iot-2013-00010

eb-2013-00421

USNC TMC 773
21 August 2012

HEAD OF DELEGATION (HoD) REPORT

U.S. Member Body of the International Organization for Standardization (ISO)

U.S. National Committee of the International Electrotechnical Commission (IEC)

Please return this report within one month of the completion of the international meeting and submit it to the appropriate ANSI Department as follows:

ISO	USNC
ISOT@ansi.org	USNC@ansi.org

HoD reports can be used for a variety of purposes. For example:

- **To report results of a TC/SC meeting to the related TAG**
- **To publicize the work of the TC/SC to the related US constituency via ANSI On-line, USNC News and Notes, or other media**
- **To suggest areas for possible development of featured articles**
- **To address specific challenges and concerns that the HoD may bring to the attention of related ANSI and/or USNC/IEC management**

PLEASE REMEMBER: Your HoD report is NOT filed as a confidential, password protected document and, therefore, may have broad, unintended distribution. Keep this in mind when preparing the report and, if appropriate, use a more secure form of correspondence to call attention to any sensitive issues.

Completed by:

Head of Delegation: (Please print)	**Steve Halliday**
Telephone/Telefax:	**724 443 7518**
Email:	**steve@hightechaid.com**
Date:	**15 March, 2013**

Meeting of JTC 1/SWG 5 IoT (Designation/Title)
Date(s) 6th – 8th March, 2013
Location DIN, Berlin Germany

1.	MEETING ATTENDANCE

Please indicate, if available, both the number of delegates and the countries represented at the Meeting:

27 people attended (including the convenor and secretary representing: Korea, Germany, SC 31, USA, China, UK, Canada, TC 122, Singappor, Austria, Japan

__ Meeting attendance roster and meeting resolutions attached, if available

Please comment on significant or unusual attendance issues (e.g., new member bodies, regular members not in attendance, new Chairman or Secretariat, non-accredited U.S. persons, etc.).

First meeting. Confusion about the status of members from other committees and their ability to take positions as liaisons. They are not liaisons but members per the original call for members.

	MEETING OBSERVATIONS
2.	**Overall, how well did the U.S. meet its objectives on policy or technical matters?**

_x_ Very Successful -- U.S. positions were accepted in whole
__ Successful -- Compromises were reached which are acceptable to the U.S.
__ Not Successful -- U.S. positions were not accepted

3. Please comment on any issues of significance which might have an impact upon materially affected or interested U.S. parties.

It will be in the US interest to get more members to this group.

4. Was there any discussion for which the United States was unprepared? (e.g., late document distribution, addition of new items, etc.)

No

5. Did the U.S. extend an offer to assume any new TC/SC Secretariat or management positions?

_x_ Yes __ No
(If yes, please indicate which position and provide Officer contact information.)
The US took leadership of all three adhoc groups created

6. Did the U.S. extend an offer to host any future TC/SC meetings?

_x_ Yes __ No
If yes, please identify:
The US made a tentative offer to host the next meeting in August 2013. This is to be confirmed to the convenor as soon as possible.

7.	**Were any new issues raised which require, or might involve, coordination with other U.S. bodies? (Include coordination items with other U.S. TAGs, ANSI policy-level committees (AIF, AIC, the USNC TMC and/or Council, etc.)**
	__ Yes _x_ No **If yes, please identify:**
8.	**Did the U.S. put forth/agree to put forth any New Work Items?**
	__ Yes _x_ No **If yes, please identify:**
9.	**Was there any evidence of irregular voting by participating countries?**
	__ Yes _x_ No **If yes, please identify any significant issues or concerns:**
10.	**Are work items in the TC or SC being affected by related work in regional standards bodies (e.g., CEN, CENELEC, ETSI, PASC, NAFTA, COPANT, etc.)?**
	_x_ Yes __ No **__ No related regional activity** **If yes, please explain:** **The SWG is tasked with collecting information from Standards bodies all over the world, so it is important that contact be made with those groups**
11.	**Were any new issues raised which require, or might involve, coordination with emerging market countries?**
	Yes _x_ No **If yes, please explain:**
12.	**Were any issues raised which relate to or impact existing U.S. regulatory matters?**
	__ Yes _x_ No **If yes, please explain:**
13.	**Please identify any IMMEDIATE U.S. TAG actions which will be required as a result of this international meeting.**
	None, other than the TAG needs better membership from US companies, and needs to work on hosting the next meeting.
14.	**Please identify specific decisions which the U.S. delegation believes to be noteworthy for publication, publicity and/or development of a future article. If there are any, would you be willing to help develop an article for publication?**

