

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

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Liaison statement from ISO/IEC JTC 1/WG 7 to IEC TC 65

Source: 2nd Meeting of ISO/IEC JTC 1/WG 7 (23-27 August 2010, Gaithersburg, US)

It is recognised that IEC TC 65 is responsible for international standards for systems and elements used for industrial-process measurement and control concerning continuous and batch processes.

For standards, such as the generic reference architecture ISO/IEC WD 29182 parts and collaborative information processing ISO/IEC NP 20005 , developed within JTC 1/WG 7 it should be understood that while these specifications may be applicable to continuous and batch processes systems they have not been specifically designed for such applications.

JTC 1/WG7 recognises IEC/TC65 as experts within the IEC/TC65 scope of work and JTC 1/WG7 cannot confirm the applicability, or non-applicability, of the JTC 1/WG7 standards for that scope of work. IEC/TC65 is invited to review our work and incorporate/adopt any items of work that they consider suitable for their own activities.

At the 2nd JTC 1/WG 7 meeting on 23-27 August 2010, Gaithersburg, US, JTC 1/WG 7 agreed the following definition of sensor network:

A system of spatially distributed sensor nodes interacting with each other and, depending on applications, interacting with ICT infrastructures, in order to acquire, process, transfer, and provide information from the physical world and optionally react.

- Note: A sensor network can have some control capability.
- Note: Distinguishing features of a sensor network is that it can include: radio networks, flexibility of purpose, self-organising topologies, openness, providing data for multiple applications.

JTC 1/WG 7 has three current projects and developed them during its 2nd meeting as follows:

ISO/IEC Designation #	Title	Current Status
ISO/IEC WD 29182 Part 1	Sensor Network Reference Architecture (SNRA) – Part 1: General overview and requirements	WD
ISO/IEC WD 29182 Part 2	Sensor Network Reference Architecture (SNRA) – Part 2: Vocabulary and Terminology	Project registered
ISO/IEC WD 29182 Part 3	Sensor Network Reference Architecture (SNRA) –	Project

	Part 3: Reference architecture views	registered
ISO/IEC WD 29182 Part 4	Sensor Network Reference Architecture (SNRA) – Part 4: Entity models	Project registered
ISO/IEC WD 29182 Part 5	Sensor Network Reference Architecture (SNRA) – Part 5: Interface definitions	Project registered
ISO/IEC WD 29182 Part 6	Sensor Network Reference Architecture (SNRA) – Part 6: Application Profiles	WD
ISO/IEC WD 29182 Part 7	Sensor Network Reference Architecture (SNRA) – Part 7: Interoperability guidelines	WD
ISO/IEC WD 20005	Specification of Data Value Domain Services and Interfaces Supporting Collaborative Information Processing in Intelligent Sensor Networks	WD
ISO/IEC NP 30101	Sensor Network and its Interface for Smart Grid System	NP Approved

The 3rd meeting of JTC 1/WG 7 will be held on 28 March – 1 April 2011 in Sophia Antipolis, France and representatives from IEC/TC 65 are encouraged to present their sensor network-related activities at this meeting. If you intend to attend this meeting, please contact JTC 1/WG 7 Secretariat (jooran@kisi.or.kr) for further information