ISO/IEC JTC 1 N 9075   2008-05-16

ISO/IEC JTC 1
Information Technology

Document Type: **Other Document(Defined)**

Document Title: **Liaison Organization Contribution for consideration at the 1st SGSN Meeting, 26-27 June.**

Document Source: **SGSN Convenor**

Reference:

Document Status: **This document is circulated to JTC 1 National Bodies for information**

Action ID: **Information**

Due Date:

No. of Pages: **19**

ISO/IEC JTC 1
Study Group on Sensor Networks

Document Number:	SGSN N016
Date:	2008-05-15
Replace:	
Document Type:	Liaison Organization Contribution
Document Title:	ISO/IEC JTC 1/SC 31/WG 6
Document Source:	JTC 1/ SC 31
Document Status:	For consideration at the 1st SGSN Meeting, 26-27 June.
Action ID:	FYI
Due Date;	
No. of Pages:	18

SGSN Convenor: Dr. Yongjin Kim, Modacom Co., Ltd (Email: cap@modacom.co.kr)

SGSN Secretary: Ms. Jooran Lee, Korean Standards Association (Email: jooran@kisi.or.kr)

ISO/IEC JTC 1/SC 31/WG 6

CRAIG K. HARMON
CONVENOR

Terms of Reference SC 31/WG 6

Scope

The work on Mobile item identification and management will be conducted within a new Working Group of JTC 1/SC 31, entitled ISO/IEC JTC 1/SC 31/WG 6 – *Mobile Item Identification and Management (MIIM)*.

The scope of SC 31/WG 6 is "Standardization of automatic identification and data collection techniques that are anticipated to be connected to wired or wireless networks, including sensor specifications, combining RFID with mobile telephony, and combining optically readable media with mobile telephony. Excluded is the work of JTC 1/SC 31/WG 1, JTC 1/SC 31/WG 4, JTC 1/SC 31/WG 5, JTC 1/SC 6, JTC 1/SC 17, and ISO TC 204."

Liaisons

SC 31/WG 6 seeks liaisons with

JTC 1/SC 31/WG 1	JTC 1/SC 31/WG 2	JTC 1/SC 31/WG 3
JTC 1/SC 31/WG 4	JTC 1/SC 31/WG 5	JTC 1/SC 31/WG 3/SG 1
JTC 1/SC 6	JTC 1/SC 27	✓ ITU-T JCA-NID
✓ ITU-T SG 16	✓ ITU-T SG 17	ITU-R
IEEE	IETF	✓ ETSI
JTC 1/SC 17	ISO TC 204	

1ST MEETING

- Vienna, Austria – 2008-04-10-11

- Attended by NB delegates from

Austria	Canada	Germany	Japan
Korea	Netherlands	Russia	Singapore
South Africa	Sweden	United States	

- Attended by SC 31 Liaisons GS1 and IEEE

Project Editor for 29143

- **wg6n0035 — Resolution 1**
  SC 31/WG 6 resolves to appoint Mr. Josef Preishuber-Pfluegl as the project editor for ISO/IEC 29143, *Information technology —Automatic Identification and Data Capture Technique — Air Interface specification for Mobile RFID interrogator*

Approved Work Item

ISO/IEC WI 29143 — *Information technology — Automatic identification and data capture techniques — Air interface specification for Mobile RFID interrogator* (31n2336)

—**wg6n0035 Resolution 22**

SC 31/WG 6 resolves to appoint Mr. Josef Preishuber-Pfluegl, Mr. Chanwon Park, Mr. David Tschische, Mr. Chee Kim Loon, Mr. Rick Schuessler, and Mr. Mikael Hjalmarson as members of WI 29143 Ad hoc and Mr. Josef Preishuber-Pfluegl will lead the Ad hoc. The Ad hoc will make the draft available by 1 August 2008, at which time the reviewed draft will be submitted to WG 6 for comments (13B) for 30 days. The Ad hoc will then make appropriate changes in the document and is authorized to submit the document for CD ballot.