Other than the creation o the new group and the first meeting, nothing this early in the groups existance **_x_ Yes** **__ No**
15. What might be done to further promote the ANSI Federation's goal of "global standards that reflect U.S. interests?" (Consider such issues as how might the U.S. further promote acceptance of related American National Standards in international and, where applicable, regional fora?)
16. Has this report been provided to your TAG Administrator for US TAG distribution?
_x_ Yes **__ No**
17. Other Comments

July 2012

ISO/IEC JTC 1/SWG 5
Internet of Things (IoT)
Secretariat: KATS (Korea, Republic of)

Replaces:	N 25
Document type:	Meeting Report
Title:	Recommendations of the 1st ISO/IEC JTC 1/SWG 5 Meeting (revised)
Status:	Recommendations (revised) of the 1st ISO/IEC JTC 1/SWG 5 Meeting in 6-8 March 2013
Date of document:	2013-03-25
Source:	ISO/IEC JTC 1/SWG 5 Meeting (6-8 March 2013, DIN, Germany)
Expected action:	INFO
No. of pages:	3
Email of secretary:	khj@etri.re.kr
Committee URL:	http://isotc.iso.org/livelink/livelink/open/jtc1swg5

Recommendations of the 1st ISO/IEC JTC 1/SWG 5 Meeting in March 2013
6-8 March 2013

Recommendations

Recommendation 1: Establishment of an Ad-hoc Group to Develop a Common Understanding of IoT (Ad-hoc Group 1)
ISO/IEC JTC 1/SWG 5 notes that IoT has diverse applications and encompasses many technical and non-technical disciplines, including, but not limited to, physical connectivity, data manipulation, application interfaces, regulatory issues, and cyber security. Therefore, SWG 5 agrees to develop a common understanding of IoT with an IoT Mind Map that would be essential to the work it has undertaken. SWG 5 appoints the following as ad-hoc group 1 members: Nader Moayeri (Co-Convenor), Faud Khan (Co-Convenor), Wei Min, Maik Seewald, Detlef Tenhagen, Mario Wendt, Jun Seob Lee, Kazuya Kawai, Changseok Bae, Hyoung Jun Kim, Marie Kim, Yong-Woon Kim, Joo-Sang Park, Sangkeun Yoo, Henri Barthel, Rick Schuessler, Buaey Qui Ho, Craig Harmon, Richard Foggie, Kate Grant, Andy Heath, Nigel Rix, Richard Rees, Chuck Adams, Chuck Evanhoe and Steve Halliday. The first meeting of the ad-hoc group shall be no later than 30 April 2013.
Unanimous

Recommendation 2: Establishment of an Ad-hoc Group to Identify Market Requirements for IoT (Ad-hoc Group 2)
ISO/IEC JTC 1/SWG 5 notes that the Terms of Reference establishing SWG 5 outlines the expectation for the SWG to identify Market Requirements for IoT. SWG 5 appoints the following as ad-hoc group 2 members: Chuck Evanhoe (Convenor), Faud Khan, Wei Min, Maik Seewald, Detlef Tenhagen, Mario Wendt, Jun Seob Lee, Kazuya Kawai, Changseok Bae, Hyoung Jun Kim, Marie Kim, Yong-Woon Kim, Joo-Sang Park, Sangkeun Yoo, Henri Barthel, Rick Schuessler, Buaey Qui Ho, Craig Harmon, Richard Foggie, Kate Grant, Andy Heath, Nigel Rix, Richard Rees, Chuck Adams, Steve Halliday, and Nader Moayeri. The first meeting of the ad-hoc group shall be no later than 30 April 2013.
Unanimous

