

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

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Date:	2010-07-23
Replace:	
Document Type:	Summary of Votings/Table of Replies
Document Title:	Summary of Voting on JTC 1 N9921 Proposal for a New Work Item on Sensor Network and its Interface for Smart Grid System
Document Source:	JTC 1 Secretariat
Document Status:	For consideration at the 2 nd WG 7 meeting in US.
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No. of Pages:	14

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Result of voting

Ballot Information:

Ballot reference:	JTC001-N-9921
Ballot type:	NWIP
Ballot title:	Proposed NP for Sensor Network and its Interface for Smart Grid System
Opening date:	2009-11-20
Closing date:	2010-02-20
Note:	

Member responses:

Votes cast (31)	Armenia (SARM) Belgium (NBN) Canada (SCC) China (SAC) Côte d'Ivoire (CODINORM) Czech Republic (UNMZ) Denmark (DS) Finland (SFS) France (AFNOR) Germany (DIN) Ghana (GSB) India (BIS) Ireland (NSAI) Italy (UNI) Jamaica (BSJ) Japan (JISC) Korea, Republic of (KATS) Lebanon (LIBNOR) Luxembourg (ILNAS) Malta (MSA) Netherlands (NEN) New Zealand (SNZ) Norway (SN) Russian Federation (GOST R) Singapore (SPRING SG) South Africa (SABS) Spain (AENOR) Sweden (SIS) Switzerland (SNV) United Kingdom (BSI) USA (ANSI)
Comments submitted (2)	Nigeria (SON) Portugal (IPQ)
Votes not cast (5)	Australia (SA)

Kenya (KEBS)
 Malaysia (DSM)
 Pakistan (PSQCA)
 United Arab Emirates (ESMA)

Questions:

Q.1	"Do you accept the proposal in the attached NWI Proposal document as a sufficient definition of the new work item?"
Q.2	"Do you support the addition of the new work item to the programme of work of the joint technical committee?"
Q.3	"Do you commit yourself to participate in the development of this new work item?"
Q.4	"Are you able to offer a project editor who will dedicate his/her efforts to the advancement and maintenance of this project?"
Q.5	"Do you have a major contribution or a reference document ready for submittal?"
Q.6	"Will you have such a contribution in ninety days?"
Q.7	"Which standard development track is proposed?"

Answers to Q.1: "Do you accept the proposal in the attached NWI Proposal document as a sufficient definition of the new work item?"

15 x	Yes	Armenia (SARM) Canada (SCC) China (SAC) Czech Republic (UNMZ) Ireland (NSAI) Italy (UNI) Jamaica (BSJ) Japan (JISC) Korea, Republic of (KATS) Luxembourg (ILNAS) Netherlands (NEN) New Zealand (SNZ) Norway (SN) Singapore (SPRING SG) USA (ANSI)
4 x	No	Denmark (DS) France (AFNOR) Germany (DIN) United Kingdom (BSI)
12 x	Abstain	Belgium (NBN) Côte d'Ivoire (CODINORM) Finland (SFS) Ghana (GSB) India (BIS) Lebanon (LIBNOR) Malta (MSA)

		Russian Federation (GOST R) South Africa (SABS) Spain (AENOR) Sweden (SIS) Switzerland (SNV)
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Answers to Q.2: "Do you support the addition of the new work item to the programme of work of the joint technical committee?"

14 x	Yes	Canada (SCC) China (SAC) Czech Republic (UNMZ) Ireland (NSAI) Italy (UNI) Japan (JISC) Korea, Republic of (KATS) Luxembourg (ILNAS) Netherlands (NEN) New Zealand (SNZ) Norway (SN) Singapore (SPRING SG) United Kingdom (BSI) USA (ANSI)
3 x	No	Denmark (DS) France (AFNOR) Germany (DIN)
14 x	Abstain	Armenia (SARM) Belgium (NBN) Côte d'Ivoire (CODINORM) Finland (SFS) Ghana (GSB) India (BIS) Jamaica (BSJ) Lebanon (LIBNOR) Malta (MSA) Russian Federation (GOST R) South Africa (SABS) Spain (AENOR) Sweden (SIS) Switzerland (SNV)

Answers to Q.3: "Do you commit yourself to participate in the development of this new work item?"

