

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

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**Recommendations from
the 2nd ISO/IEC JTC 1/WG 7 meeting
23 – 27 August 2010, NIST Gaithersburg, MD, USA**

JTC 1/WG 7 Recommendation 1 – Circulation of 1st WD of ISO/IEC 29182 Part 1

JTC 1/WG 7 approves the document in WGSN-N089 as the 1st WD of ISO/IEC 29182 Part 1 and instructs its Secretariat to circulate it to JTC 1 NBs and WG 7 members for a two month comment period.

JTC 1/WG 7 recommends JTC 1 NBs and WG 7 members to carefully focus on clauses 6 and 7 when reviewing the 1st WD of ISO/IEC 29182 Part 1.

- Approved

JTC 1/WG 7 Recommendation 2 – Circulation of 1st WD of ISO/IEC 29182 Part 6

JTC 1/WG 7 approves the document in WGSN-N90 as the 1st WD of ISO/IEC 29182 Part 6 and instructs its Secretariat to circulate it to JTC 1 NBs and WG 7 members for a two month comment period.

JTC 1/WG 7 recommends JTC 1 NBs and WG 7 members to carefully focus on the figure showing the organisation of a sensor node and the components, information flows and relationship with the rest of the world and propose text to populate the empty clauses to reflect this organisation when reviewing the 1st WD of ISO/IEC 29182 Part 6.

- Approved

JTC 1/WG 7 Recommendation 3 – Circulation of 1st WD of ISO/IEC 29182 Part 7

JTC 1/WG 7 approves the document in WGSN-N091 as the 1st WD of ISO/IEC 29182 Part 7 and instructs its Secretariat to circulate it to JTC 1 NBs and WG 7 members for a two month comment period.

JTC 1/WG 7 recommends JTC 1 NBs and WG 7 members to carefully focus on its relationship with ISO/IEC WD 20005 when reviewing the 1st WD of ISO/IEC 29182 Part 7.

- Approved

JTC 1/WG 7 Recommendation 4 – Circulation of DoC and 1st WD of ISO/IEC 20005

JTC 1/WG 7 approves the disposition of comments of ISO/IEC NP 20005 in WGSN-N086 and the document in WGSN-N087 as the 1st WD of ISO/IEC 20005. JTC 1/WG 7 instructs its Secretariat to circulate the 1st WD to JTC 1 NBs and WG 7 members for a two month comment period.

- Approved

JTC 1/WG 7 Recommendation 5 – Circulation of DoC of ISO/IEC NP 30101

JTC 1/WG 7 approves the disposition of comments of ISO/IEC NP 30101 in WGSN-N088. JTC 1/WG 7 requests the project editor and WG 7 members to submit contributions as base documents for the 1st WD of ISO/IEC 30101 by 2010-10-31.

- Approved

JTC 1/WG 7 Recommendation 6 – Project editors and request for JTC 1 endorsement

JTC 1/WG 7 recommends the following as project editors for the projects noted and instructs its Secretariat to forward this list to JTC 1 Secretariat for JTC 1 endorsement:

ISO/IEC Designation #	Title	Main Project Editor	Co-Project Editors
ISO/IEC WD 29182 Part 1	General overview and requirements	Sangkeun Yoo	Jie Shen Alexander Pflaum Howard Choe Nader Moayeri
ISO/IEC WD 29182 Part 2	Vocabulary and Terminology	Nan Guo	Sangkeun Yoo Howard Choe

ISO/IEC WD 29182 Part 3	Reference architecture views	Howard Choe	Jie Shen Alexander Pflaum Sangkeun Yoo
ISO/IEC WD 29182 Part 4	Entity models	Nader Moayeri	Sangkeun Yoo Howard Choe
ISO/IEC WD 29182 Part 5	Interface definitions	Jie Shen	Sangkeun Yoo Howard Choe
ISO/IEC WD 29182 Part 6	Application Profiles	Alexander Pflaum	Jie Shen Howard Choe Nader Moayeri Seungmin Lee
ISO/IEC WD 29182 Part 7	Interoperability guidelines	Seungmin Lee	Jie Shen Howard Choe
ISO/IEC WD 20005	Specification of Data Value Domain Services and Interfaces Supporting Collaborative Information Processing in Intelligent Sensor Networks	Liu Haitao	Howard Choe
ISO/IEC NP 30101	Sensor Network and its Interface for Smart Grid System	Howard Choe	

- Approved

JTC 1/WG 7 Recommendation 7 – Work plan for projects

JTC 1/WG 7 agrees the following work plan for development of its projects until the next WG 7 meeting:

