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

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Action Agenda for JTC 1/WG 7 on Sensor Networks

2009 JTC 1 Tel Aviv Resolutions on Sensor Networks

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.

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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.

Abstain: Singapore

Resolution 35 ‑ Transfer of Sensor Networking Application Project

To support generic standardization of reference architectures, JTC 1 will provide ongoing development of "Reference model for sensor network applications and services" project by transferring ISO/IEC 29182 from SC 6 to the Working Group on Sensor Networks.

Unanimous

Resolution 58 – JTC 1 Participation in ITU‑T Activities

JTC 1 notes with interest the report of the JTC 1/ITU‑T Liaison Officer on developments within the ITU‑T. Based on this report, JTC 1 instructs its Secretariat to apply to the ITU‑T for participation on the following Activities:

• Joint Coordination Activity for ICTs and Climate Change (with participation from SG EEDC, **JTC 1/WG 7 on Sensor Networks** and SG on Green ICT)

• Focus Group "Future Networks" (FG FN) (with participation from SC 6)

• Joint Coordination Activity for Network Aspects of Identification Systems (with participation from **JTC 1/WG 7 on Sensor Networks** and SC 17)

Unanimous

Membership of JTC 1/WG 7

Official members of former JTC 1 SGSN automatically transferred to JTC 1/WG 7 membership. Open membership of former SGSN has been disbanded since WG 7 was established.

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

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. (See also JTC 1 N9888)

Distribution of Documents

In cooperation with JTC 1 Secretariat, the WG 7 site has been launched on the JTC 1 site (www.jtc1.org) by using the ISO Global Directory. For downloading WG 7 documents from the ISO Global Directory, login ID and password are required. WG 7 members should contact their NBs to obtain login ID and password for JTC 1/WG 7 web folder. All WG 7 N-documents are available on the JTC 1/WG 7 web-folder of www.jtc1.org.

The new email explorer jtc1_wg7@modacom.co.kr is now effective for document distribution and discussion of WG 7.

sgsn@modacom.co.kr and sgsn_open@modacom.co.kr are ineffective as SGSN was disbanded.

Development of ISO/IEC 29182

JTC 1/WG 7 has now a project of ISO/IEC 29182 Reference architecture for sensor network applications and services which was a former SC 6 project. The current stage of ISO/IEC 29182

is stage 2 (WD: Working Draft). SC 6 project editors for ISO/IEC 29182 are as follows:

- Sangkeun Yoo, Korea
- Tao Xing, China
- Maryam Roshananei, UK
- Robin Tasker, UK

Its project schedule is a little bit delayed.

Stage	Version	Description	Limit Date	Started	Status
10.99	1	New project approved		2008-11-13	Current
30.00		Committee draft (CD) registered	2009-11-13		Wait
40.00		FCD/DIS registered	2010-11-13		Wait
50.00		FDIS registered for formal approval	2012-05-13		Wait
60.00		International Standard published	2012-11-13		Wait

Therefore WG 7 should start its initial work to develop CD (committee draft) of ISO/IEC 29182 in cooperation with the SC 6 project editors and publish ISO/IEC 29182 as International Standard no later than 2012-11-13.

Proposed NPs for JTC 1 Tel Aviv plenary meeting

Three proposed NPs were submitted for JTC 1 Tel Aviv plenary meeting:

- US NB contribution on a Proposed NP for Sensor Network and its Interface for Smart Grid Systems (JTC 1 N9760)

- US NB contribution on a Proposed NP for a Technical Report on Sensor Network Reference Architecture (JTC 1 N9761)

- Chinese NB contribution on a Proposed NP on Services and Interfaces Supporting Collaborative Information Processing in Intelligent Sensor Networks (JTC 1 N9791)

They may be issued by JTC 1 Secretariat for NP ballot within JTC 1. And if they are approved by JTC 1 NBs, they will be assigned to WG 7 for further development.

Procedure for standards development

A new work item proposal (NP) on sensor networks within WG 7 terms of reference may be submitted by an NB or JTC 1 Category A liaisons to JTC 1 and this NP should proceed to the JTC 1 procedure for standards development as per the JTC 1 Directives.

Normal JTC 1 Standards Development Stages for International Standards are as follows:

Stage 1 – Proposal Stage	NP	Vote	- simple majority of P-members voting of the committee - 5-P members participating - 5 experts named
Stage 2 – Preparatory Stage	WD	Comment	Not defined — determined by the committee secretary in conjunction with the committee
Stage 3 – Committee Stage	CD FCD	Comment or Vote Vote	- consensus, or - substantial support
Stage 4 – Approval Stage	FDIS	Vote	- Circulated for a 2-month vote - Approved if 2/3 votes of voting P-members are positive, AND if not more than one-quarter of all votes cast are negative
Stage 5 - Publication	IS		

Future meetings

The 1st JTC 1/WG 7 meeting will be held from 8 to 12 March 2010 in BSI, London, UK. The draft agenda and logistic information will be shortly distributed to WG 7 members.

The 2nd meeting of JTC 1/WG 7 is tentatively scheduled in August 2010 in US. As the 2nd meeting schedule is tentative, WG 7 members are kindly requested to consider hosting the 2nd meeting of JTC 1/WG 7.

Teleconference may be conducted when necessary on request of WG 7 Convenor.