

ISO/IEC JTC 1/SC 32 N 1902

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Dr. Timothy Schoechle, Secretary, ISO/IEC JTC 1/SC 32
Farance Inc *, 3066 Sixth Street, Boulder, CO, United States of America
Telephone: +1 303-443-5490; E-mail: Timothy@Schoechle.org
available from the JTC 1/SC 32 WebSite <http://www.jtc1sc32.org/>
*Farance Inc. administers the ISO/IEC JTC 1/SC 32 Secretariat on behalf of ANSI



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China National Institute of Standardization

No.4, Zhichun Road

Beijing, China

Direct Line: +86 10 5881 1607

Direct Fax: +86 10 5881 1616

E-mail: Wenfeng Sun, Convenor
sunwf@cnis.gov.cn

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eBusiness

DOCUMENT

TYPE : Other document (open)

TITLE : JTC1/SC32/WG1 Comments to ISO/IEC JTC1 SGSN N070

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NOTES :

ISO/IEC JTC1 SC32/WG1 Comments to ISO/IEC JTC1 SGSN N070

As a new technology, Sensor Networks provides technical solutions to many application areas, in which new business operations and processes emerge because of its application. The operational aspects of eBusiness are addressed in ISO 14662 and ISO 15944 standards, and are significantly missing in the current SGSN N070 document. In these two standards, Business Operational View (BOV) and Functional Service View (FSV) for eBusiness are specified. They are widely used in many standard activities relates to e-things today, and shall also be used in considering SN standardization, which contains business operation aspects inextricably.

The ISO/IEC JTC1 SC32/WG1 lists its comments to the ISO/IEC JTC1 SGSN N070 as follows:

1. In general

SGSN N070 needs to be updated to state that any SGSN related standard must to be structured so that its implementation is able to be implemented in conformance and/or its implementation being structured to be able to and facilitate compliance with applicable legislative requirements in any of the jurisdictional domains in which the standard is intended to be implemented.

2. In general

Need to make a clear differentiation and distinguish between as "user" as a real world Person (defined in ISO/IEC 14662) and a "user" as part of an IT system, i.e. an IT agent and thus not a "real" Person.

Consequently, any sensor network application needs to differentiate between its application at the most fundamental, or primitive, level between

- 1) any entity or object which is NOT a Person (e.g. weather, industrial (bar coded) products, any physical object/thing (or instantiation of the same); and,
- 2) any entity which as the subject of a Sensor Network is a "Person" recognized in law (either as an "individual", "organization" or "public administration").

3. Clause 2

Need to consider definitions used in operational aspects, for example "user", "provider", "phenomena", etc.

4. Clause 3

Figure 3-1 needs to be updated considering the conceptual, operational aspects. For example, the current four interfaces do not include terminology standards.

Requirements also need to be identified for whether or not an operational top view model is needed, to decide the scope of SN standardization

5. Clause 6

It is noted in the text of clause 6.1 that the system architecture approach provides “Identification, evaluation, refinement, and validation of the generic requirements and operational concepts”.

ISO 14662 BOV and FSV perspectives need to be added to Table 6-1 and be stated accordingly in the text.

According to the analysis of 6.1, the system architecture may not be the only possible result of this analysis, an architecture that includes both the business operations and functions/services may be the result. Or, a business operation model be produced in clause 6.3.

6. Clause 7

Needs to be updated accordingly, if the previous comments were accepted and new standardization areas about operational aspects of SN were identified.

7. Clause 8.1.1.13

Updates the text currently found in Clause 8.1.1.13 as per JTC1/SC32 Scope statement including the inclusion of that for SC32/WG1, even in summary form, which is:

“Standardization in the field of generic information technology standards for open electronic data interchange needed to attain global interoperability among the information technology systems used by organizations. Such interoperability is viewed from both business and information technology perspectives.”

8. Clause 8.2

Needs to be updated according the previous comments.