JTC1 formally approved the establishment of a working group on sensor networks directly under JTC1.

Resolution 34 - Establishment of JTC 1 Working Group 7 on Sensor Networks

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, JTC 1 establishes JTC 1 Working Group 7 on Sensor Networks with the following 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.

4) 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.

The programme of work of WG7 consists of:

- a) ISO/IEC 29182 "Reference architecture for sensor networks" project which will support generic standardization of reference architectures. The development of this standard has been transferred from JTC1 SC 6 to JTC1 WG7 (Resolution 35 from JTC1 Tel Aviv meeting).
- b) New work following the successful NWIP ballot of JTC1 N9921 Sensor Network and its Interface for Smart Grid System. This project will not start until IEC/SMB concerns are resolved.

There were discussions at the first JTC1 WG7 meeting in London held from March 8th to 12th resulting in a recommendation to transform ISO/IEC 29182 into a multipart standard. The recommendations of the first WG7 meeting are attached for information.

JTC1 WG7 understands that your organization has a number of work items involving sensor network. WG 7 would like to establish a formal liaison (Category C) with your organization.

The second WG7 meeting will be held National Institute of Standards and Technology (NIST), Gaithersburg, MD, USA from August 23 to 27, 2010 and representatives from your organization are encouraged to present their sensor network-related activities at this meeting.

Enclosure:
Recommendations of first WG7 meeting