SC 31 as a JTC 1 SC under the ISO/IEEE PSDO

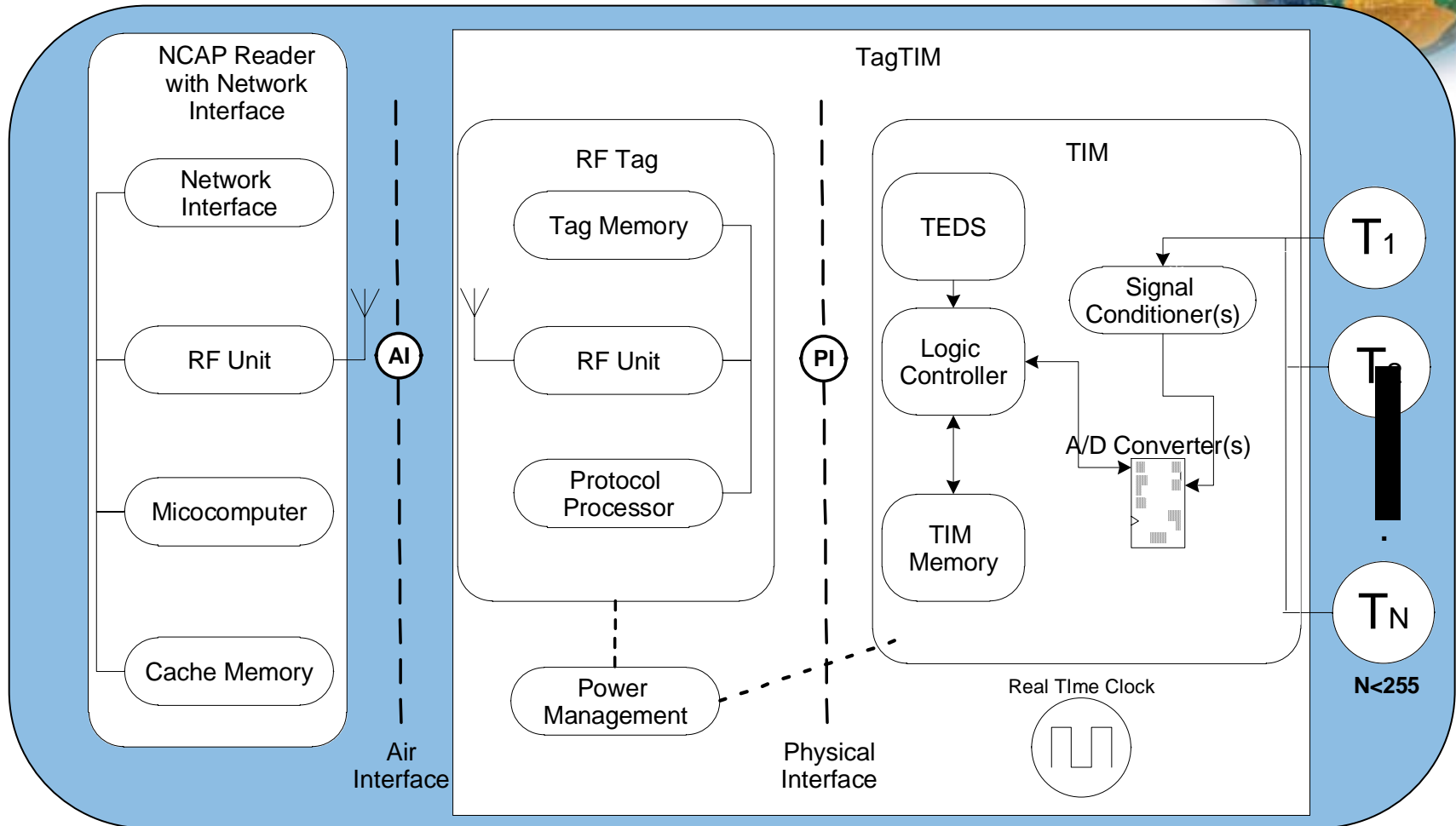## PSDO Designation of ISO/IEC JTC 1/SC 31

— **wg6n0035 Resolution 3**

SC 31/WG 6, noting the ISO/IEEE Partnership Standards Development Organization (PSDO) Agreement, dated 2007-12-19, instructs JTC 1/SC 31 to request that JTC 1 ITTF and the ISO Central Secretariat, in cooperation with IEEE, include JTC 1/SC 31 as one of the SCs within the ISO/IEEE PSDO Agreement.

— SC 31 is already working in cooperation with IEEE in the development of IEEE 1451.7. The PSDO designation for SC 31 would permit 1451.7 to be under an official Joint Development Group (JG).

Sensor – RFID Architecture Logical Diagram – 1451.7

PSDO Fast Track of IEEE 1451.0, 1451.1, 1451.2, and 1451.5

— **wg6n0035, Resolution 4 —** SC 31/WG 6, noting the ISO/IEEE Partnership Standards Development Organization (PSDO) Agreement, resolves to approve the submission of **IEEE 1451.0**, *IEEE Standard for a Smart Transducer Interface for Sensors and Actuators — Common Functions, Communication Protocols, and Transducer Electronic Data Sheet (TEDS) Formats* for PSDO fast-track processing and instructs JTC 1/SC 31 to submit the same to JTC 1 under the ISO/IEEE PSDO Agreement.