Projects	Work plan
ISO/IEC WD 29182 Part 1 General overview and requirements	By 2010-09-15 : Circulation of 1 st WD for two month comment period By 2010-11-15 : Comments on circulated 1 st WD to WG7 secretariat By 2011-01-15 : Submission of revised WD by project editor for 2 nd WD or CD to be considered at the 3 rd WG 7 meeting and proposed

	<p>DoC</p> <p>By 2011-01-20 : Circulation of the revised WD for review by WG 7 members . comments received by 2011-02-20 will be on the final agenda</p> <p>At 3rd WG 7 meeting : Finalization of 2nd WD or CD</p>
ISO/IEC WD 29182 Part 2 Vocabulary/Terminology	<p>By 2010-10-31 : Submission of possible definitions to the project editor</p> <p>By 2010-11-30 : Submission of 1st WD by project editor</p> <p>By 2010-12-10 Circulation of 1st WD for two month comment period</p> <p>By 2011-02-10 : Comments on circulated 1st WD to WG7 secretariat</p> <p>By 2011-02-25 : Submission of revised WD by project editor for 2nd WD or CD</p> <p>At 3rd WG 7 meeting : Finalization of 2nd WD or CD</p>
ISO/IEC WD 29182 Part 3 Reference architecture views	<p>By 2010-10-31 : Submission of contributions for base document of 1st WD by project editors and members</p> <p>By 2011-01-10 : Submission of pre-WD by project editor to be considered at the 3rd WG 7 meeting</p> <p>By 2011-01-20: Circulation of the pre-WD for comments by WG 7 members (1 month)</p> <p>By 2011-02-20 : Comments on circulated pre-WD to WG7 secretariat</p> <p>At 3rd WG 7 meeting: Finalization of 1st WD</p>
ISO/IEC WD 29182 Part 4 Entity models	<p>By 2010-10-31 : Submission of contributions for base document of 1st WD by project editors and members</p> <p>By 2011-01-10 : Submission of pre-WD by project editor to be considered at the 3rd WG 7 meeting</p> <p>By 2011-01-20: Circulation of the pre-WD for comments by WG 7 members (1 month)</p> <p>By 2011-02-20 : Comments on circulated pre-WD to WG7 secretariat</p> <p>At 3rd WG 7 meeting: Finalization of 1st WD</p>
ISO/IEC WD 29182 Part 5 Interface definitions	<p>By 2010-10-31 : Submission of contributions for base document of 1st WD by project editors and members</p> <p>By 2011-01-10 : Submission of pre-WD by project editor to be considered at the 3rd WG 7 meeting</p> <p>By 2011-01-20: Circulation of the pre-WD for comments by WG 7 members (1 month)</p> <p>By 2011-02-20 : Comments on circulated pre-WD to WG7 secretariat</p>

	At 3 rd WG 7 meeting: Finalization of 1 st WD
ISO/IEC WD 29182 Part 6 Application Profiles	<p>By 2010-09-15 Circulation of 1st WD for two month comment period</p> <p>By 2010-11-15 : Comments on circulated 1st WD to WG7 secretariat</p> <p>By 2012-01-15 : Submission of revised WD by project editor for 2nd WD or CD to be considered at the 3rd WG 7 meeting and proposed DoC</p> <p>By 2011-01-20 Circulation of the revised WD for review by WG 7 members , comments received by 2011-02-20 will be on the final agenda</p> <p>At 3rd WG 7 meeting : Finalization of 2nd WD or CD</p>
ISO/IEC WD 29182 Part 7 Interoperability guidelines	<p>By 2010-09-15 : Circulation of 1st WD for two month comment period</p> <p>By 2010-11-15 : Comments on circulated 1st WD to WG7 secretariat</p> <p>By 2011-01-15 : Submission of revised WD by project editor for 2nd WD or CD to be considered at the 3rd WG 7 meeting and proposed DoC</p> <p>By 2011-01-20 : Circulation of the revised WD for review by WG 7 members , comments received by 2011-02-20 will be on the final agenda</p> <p>At 3rd WG 7 meeting : Finalization of 2nd WD or CD</p>
ISO/IEC WD 20005 Specification of Data Value Domain Services and Interfaces Supporting Collaborative Information Processing in Intelligent Sensor Networks	<p>By 2010-09-15 : Circulation of 1st WD for two month comment period</p> <p>By 2010-11-15 : Comments on circulated 1st WD to WG7 secretariat</p> <p>By 2011-01-15 : Submission of revised WD by project editor for 2nd WD or CD to be considered at the 3rd WG 7 meeting and proposed DoC</p> <p>By 2011-01-20 : Circulation of the revised WD for review by WG 7 members , comments received by 2011-02-20 will be on the final agenda</p> <p>At 3rd WG 7 meeting : Finalization of 2nd WD or CD</p>
ISO/IEC NP 30101 Sensor Network and its Interface for Smart Grid System	<p>By 2010-10-31 : Submission of contributions for base document of 1st WD by project editor and members</p> <p>By 2011-01-10 : Submission of pre-WD by project editor to be considered at the 3rd WG 7 meeting</p> <p>By 2011-01-20: Circulation of the pre-WD for comments by WG 7 members (1 month)</p> <p>By 2011-02-20 : Comments on circulated pre-WD to WG7 secretariat</p> <p>At 3rd WG 7 meeting: Finalization of 1st WD</p>