7 x	Yes	China (SAC) France (AFNOR) Ghana (GSB) Japan (JISC) Korea, Republic of (KATS) United Kingdom (BSI) USA (ANSI)
10 x	No	Armenia (SARM)

		Canada (SCC) Czech Republic (UNMZ) Denmark (DS) Germany (DIN) Italy (UNI) Malta (MSA) Netherlands (NEN) New Zealand (SNZ) Norway (SN)
14 x	Abstain	Belgium (NBN) Côte d'Ivoire (CODINORM) Finland (SFS) India (BIS) Ireland (NSAI) Jamaica (BSJ) Lebanon (LIBNOR) Luxembourg (ILNAS) Russian Federation (GOST R) Singapore (SPRING SG) South Africa (SABS) Spain (AENOR) Sweden (SIS) Switzerland (SNV)

Answers to Q.4: "Are you able to offer a project editor who will dedicate his/her efforts to the advancement and maintenance of this project?"

1 x	Yes	USA (ANSI)
16 x	No	Armenia (SARM) Canada (SCC) China (SAC) Czech Republic (UNMZ) Denmark (DS) France (AFNOR) Germany (DIN) Italy (UNI) Japan (JISC) Korea, Republic of (KATS) Malta (MSA) Netherlands (NEN) New Zealand (SNZ) Norway (SN) Russian Federation (GOST R) United Kingdom (BSI)
14 x	Abstain	Belgium (NBN) Côte d'Ivoire (CODINORM) Finland (SFS) Ghana (GSB) India (BIS) Ireland (NSAI) Jamaica (BSJ) Lebanon (LIBNOR)

		Luxembourg (ILNAS) Singapore (SPRING SG) South Africa (SABS) Spain (AENOR) Sweden (SIS) Switzerland (SNV)
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Answers to Q.5: "Do you have a major contribution or a reference document ready for submittal?"

0 x	Yes	
17 x	No	Armenia (SARM) Canada (SCC) China (SAC) Czech Republic (UNMZ) Denmark (DS) France (AFNOR) Germany (DIN) Italy (UNI) Japan (JISC) Korea, Republic of (KATS) Malta (MSA) Netherlands (NEN) New Zealand (SNZ) Norway (SN) Russian Federation (GOST R) United Kingdom (BSI) USA (ANSI)
14 x	Abstain	Belgium (NBN) Côte d'Ivoire (CODINORM) Finland (SFS) Ghana (GSB) India (BIS) Ireland (NSAI) Jamaica (BSJ) Lebanon (LIBNOR) Luxembourg (ILNAS) Singapore (SPRING SG) South Africa (SABS) Spain (AENOR) Sweden (SIS) Switzerland (SNV)

Answers to Q.6: "Will you have such a contribution in ninety days?"

1 x	Yes	USA (ANSI)
15 x	No	Armenia (SARM) Canada (SCC) China (SAC) Czech Republic (UNMZ) Denmark (DS) France (AFNOR)

		Germany (DIN) Italy (UNI) Japan (JISC) Korea, Republic of (KATS) Malta (MSA) Netherlands (NEN) New Zealand (SNZ) Norway (SN) United Kingdom (BSI)
15 x	Abstain	Belgium (NBN) Côte d'Ivoire (CODINORM) Finland (SFS) Ghana (GSB) India (BIS) Ireland (NSAI) Jamaica (BSJ) Lebanon (LIBNOR) Luxembourg (ILNAS) Russian Federation (GOST R) Singapore (SPRING SG) South Africa (SABS) Spain (AENOR) Sweden (SIS) Switzerland (SNV)

Answers to Q.7: "Which standard development track is proposed?"

29 x	Default Timeframe	Belgium (NBN) Canada (SCC) China (SAC) Czech Republic (UNMZ) Côte d'Ivoire (CODINORM) Denmark (DS) Finland (SFS) France (AFNOR) Germany (DIN) India (BIS) Ireland (NSAI) Italy (UNI) Jamaica (BSJ) Japan (JISC) Korea, Republic of (KATS) Lebanon (LIBNOR) Luxembourg (ILNAS) Malta (MSA) Netherlands (NEN) New Zealand (SNZ) Norway (SN) Russian Federation (GOST R) Singapore (SPRING SG) South Africa (SABS) Spain (AENOR) Sweden (SIS) Switzerland (SNV)
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		United Kingdom (BSI) USA (ANSI)
1 x	Accelerated Timeframe	Ghana (GSB)
1 x	Extended Timeframe	Armenia (SARM)

