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

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| MB[1] / # (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 |
| CA/1 | 5.1 | | ge | Figure 1 presents a "functional architecture of sensor networks" which differs from those provided in the early drafts of WD 29182 (-1, -6 and -7). A reference to WD 29182 and how these architectures will related to each other would be helpful. It is understood that alignment with the "viewpoints" to be provided in WD 29182 (Part 3?) will be helpful. It would be helpful to discuss the origin of the "Service Layer" shown in Figure 1, since this is being added to the classic OSI mode (ISO/IEC 7498). | Co-ordination with WD 29182 is required. | Different sensor network architectures can be established from different point of views. It is accepted that, a sensor network architecture, if being developed from the same point of view, should be consistent between this standard and WD 29182. Figure 1 is a simplied architecture which is aligned with the one given by Figure 6-5 in "Technical Document on Sensor Networks (Version 3)" (WGSN-N007). Figure 6-5 in WGSN-N007 also gives the relationship between different layers in the proposed sensor network system architecture and the ISO/OSI RM. |
| OGC/1 | 3 | | ed | Terms should be listed in alphabetical order. | List them in alphabetical order. | Accepted. |
| OGC/2 | 3.1 | | ed | Term is in plural form, definition is in singular form. | Make the term singular. | Accepted. |
| OGC/3 | 3.1 | | ed | What does "ICT" mean? | The abbreviation "ICT" should be spelled out here since this is its only use in the standard. | Accepted. The definition of "sensor network" is aligned with the one in ISO/IEC WD 29182-2 (WGSN-N125). |

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**Disposition of Comments on WGSN N087 1st WD of ISO/IEC 20005: Information Technology - Sensor Networks - Services and Interfaces Supporting Collaborative Information Processing in Intelligent Sensor Networks**

| Date: 2010-12-15 | Document: WGSN-N087 |
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| 1<br>MB[1]/ #<br>(e.g.<br>GB/1) | 2<br>Clause No./<br>Subclause<br>No./<br>Annex<br>(e.g.3, 3.1,<br>Annex A,<br>A.1) | (3)<br>Paragraph/<br>Figure/Table/<br>Note<br>(e.g. Table 1) | 4<br>Type<br>of<br>com-m<br>ent[2] | 5<br>Comment (justification for change) by the MB | (6)<br>Proposed change by the MB | (7)<br>Proposed Editors Disposition |
|---|---|---|---|---|---|---|
| OGC/4 | 3.2 | | te | What does "actuator" mean in this context? | Define the term "actuator" in this clause. | Accepted. Definition from the 1st WD 29182-2 and US NB contribution (WGSN-N108) is used. |
| OGC/5 | 3.3 | | ed | According to the ISO/IEC Directives, a term should not be capitalized unless it is used that way in running text. | Change "Sensor network service" to "sensor network service." | Accepted. |
| OGC/6 | 3.6 | | te | The definition for "information" should be consistent with other JTC1 terminology. | Use the definition from ISO/IEC 2382-1 "knowledge concerning objects, such as facts, events, things, processes, or ideas, including concepts, that within a certain context has a particular meaning." | Accepted. |
| OGC/7 | 4 | | ed | Abbreviations should be listed in alphabetical order. | | Accepted. |
| OGC/8 | 5.2 | 3rd list item | ed | If this is a statement of a requirement, it should use normative language. | Replace "can" with "shall." | Accepted. |
| OGC/9 | 5.2 | Figure 2 | ed | The terms in the group "Detection, Localization, Tracking …" are not mentioned in the text describing this 3-D model. They do not seem to relate to any of the three dimensions of the model. | Delete this group of terms from the figure. | In the 3-D model, "CIP component task" viewpoint is application-specific. Component tasks in two application contexts, one for anti-intrusion application and the other for healthcare application, are presented in Figure 2.<br><br>Figure 2 and the description text of the figure is updated for clarity purpose. |
| OGC/10 | 5.4 | Figure 3 | ed | The colored hatching in three of the text boxes makes it very difficult to read the underlying text. | Remove the hatching. Use a light grey backgound tint. | Accepted. |

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| OGC/11 | 5.4 | 2ⁿᵈ paragraph | te | Information about capabilities should certainly include location. | Add location to the set of elements of individual node information. | Accepted. |
| OGC/12 | 5.5.1 | 1ˢᵗ list item | te | The term "event" used in this item and elsewhere should be defined in the terminology clause. It seems to refer to a change in the state of the environment, the sensor, or the network. | Include a definition for this term in Clause3. Consider the definition provided in OGC document 09-032 clause 3.16: "Event – Anything that happens or is contemplated as happening at an instant or over an interval of time." | Accepted. |
| OGC/13 | 5.5.1 | | te | Here and elsewhere in the standard subscription is limited to events. | Depending upon the definition of event, there may be a need to provide for subscription to two kinds of services: one that provides all data from a sensor to a client as the data is collected, and one that alerts the client to a change in state. [Using the OGC definition for event, these could be handled by a single service.] There should also be a service that allows a client to find stored sensor data after the fact of its collection. | In this standard, subscription is not limited to event service. It is understood that subscription is a mechanism to implement certain functionalitites in a service. Other services, besides those proposed by this comment, may also need a subcription process. |
| OGC/14 | 6.4 | Table 9 | ed | What does "SDU" mean? | The abbreviation should be spelled out at least once. | Accepted. The table is revised. |
| OGC/15 | 6.2 | | te | The text says "The LG-SAP" is the logical interface between event service entity in the service layer and CIP entity in the application layer." The relationship between LG-SAP and EVENT-SAP is not clear. | Explain relationship | The text is corrected as "The LG-SAP is the logical interface between logical grouping service entity in the service layer and CIP entity in the application layer." |

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| OGC/16 | 6.3 | | te | The text says: "The SYNREG-SAP" is the logical interface between event service entity in the service layer and CIP entity in the application layer." The relationship between SYNREG-SAP and EVENT-SAP is not clear. | Explain relationship | The text is corrected as "The SYNREG-SAP is the logical interface between data synchronization and registration service entity in the service layer and CIP entity in the application layer." |
| OGC/17 | 6.4.2.3 | | te | Why is the result returned in SYNTimeRef parameter? That does not seem to exist. | Replace "SYNTimeRef" with "LevelVal" | Accepted. |
| OGC/18 | 6.5.1.3 | | te | It is not clear under which conditions an activation in RESERVATION mode would be triggered automatically at a later time. | Describe "RESERVATION" mode in more detail. | In NORMAL activation mode, activation process of node modules is executed immediately after a request is received successfully. In RESERVATION activation mode, activation process of node modules is executed on a reserved time instant specified by N2NACTModeData. A hardware timer in sensor node is used to trigger the reserved activation process. |

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