Smart City briefing for IEC TC100 AGS meeting

1. ISO/TC 268, Sustainable development in communities

Work items across the committee appear to be progressing without controversy. Two concerns were noted about the strategic position of ISO/TC 268:

- political alignment e.g. UN 2030/SDGs and Urban agenda for the EU
- standards alignment between the SDOs (ISO/IEC/ ITU)

Additional areas being discussed are:-

- pilot cities
- involvement of cities
- mirror committees might be the way to disseminate the strategic positioning
- how do we make cities active partners?
- agreement to use TC 268 as a demonstration of delivery of UN SDGs

2. ISO/IEC/JTC 1/WG 11, Smart cities

There has been some discussion about the delivery of WG11 work, its position in ISO/IEC/JTC1, the potential to form a subcommittee, and its strategy / roadmap. The convenor of WG11 has been asked to provide a white paper detailing the WG11 roadmap (expected in September 2018, preceded by consultation in WG11 and possibly JTC1 subcommittees).

It should be noted that PAS 183 on data sharing will not be put into WG11, but rather one of JTC1's established subcommittees, SC40. The intention is to fast-track its development, keeping the identifier consistent with PAS 182 becoming ISO/IEC 30182, i.e. PAS 183 will become ISO/IEC 30183.

ISO/IEC JTC 1/SC 27 *Information technology -- Security techniques* has a NWIP in its WG5 for Smart Cities, which will look at adapting existing privacy standards using PAS 183 as input.

3. IEC SyC Smart Cities

IEC SyC Smart Cities held a 1-day workshop, which looked at other projects outside of the IEC. WG2's status was noted as being in hiatus having completed a survey, but nothing further since. The working group is China driven and would benefit from the balance of European views, in particular providing definition of smart cities in economic terms (the benefit and its measurement).

IEC SyC Smart Cities is looking at an open forum model to create an expert community resource.

4. SDO alignment of IEC, ISO and ITU organisations

The annual conference in Barcelona agreed on the next steps as:-

- Share the World Smart City goals and Forum outcomes with cities' networks through our Members;
- Plan for meetings between our CEOs and key decision makers to confirm our joint commitment to supporting the smart cities market development (ex.: with the Vice President of the European Commission);
- Investigate the possibility of creating one joint IEC-ISO-ITU definition on smart city;
- Approve the development of the smart cities definitions presented by the joint IEC-ISO-ITU terminology group;
- Initiate standards mapping on smart cities;

5. CEN/CENELEC/ETSI Smart and Sustainable Cities and Communities Sector Forum

The forum has agreed terms of reference / principles for the activity of raising awareness and promoting standardization.

Recommendations included:

- Build new partnerships with the EU and EU-funded projects
- Attract Cities and Citizens
- Identify and address gaps
- Make sure standards are fit for purpose – the SF should consult cities
- European Smart Cities – European requirements – European Standards?
- Address the question of resources for small cities

6. ITU SG 20 IoT applications in smart cities and communities (SC&C).

SG20 develops international standards to enable the coordinated development of IoT technologies, including machine-to-machine communications and ubiquitous sensor networks. A central part of this study is the standardization of end-to-end architectures for IoT, and mechanisms for the interoperability of IoT applications and datasets employed by various vertically oriented industry sectors.

The deployment of IoT technologies is expected to connect an estimated 50 billion devices to the network by year 2020, impacting nearly every aspect of our daily lives. SG20 provides the specialized IoT standardization focus in this domain for ITU. SG20's standards leverage IoT technologies to address urban-development challenges

IoT is a key enabler of the Information Society and offers an opportunity to transform city infrastructure, benefiting from the efficiencies of intelligent buildings and transportation systems, and smart energy and water networks.

Dr Jacqui Taylor

Principal UK Expert Smart Cities and Artificial Intelligence