The ISO/TMB
Smart Cities
Strategic Advisory Group
(S_Cities SAG)

Chairman: Graham Colclough
Secretary: Francesco Dadaglio
ITU Forum: “Sustainable smart cities: from vision to reality”
13 October 2014
Quick overview of ISO

- ISO: **International Organization for Standardization**
- independent, non-governmental membership organization & developer of voluntary International Standards
- made up of **163 member countries** (national standards bodies around the world)
- **Central Secretariat** based in Geneva, Switzerland
ISO – A Global System

163 national members
98% of world GNI
97% of world population

Collection of 19,777 ISO Standards
1,103 standards produced in 2013

Over 649 organizations in liaison

Central Secretariat in Geneva
138 FTE staff from 19 Countries

229 active TG’s
3,483 technical bodies
4,518 documents under development

Vision & Strategy

Customer

Learning Growth

Financial

Internal Process
Technical Management Board (TMB)

• Technical work of ISO carried out under overall management of the Technical Management Board (TMB)
• TMB reports to ISO Council & its role is defined in the statutes of the organization
• It is responsible for:
  - setting up technical committees (TCs);
  - appointing TC chairs & monitoring progress of technical work;
  - responsible for the Directives - the rules for development of International Standards;
  - deals with strategic planning, coordination, performance & monitoring of technical committee activities.
Creation of Smart Cities SAG

- The final report of the Task Force to address smart city standardization recommended creation of an advisory group
- Group created in February 2014
- Leadership assigned to BSI (British Standards Institute) & ISO member
- Secretariat support provided by ISO Central Secretariat (ISO/CS)
Advisory Group mandate

- Clear working **definition** of ‘smart cities’
- Describe smart cities **landscape** & identify aspects most relevant to ISO
- Review **existing initiatives** and activities in ISO
- **Gap analysis** – areas for ISO work, and **collaboration** across standards bodies
- **Coordinate** ISO input and nomination of experts to IEC/SEG 1
A holistic approach

Priority - cooperate & avoid duplication of efforts

- Engage with Smart City groups:
  - IEC/SEG 1
  - ITU-T SG5 Focus Group on Smart Cities
  - ISO/IEC JTC 1/SG 1 on Smart Cities
  - CEN-CENELEC-ETSI Coordination Group ‘Smart and Sustainable Cities and Communities’ (SSCC-CG)
Advisory Group composition

- **Geos:** UK (3); US (3); DE (1); CH (2); FR (2); Japan (1); Korea (1);
- **Experience:** City (4); Industry (7); Academic (3)
- **Themes:** City Gen (10); Built Envrn’t (4+); Transport (2); Energy (2+); ICT (8); Security (2); Sustainability (1+)
- **Standardisation** (10)

14 experts
4 liaison reps
8 observers

Mix of:
- Sectors, professions & backgrounds
- Geographies
Recent & future activities

- Launch meeting in Geneva on 17 June 2014
- Second meeting in London on 1 September 2014
- Future meetings to be confirmed

Final report to TMB - September 2015
Smart cities & ISO committees

- TC 59/SC 17 Sustainability in buildings and civil engineering works
- TC 163 Thermal performance and energy use in the built environment
- TC 205 Building environment design
- TC 242 Energy management
- TC 268 Sustainable development in communities
- TC 268/SC 1 Smart community infrastructures
- JTC 1 Study Group on Smart Cities; etc.
TC 268 Sustainable development in communities &
TC 268/SC 1 Smart community infrastructures

ISO/TC 268
20 Participating countries
17 Observing countries

ISO/TC 268/SC 1
17 Participating countries
11 Observing countries
ISO committee on Information Technology held jointly with International Electrotechnical Commission (IEC):
ISO/IEC Joint Technical Committee 1 (JTC 1)

- 34 participating countries
- 29 sub-groups
- e.g. JTC 1 Study Group on Smart Cities
PUBLISHED STANDARDS & STANDARDS UNDER DEVELOPMENT

• ISO 37120 Sustainable development & resilience of communities - Indicators for city services & quality of life

• ISO/TR 37150 Smart community infrastructures - Review of existing activities relevant to metrics

• ISO 37101 Sustainable development & resilience of communities - Management systems - General principles & requirements

• ISO 37102 Sustainable development & resilience of communities – Vocabulary

• ISO/TR 37121 Inventory & review of existing indicators on sustainable development & resilience in cities

• ISO/TS 37151 Smart community infrastructure metrics - General principles & requirements

• ISO/TR 37152 Smart community infrastructures -- Common framework for development & operation
THANK YOU!