Recommendation 3: Establishment of an Ad-hoc Group to Identify Standardization Gaps and Develop a Standards Roadmap for IoT (Ad-hoc Group 3)
ISO/IEC JTC 1/SWG 5 notes that the Terms of Reference establishing SWG 5 outlines the expectation for the SWG to identify Standardization Gaps and Standards Roadmap for IoT taking into account inputs from relevant stakeholders. SWG 5 appoints the following as ad-hoc group 3 members: Steve Halliday (Convenor), Faud Khan, Wei Min, Maik Seewald, Detlef Tenhagen, Mario Wendt, Jun Seob Lee, Kazuya Kawai, Changseok Bae, Hyoung Jun Kim, Marie Kim, Yong-Woon Kim, Joo-Sang Park, Sangkeun Yoo, Henri Barthel, Rick Schuessler, Buaey Qui Ho, Craig Harmon, Richard Foggie, Kate Grant, Andy Heath, Nigel Rix, Richard Rees, Chuck Adams, Chuck Evanhoe, and Nader Moayeri. The first meeting of the ad-hoc group shall be no later than 30 April 2013.
Unanimous

Recommendation 4: Internal Outreach
ISO/IEC JTC 1/SWG 5 requests the Convenor of this meeting to forward a letter to the following Internal ISO/IEC JTC 1 entities to determine their interest in the activities of SWG 5

and willingness to participate: SWG 1, SWG 4, WG 7, WG 8, SC 6, SC 7, SC 17, SC 24, SC 25, SC 27, SC 28, SC 29, SC 32, SC 35, SC 36, SC 37, SC 38, SC39 and ISO/IEC JTC 1 PAS Submitters
Unanimous

Recommendation 5: External Outreach
ISO/IEC JTC 1/SWG 5 requests the Convenor of this meeting to forward a letter to the following entities to determine their interest in the activities of SWG 5 and willingness to participate: ISO TC 8, ISO TC 104, ISO TC 163, ISO TC 173, ISO TC 184, ISO TC 204, ISO TC 205, ISO TC 211, ISO TC 215, ISO TC 242, ISO TC 247, ISO TC 269, IEC TC 3, IEC TC 8, IEC TC 9, IEC TC 13, IEC TC 62, IEC TC 65, IEC TC 79, IEC TC 80, IEC TC 100, IEC TC 106, IEC TC 110, IEC PC 118, IEC CISPR, IEC SMB SG 5, IEC SMB SG 6, IEEE 1451, IEEE 802.11, IEEE 802.15, IETF, ETSI TC M2M, UN/ECE, IATA, IMP, WCO, OGC, EU IERC, OASIS, OMA, ECMA, TIA, GSC MSTF, IMSO, ICAO, WCO, IMO, UN/ECE, NFC Forum, ZigBee Alliance, ISA, HCF, IATA, AIAG, SAE, JAMA, JAPIA, ODETTE, EDIFICE, SEMI, CENELEC, CEN 224, CEN 247, CEN 278, CEN 287,CEN 294, CEN 304, CEN 310, GPII and AIM.
Unanimous

Recommendation 6: External Outreach
ISO/IEC JTC 1/SWG 5 requests the Convenor of this meeting to forward a letter to ISO TMB and IEC SMB to inform their membership of the work of SWG 5 and SWG 5's desire to include all interested parties in their work.
Unanimous