- Approved

JTC 1/WG 7 Recommendation 8 – Ad hoc group on Terminology of Sensor Networks

JTC 1/WG 7 establishes an ad hoc group on Terminology of Sensor Networks with the following terms of reference:

- To research terminology related to Sensor Networks
- To contribute terms for inclusion in the 1st WD with an overview of definitions of terms related to Sensor Networks used in other standards on the agreed template
- To help the editor prepare the 1st WD

This ad hoc is led by Nan Guo.

JTC 1/WG 7 requests its members to make contributions on new definitions by using the template contained in WGSN N021 no later than 2010-10-31 to its Secretariat to forward it to Convenor of the ad hoc group to use them as initial reference for ISO/IEC WD 29182 part 2.

- Approved

JTC 1/WG 7 Recommendation 9 – Appointment of Liaison Representatives

JTC 1/WG 7 appoints the following individuals as Liaison Representatives to the groups listed below until the next meeting of JTC 1/WG 7 subject to JTC 1 approval :

Name	Representative to
Sangkeun Yoo	JTC 1/SC 6
Kate Grant	JTC 1/SC 29
Nader Moayeri	JTC 1/SC 31
Phil Brown	JTC 1/SC 32
Michael Hogan	JTC 1/SC 37
Howard Choe	JTC 1 SWG on Smart Grid
Howard Choe	IEC SMB Strategic Group 3 on Smart Grid

Sangkeun Yoo	ITU-T SG 16
Sangkeun Yoo	ITU-T JCA NID

- Approved

JTC 1/WG 7 Recommendation 10 – Liaison response to IEC TC 65

JTC 1/WG 7 thanks the ad hoc group on IEC TC 65 for its output and report in WGSN-N077 and dissolves the ad hoc group since it completed its mission.

JTC 1/WG 7 also agrees on the response to IEC/TC 65 in WGSN-N078 and requests its Secretariat to forward it to IEC TC 65 with the agreed definition of Sensor Network and additional information on the progress made by JTC 1/WG7 at its 2nd meeting.

- Approved

JTC 1/WG 7 Recommendation 11 – Request for liaison of IEEE I&MS TC 9

Noting the liaison request of IEEE I&MS TC 9 in WGSN N062, JTC 1/WG 7 recommends JTC 1 to approve establishment of Category C liaison between JTC 1/WG 7 and IEEE I&MS TC 9.

- Approved

JTC 1/WG 7 Recommendation 12 – Document Submission Date

Documents for inclusion on the final agenda for the 3rd meeting of JTC 1/WG 7 shall be submitted to the WG 7 Secretariat by 2011-02-20.

- Approved

JTC 1/WG 7 Recommendation 13 – Future meetings

JTC 1/WG 7 approves the following WG 7 meetings:

Year	Date	Venue
2011	28 March – 1 April	Sophia Antipolis, France (joint with ETSI M2M)
2011	29 August – 2 September	Helsinki, Finland
2012	February	Hainan, China (Tentative)

- Approved

<Acclamation>

JTC 1/WG 7 Appreciation 1 - To the meeting host

JTC 1/WG 7 expresses its appreciation to the meeting host, NIST for their many efforts in organizing and supporting this successful meeting.

- Dr. Howard Harary, Director of the Manufacturing Engineering Laboratory for his welcoming remarks
- Dr. George Arnold, National Coordinator for Smart Grid for his presentation on US Smart Grid system
- NIST engineers for their informative introductions to the Nanotechnology lab, the Fab Viewing Corridor and the Small Forces lab in the Advanced Measurement Laboratory Complex on Wednesday
- NIST conference facilities staff for setting up and providing services

JTC 1/WG 7 also expresses its appreciation to Dr. Kang Lee for his excellent preparation and support before and during the meeting.

- Acclaimed

JTC 1/WG 7 Appreciation 2 - To the sponsor

JTC 1/WG 7 expresses its appreciation to the sponsor, Raytheon for pleasant coffee breaks and Dr. Howard Choe for his preparation.

- Mr. Glenn Martin, Director of Systems Engineering, Raytheon NCS
 - Acclaimed

JTC 1/WG 7 Appreciation 3 - To the project editors and the drafting group members

JTC 1/WG 7 expresses its appreciation to the project editors and the drafting group members for their efforts into drafting day and night during the meeting.

- Acclaimed