

ISO/IEC JTC 1
Information technology
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ISO/IEC JTC 1/WG 7

Yongjin KIM, WG 7 Convenor

Jooran Lee, WG 7 Secretary

2012 JTC 1 Plenary

what is new

■ Current work items

ISO/IEC Designation #	Title	Current Status
ISO/IEC 29182 Part 1	Sensor Network Reference Architecture (SNRA) – Part 1: General overview and requirements	DIS
ISO/IEC 29182 Part 2	Sensor Network Reference Architecture (SNRA) – Part 2: Vocabulary and Terminology	DIS
ISO/IEC 29182 Part 3	Sensor Network Reference Architecture (SNRA) – Part 3: Reference architecture views	DIS
ISO/IEC 29182 Part 4	Sensor Network Reference Architecture (SNRA) – Part 4: Entity models	DIS
ISO/IEC 29182 Part 5	Sensor Network Reference Architecture (SNRA) – Part 5: Interface definitions	DIS
ISO/IEC 29182 Part 6	Sensor Network Reference Architecture (SNRA) – Part 6: Application Profiles	WD
ISO/IEC 29182 Part 7	Sensor Network Reference Architecture (SNRA) – Part 7: Interoperability guidelines	CD
ISO/IEC 20005	Services and Interfaces Supporting Collaborative Information Processing in Intelligent Sensor Networks	DIS
ISO/IEC 30101	Sensor Network and its Interface for Smart Grid System	WD
ISO/IEC 30128	Sensor networks application interfaces	WD



what is new

- **Possible new work items**

- **Sensor network testing**

- To be submitted a NWIP for JTC 1 ballot

- **Sensor network management**

- To be submitted a NWIP for JTC 1 ballot



what is new

- **Participants (no change)**

- 9 NBs and 8 LOs

- 5th meeting(19-23 March 2012, Wuxi, China): 27 attendees
- 6th meeting(10-14 September 2012, Bamberg, Germany): 23 attendees

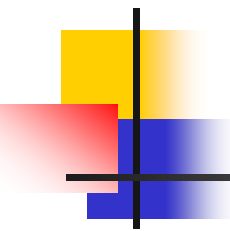
- **Category C Liaisons**

- OGC
- IEEE Instrumentation and Measurement Society TC 9



WG 7 Recommendation 1

- **WG 7 request for JTC 1 approval of revision of WG 7 ToR**
 - 1) In the area of generic solutions for sensor networks, undertake standardization activities that support and can be applied to the technical work of all relevant JTC 1 entities and to other standards organizations. This includes 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.
 - e) Standardization of specific aspects of sensor networks

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- 2) In the area of application - oriented sensor networks, identify gaps and commonalities that 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.
 - **c) Addressing emerging areas related to M2M and IoT**
 - 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.



WG 7 Recommendation 2

- **WG 7 request for JTC 1 endorsement of main Project Editors**
 - JTC 1/WG 7 appoints or confirms the following individuals as Editors for the projects noted and instructs its Secretariat to forward the main PE's list to JTC 1 Secretariat for JTC 1 endorsement:

ISO/IEC Designation #	Title	Project Editor
ISO/IEC DIS 29182 Part 1	General overview and requirements	Sangkeun Yoo
ISO/IEC DIS 29182 Part 2	Vocabulary and Terminology	Nan Guo
ISO/IEC DIS 29182 Part 3	Reference architecture views	Howard Choe
ISO/IEC DIS 29182 Part 4	Entity models	Nader Moayeri
ISO/IEC DIS 29182 Part 5	Interface definitions	Jie Shen
ISO/IEC WD 29182 Part 6	Application Profiles	Alexander Pflaum
ISO/IEC CD 29182 Part 7	Interoperability guidelines	Seungmin Lee
ISO/IEC DIS 20005	Services and Interfaces Supporting Collaborative Information Processing in Intelligent Sensor Networks	Liu Haitao Qiang Pan
ISO/IEC WD 30101	Sensor Network and its Interface for Smart Grid System	Howard Choe
ISO/IEC WD 30128	Sensor networks application interfaces	Marie Kim



WG 7 Recommendation 3

- **WG 7 recommendation for JTC 1 re-confirmation of WG 7 Convenor**
 - JTC 1/WG 7 endorses the following individual as its Convenor :

Name	Term of Office
Dr. Yongjin KIM	2012-2015



2013

■ new directions

- Speedy development of current projects
- Support for NWIP
- Enhancement of cooperation with liaisons
- Enforcement of M2M/IoT standardization activities

■ next WG 7 meetings

Year	Date	Venue
2013	17 – 21 March	Abu Dhabi, UAE (Co-located with OGC)
2013	September	TBA (Call for hosting)
2014	March	TBA (Call for hosting)



Thank you!