Recommendation 7: Liaison Request from ITU-T JCA-IoT
ISO/IEC JTC 1/SWG 5 notes that ITU-T JCA-IoT has appointed Mr. Jun Seob Lee as the liaison from ITU-T JCA-IoT to SWG 5. SWG 5 accepts the liaison request from ITU-T JCA-IoT and Mr. Jun Seob Lee as the liaison.
Unanimous

Recommendation 8: Liaison Request to ITU-T JCA-IoT
ISO/IEC JTC 1/SWG 5 requests the Convenor of this meeting to forward a request to the Secretariat of ISO/IEC JTC 1 for Category C Liaison with ITU-T JCA-IoT and to appoint Dr. Nader Moayeri and Mr. Craig Harmon as the SWG 5 liaisons to ITU-T JCA-IoT.
Unanimous

Recommendation 9: Liaison Request to CEN TC 225
ISO/IEC JTC 1/SWG 5 requests the Convenor of this meeting to forward a request to the Secretariat of ISO/IEC JTC 1 for Category C Liaison with CEN TC 225 and to appoint Mr. Detlef Tenhagen as the SWG 5 liaison to CEN TC 225.
Unanimous

Appreciations

ISO/IEC JTC 1/SWG 5 expresses its sincere appreciation to DIN for arranging and hosting the 1st meeting of ISO/IEC JTC 1/SWG 5 in Berlin, Germany.
Acclamation

ISO/IEC JTC 1/SWG 5 expresses its sincere appreciation to Dr. Nikolaus Kovacs for arranging and hosting the 1st meeting of ISO/IEC JTC 1/SWG 5 in Berlin, Germany.
Acclamation

ISO/IEC JTC 1/SWG 5 expresses its appreciation to the contributors for their presentations to the meeting.
Acclamation

ISO/IEC JTC 1/SWG 5 expresses its appreciation to its Convenor, Mr. Sangkeun Yoo, for his leadership of the meeting.
Acclamation

ISO/IEC JTC 1/SWG 5 expresses its appreciation to its Secretary, Mr. Hyoung Jun Kim, for his support of this meeting.
Acclamation

ISO/IEC JTC 1/SWG 5 expresses its appreciation to its Drafting Committee members, Yong-Woon Kim, Heinrich Oehlmann, Detlef Tenhagen, Nader Moayeri, Steve Halliday, Wilbert Adams, Wei Min, Andy Heath, and Chuck Evanhoe for their work on the Recommendations.
Acclamation

***Meeting Attendee List (*as documented by Dr. Adams, not available from SWG5 document repository)**

Representing	Name	Company
Austria	Preishuber Pflügl, Josef	CISCO
Canada	Khan, Faud	TwelveDot
China	Min, Wei	CQUPT
Germany	Kovacs, Nikolaus	DIN
Germany	Oehlmann, Heinrich	Eurodata
Germany	Seewald, Maik	CISCO
Germany	Tenhagen, Detlef	HARTING
Germany	Wendt, Mario	Microsoft
Germany	Wischhöfer, Cord	DIN
ITU-T	Lee, Jun Seob	ETRI
Japan	Kawai, Kazuya	Panasonic
Korea	Bae, Changseok	ETRI
Korea	Kim, Hyoung Jun (Secretary)	ETRI
Korea	Kim, Marie	ETRI
Korea	Kim, Yong-Woon	ETRI
Korea	Park, Joo-Sang	ETRI
Korea	Yoo, Sangkeun (Convenor)	ETRI
SC31	Barthel, Henri	GS1
SC31	Schuessler, Rick	Motorola
Singapore	Ho, Buaey Qui	
TC122	Harmon, Craig	QED
UK	Foggie, Richard	Knowledge Transfer Network
UK	Grant, Kate	Nine Tiles
UK	Heath, Andy	Axelrod
UK	Nix, Nigel	
UK	Rees, Richard	Scanology
USA	Adams, Chuck	Huawei
USA	Evanhoe, Chuck	Evanhoe
USA	Halliday, Steve	High Tech Aid
USA	Moayeri, Nader	NIST