— **wg6n0035, Resolution 5 —** SC 31/WG 6, noting the ISO/IEEE Partnership Standards Development Organization (PSDO) Agreement, resolves to approve the submission of **IEEE 1451.1**, *IEEE Standard for a Smart Transducer Interface for Sensors and Actuators — Network Capable Application Processor (NCAP) Information Model* for PSDO fast-track processing and instructs JTC 1/SC 31 to submit the same to JTC 1 under the ISO/IEEE PSDO Agreement.

— **wg6n0035, Resolution 6 —** SC 31/WG 6, noting the ISO/IEEE Partnership Standards Development Organization (PSDO) Agreement, resolves to approve the submission of **IEEE 1451.2**, *IEEE Standard for a Smart Transducer Interface for Sensors and Actuators — Transducer to Microprocessor Communication Protocols and Transducer Electronic Data Sheet (TEDS) Formats* for PSDO fast-track processing and instructs JTC 1/SC 31 to submit the same to JTC 1 under the ISO/IEEE PSDO Agreement.

— **wg6n0035, Resolution 7 —** SC 31/WG 6, noting the ISO/IEEE Partnership Standards Development Organization (PSDO) Agreement, resolves to approve the submission of **IEEE 1451.5**, *IEEE Standard for a Smart Transducer Interface for Sensors and Actuators — Wireless Communication Protocols and Transducer Electronic Data Sheet (TEDS) Formats* for PSDO fast-track processing and instructs JTC 1/SC 31 to submit the same to JTC 1 under the ISO/IEEE PSDO Agreement.
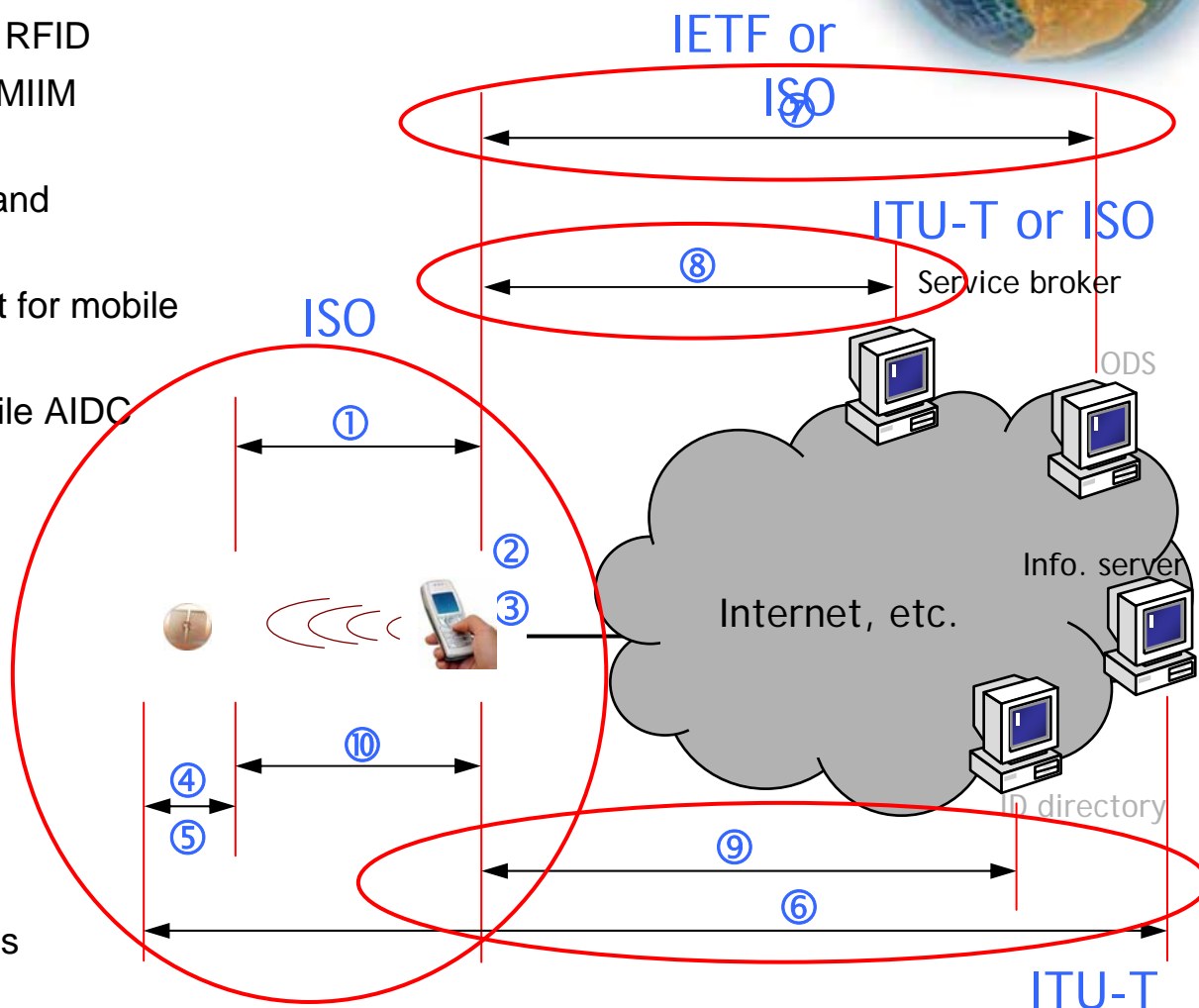
Anticipated Work Items — Mobile AIDC