Comments from Voters		
Member:	Comment:	Date:
Canada (SCC)	<i>Comment File</i>	2010-01-26 15:09:04
CommentFiles/JTC001-N-9921_SCC.doc		
Denmark (DS)	<i>Comment</i>	2010-02-16 12:22:24
The Danish NC cast a negative vote in accordance with the recent IEC SMB Decision 137/18: Concerning Resolutions 25 and 26 regarding Smart Grid, and Resolution 34 on Sensor Networks, SMB instructs JTC 1 to coordinate with the SMB/Strategic Group 3 Smart Grid, and suspend the new work item proposal JTC1 N9921 Sensor Networks and Interface for Smart Grid Systems. The Danish NC cast a negative vote in accordance with the recent IEC SMB Decision 137/18: Concerning Resolutions 25 and 26 regarding Smart Grid, and Resolution 34 on Sensor Networks, SMB instructs JTC 1 to coordinate with the SMB/Strategic Group 3 Smart Grid, and suspend the new work item proposal JTC1 N9921 Sensor Networks and Interface for Smart Grid Systems.		
France (AFNOR)	<i>Comment</i>	2010-02-20 18:24:17
See Comment attached See Comment attached See Comment attached See Comment attached		
France (AFNOR)	<i>Comment File</i>	2010-02-20 18:24:17
CommentFiles/JTC001-N-9921_AFNOR.doc		
Germany (DIN)	<i>Comment</i>	2010-02-19 10:02:44
see file uploaded		
Germany (DIN)	<i>Comment File</i>	2010-02-19 10:02:44
CommentFiles/JTC001-N-9921_DIN.rtf		
Korea, Republic of (KATS)	<i>Comment</i>	2010-02-19 05:20:42

We will nominate expert later		
Singapore (SPRING SG)	Comment	2010-02-19 04:00:21
United Kingdom (BSI)	Comment	2010-02-19 10:47:28
<p>The UK believes that there is currently insufficient definition on how the work relates to other standards activity on Smart Grid and the steps to be taken to avoid duplication of effort.</p> <p>The UK considers that there are valid areas of work on Sensor Networks relating to Smart Grid and would support a suitably worded proposal with a revised definition that addressed these points.</p>		
USA (ANSI)	Comment	2010-01-28 17:04:16
The US National Body offers Dr. Howard Choe as the project editor.		

Comments from Commenters		
Member:	Comment:	Date:
Nigeria (SON)	Comment	2010-02-20 14:26:48
Abstain		
Portugal (IPQ)	Comment	2010-02-19 17:46:24
Abstention		

Template for comments and secretariat observations	Date: 21 Jan 2010	Document: JTC1-N-9921
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1 MB ¹	2 Clause No./ Subclause No./ Annex (e.g. 3.1)	(3) Paragraph/ Figure/Table/ Note (e.g. Table 1)	4 Type of comment ²	5 Comment (justification for change) by the MB	(6) Proposed change by the MB	(7) Secretariat observations on each comment submitted
CA1			ge	<p>Canada Supports this NP with the following comments:</p> <p>In addition to the liaisons noted in the NP, liaisons must be established between this work and IEC TC57 (Power systems management and associated information exchange), TC65 (Industrial-process measurement, control and automation, and especially the safety and sensor/actuator networking in SC65A and SC65C) and TC77 (EMC). Ongoing work in IEC TC82, TC88, TC95, TC105 and TC114 may also relate.</p>		

1 **MB** = Member body (enter the ISO 3166 two-letter country code, e.g. CA for Canada; comments from the ISO/CS editing unit are identified by **)

2 **Type of comment:** **ge** = general **te** = technical **ed** = editorial

NOTE Columns 1, 2, 4, 5 are compulsory.

Template for comments and secretariat observations

Date:	Document:
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1	2	(3)	4	5	(6)	(7)
MB ¹	Clause No./ Subclause No./ Annex (e.g. 3.1)	Paragraph/ Figure/Table/ Note (e.g. Table 1)	Type of com- ment ²	Comment (justification for change) by the MB	Proposed change by the MB	Secretariat observations on each comment submitted
F	Scope		G	<p>The concept “SmartGrid” was created by all stakeholders concerned with Electric Energy. Local power grid sectors as well as nationwide Power grids are in the scope of the IEC since the very beginning. IEC is the right place to work on this subject. It seems very confusing that, without any previous coordination, another organization decides to play a role in a similar or different domain with the same name.</p> <p>IEC Standards Management Board has already set up a Strategic Group to analyse the state of the art in the domain of Power Grid, and to identify gaps to be covered by future standardization actions (SG3). Once this gap analysis is achieved, new proposals could be started, possibly in cooperation with other organizations such as JTC 1, depending on the needs identified.</p> <p>It is definitely premature to start standardization without having identified the relevant requirements for this new proposal.</p>		
F	Sub-clause B.3		T	<p>As obviously several other standards have already been developed to interconnect sensors; checking "NO" for other sources of standards looks like no state of the art analysis has been performed before deciding to launch a new proposal.</p> <p>When the real needs will be known, explaining how information will be exchanged, it will be the time to choose and/or adapt one of those.</p>		
F	Sub-clause D.2		T	<p>The Smart Grid concept is intended to ensure interoperability among distributed sources of electrical energy. Therefore ticking “NO” could be interpreted as a lack of knowledge of what are (multi source) sensor networks as they already exist in local or nationwide power grids. ,There is also an obvious need for sensor networks to be integrated (and therefore interoperable) with the upper levels of a power grid system (SCADA,</p>		

1 **MB** = Member body (enter the ISO 3166 two-letter country code, e.g. CN for China; comments from the ISO/CS editing unit are identified by **)

2 **Type of comment:** **ge** = general **te** = technical **ed** = editorial

NOTE Columns 1, 2, 4, 5 are compulsory.

