

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

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JTC 1/WG 7's convenor's letter to IEC SMB SG 3

I would like to inform the IEC SMB SG 3 on Smart Grid that the JTC 1/WG 7 has a current project, ISO/IEC NP 30101, Sensor Network and its Interface for Smart Grid System. This NP was approved by JTC 1 and assigned to JTC 1/ WG 7 for its development on 2010-02-20.

At the 2nd meeting of JTC 1/WG 7 (23 – 27 August 2010, NIST Gaithersburg, MD, USA), WG 7 agreed the Disposition of Comments (WGSN N088) with the revised scope of this NP:

The project will work within the scope of JTC1 to investigate how sensor networks can support Smart Grid technologies for power generation, distribution, networks, energy storage, load efficiency, control and communications and associated environmental challenges. It will characterize the requirements for sensor networks to support these applications. Data from sensors in Smart Grid systems is collected, transmitted, published and acted upon to ensure efficient coordination of the various systems and subsystems. The intelligence derived through the sensor networks supports synchronization, monitoring and responding, command and control, data/information processing, security, information routing, and human-grid display/graphical interfaces.

This standard will specify the

- interfaces between the sensor networks and other networks
- sensor network architecture to support smart grid systems
- interface between sensor networks with smart grid systems
- sensor network based emerging applications and services to support smart grid systems
- visualization of sensors/devices status and data/information flow in large scalable heterogeneous network systems, for example, geospatial information systems

The following timeframe for development of this project until the next WG 7 meeting was also agreed by JTC 1/WG 7:

ISO/IEC NP 30101 Sensor Network and its Interface for Smart Grid System	By 2010-10-31 : Submission of contributions for base document of 1 st WD by project editor and members By 2011-01-10 : Submission of pre-WD by project editor to be considered at the 3 rd WG 7 meeting By 2011-01-20: Circulation of the pre-WD for comments by WG 7 members (1 month) By 2011-02-20 : Comments on circulated pre-WD to WG7 secretariat
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	At 3 rd WG 7 meeting: Finalization of 1 st WD
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JTC 1/WG 7 hopes that this project will be developed in cooperation with IEC SMB SG 3 on Smart Grid.

At its 2nd meeting, JTC 1/WG 7 appointed Howard Choe (choe@raytheon.com) as the liaison representative to IEC SMB SG 3 on Smart Grid and JTC 1 will be confirming this appointment.

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 SMB SG 3 on Smart Grid are encouraged to present your smart grid-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.

Attachment: WGSN N088 DoC on NP 30101 Sensor Network and its Interface for Smart Grid System