— *Mobile Item Identification and Management (MIIM) - Mobile AIDC Data interface between phone and interrogator*

— *Mobile Item Identification and Management (MIIM) - Mobile application interface for MIIM applications*

— *Mobile Item Identification and Management (MIIM) - RFID ODS (object directory service) for mobile AIDC services*

— *Mobile Item Identification and Management (MIIM) - ID scheme and encoding format for mobile AIDC services*

— *Mobile Item Identification and Management (MIIM) - Application data format for mobile AIDC services*

— *Mobile Item Identification and Management (MIIM) - Multiple ID resolution service for mobile AIDC services*

— *Mobile Item Identification and Management (MIIM) - Service broker for mobile AIDC services*

— *Mobile Item Identification and Management (MIIM) - Security and privacy protection for mobile RFID services*

— *Mobile Item Identification and Management (MIIM) - Conformance and Test standards for mobile RFID specifications*

[TR] *Mobile Item Identification and Management (MIIM) - Mobile Optically Readable Media (ORM)*

[TR] *Mobile Item Identification and Management (MIIM) - MIIM Service Architecture*

SDO Cooperation

① Air interface protocol for Mobile RFID

② Mobile application interface for MIIM services

③ Data Interface between phone and interrogator for Mobile RFID

④ ID scheme and encoding format for mobile AIDC services

⑤ Application data format for mobile AIDC services

⑥ Security and privacy protection for Mobile RFID services

⑦ RFID ODS (object directory service) for Mobile RFID services

⑧ Service broker for Mobile RFID services

⑨ Multiple ID resolution service

⑩ Conformance and test standards

IETF or ISO

⑦

ITU-T or ISO

⑧ Service broker

ISO

ODS

①

②

③

Internet, etc.

Info. server

⑩

④

⑤

ID directory

⑨

⑥

ITU-T

Category C Liaisons – WG 6 Level

- **Resolution 19 -** Liaison with the European Telecommunications Standard Institute (ETSI): SC 31/WG 6, noting the need for external liaison with ETSI, resolves to appoint Mr. Josef Preishuber-Pfluegl as liaison officer with ETSI.

- **Resolution 20 - Liaison with ITU-T:** SC 31/WG 6, noting the need for external liaison with ITU-T, specifically relating to Study Groups 16 and 17, resolves to appoint Mr. Jun Seob Lee and Mr. You Sung Kang as liaison officers with ITU-T including its study groups, SG 16, SG 17, and others dealing with Mobile Item Identification and Management.

- **Resolution 21 - Liaison with NFC Forum:** SC 31/WG 6, noting the need for external liaison with the Near Field Communication (NFC) Forum, resolves to appoint Mr. Mikael Hjalmarson as liaison officer with the NFC Forum.

- Recognizing the Terms of Reference establishing SC 31/WG 6 and that within WG 6 no individual has been identified to serve as the liaison officer from WG 6, SC 31/WG 6 requests to establish Category B External Liaison status with the following organizations:
  - IEEE
  - IETF

Formal Internal Liaisons – WG 6 Level

- Recognizing the Terms of Reference establishing SC 31/WG 6 and that within WG 6 no individual has been identified to serve as the liaison officer from WG 6, SC 31/WG 6 requests to establish Formal Internal Liaison status with the following organizations:
  - JTC 1/SC 6
  - JTC 1/SC 17
  - JTC 1/SC 27
  - ISO TC 204

Requested Resolutions from SC 31

- Cooperation between ISO/IEC JTC 1/SC 31/WG 6, JTC 1/SC 6, ITU-T, & NFC Forum
- Comprehensive standards for Sensors, Sensor Networks, Mobile RFID, and Mobile ORM
- Enabling the vision of RFID/USN

Meeting Schedule

- Next meeting in approximately six months by "modern means"

- Schedule based on the submissions of NPs

- Next physical meeting approximately one month prior to 2009 Plenary – Venue: Cedar Rapids, IA

- Currently planning on one physical meeting per year with one teleconference approximately six months from the physical meeting

THANK YOU !!!

Craig K. Harmon,
President & CEO
Q.E.D. Systems
craig.harmon@qed.org
+1 319/364-0212

QED SYSTEMS