Template for comments and secretariat observations

Date:

Document:

1	2	(3)	4	5	(6)	(7)
MB ¹	Clause No./ Subclause No./ Annex (e.g. 3.1)	Paragraph/ Figure/Table/ Note (e.g. Table 1)	Type of com- ment ²	Comment (justification for change) by the MB	Proposed change by the MB	Secretariat observations on each comment submitted
				EMS...).		

1 **MB** = Member body (enter the ISO 3166 two-letter country code, e.g. CN for China; comments from the ISO/CS editing unit are identified by **)

2 **Type of comment:** **ge** = general **te** = technical **ed** = editorial

NOTE Columns 1, 2, 4, 5 are compulsory.

1 MB / # (e.g. GB/1)	2 Clause No./ Subclause No./ Annex (e.g.3, 3.1, Annex A, A.1)	(3) Paragraph/ Figure/Table/ Note (e.g. Table 1)	4 Type of comment ²	5 Comment (justification for change) by the MB	(6) Proposed change by the MB	(7) Proposed Editors Disposition
DE			ge	Scope too wide and unclear	Define Scope significantly more precise	
DE			ge	In the NP it is unclear what a Smart Grid is	Use definitions of IEC SMB SG3 document (SMB/4175/R)	
DE			ge	Without knowledge what Smart Grid is it will be difficult to specify the appropriate Sensor Network	Evaluate from other sources what Smart Grid is first. There is already a lot of solutions on the way. See also attached document SMB/4175/R	
DE			ge	There is ongoing activity on Smart Metering in several regions, e.g. in CENELEC standardization (CENELEC TC13 WG2)	Avoid duplication of work	
DE			ge	Sensor Networks: There is a big number of application specific solutions already available for many mentioned use cases	Avoid overlaps and duplication of work. Contact ISO/IEC JTC1 SC25, IEC TC65, IEC TC57, CENELEC TC205 etc.	

Vote: negative

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² **Type of comment:** **ge** = minor general **Ge** = major general **te** = minor technical **Te** = major technical **ed** = minor editorial **Ed** = major editorial. (Take care of Word changing **te** to **Te** etc.)

NOTE 1 Columns 1, 2, 4, 5 and 6 are compulsory. If column 4 is **ge**, use **ge** in column two also (and leave column 3 blank) if it applies to the whole document.

NOTE 2 NBs should not change the width of columns, in order to make merging easier.

Note 3 **Please submit this document in .doc format and NOT .pdf**

1	2	(3)	4	5	(6)	(7)
MB / # (e.g. GB/1)	Clause No./ Subclause No./ Annex (e.g.3, 3.1, Annex A, A.1)	Paragraph/ Figure/Table/ Note (e.g. Table 1)	Type of com- ment ²	Comment (justification for change) by the MB	Proposed change by the MB	Proposed Editors Disposition

Attachment (Smart Grid Definitions)

Smart Grid Definition by IEC SMB/SG3 (SMB/4175/R)

SG3 defines Smart Grids as the concept of modernizing the electric grid. The Smart Grid is integrating the electrical and information technologies in-between any point of Generation and any point of Consumption.

Smart Grid Definition by European Technology Platform Smart Grid is cited in document SMB/4175/R as follows:

Source:

European Technology Platform SmartGrids
Strategic Deployment Document for Europe's Electricity Networks of the Future
September 2008; (<http://www.smartgrids.eu>)

A SmartGrid is an electricity network that can intelligently integrate the actions of all users connected to it - generators, consumers and those that do both – in order to efficiently deliver sustainable, economic and secure electricity supplies.

A SmartGrid employs innovative products and services together with intelligent monitoring, control, communication, and self-healing technologies to:

- *better facilitate the connection and operation of generators of all sizes and technologies;*
- *allow consumers to play a part in optimizing the operation of the system;*
- *provide consumers with greater information and choice of supply;*
- *significantly reduce the environmental impact of the whole electricity supply system;*
- *deliver enhanced levels of reliability and security of supply.*

Smart Grid deployment must include not only technology, market and commercial considerations, environmental impact, regulatory framework, standardization usage, ICT (Information & Communication Technology) and migration strategy but also societal requirements and governmental edicts.

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