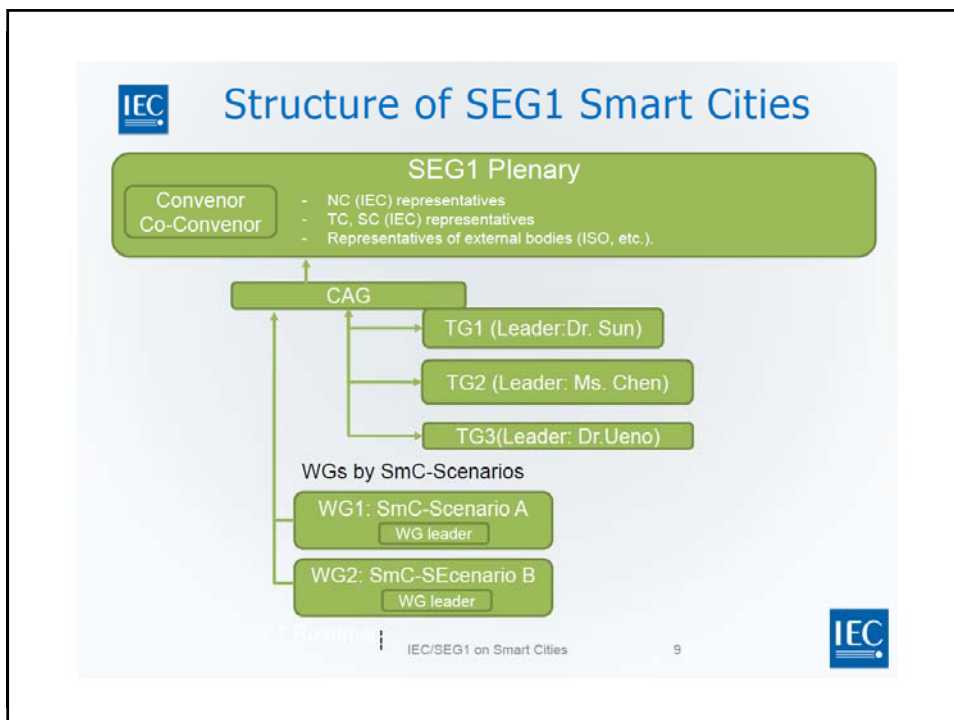# IEC SEG 1 Smart Cities
WG brief report

Tadashi Ezaki
TC 100 Secretary

IEC SEG 1 Smart Cities WG brief report

- IEC established three System Evaluation Groups (SEGs).
- SEG is a preparation group to establish a System Committee (SyC)
  - SEG 1: Smart Cities
  - SEG 2: Smart Grid (SyC Smart Energy has been established)
  - SEG 3: AAL (SyC AAL has been established)
- SEG 1 Smart Cities has organized seven WGs
  - WG1 – City Service Continuity
  - WG2 – Urban Planning and Simulation System
  - WG3 – City Facilities Management (CFM)
  - WG4 – Use Case – Smart Home << related to TC 100
  - WG5 – Use Case – Smart Education << related to TC 100
  - WG6 – Smart Cities Assessment
  - WG7 - Standards Development for Smart Cities using the City of Johannesburg, in a rapidly emerging country, as a piloting benchmark for Smart Cities implementation

Structure of SEG1 Smart Cities

SEG1 Plenary

Convenor
Co-Convenor

- NC (IEC) representatives
- TC, SC (IEC) representatives
- Representatives of external bodies (ISO, etc.).

CAG

TG1 (Leader:Dr. Sun)

TG2 (Leader: Ms. Chen)

TG3(Leader: Dr.Ueno)

WGs by SmC-Scenarios

WG1: SmC-Scenario A
WG leader

WG2: SmC-SEcenario B
WG leader

IEC/SEG1 on Smart Cities   9

SEG1-Task Groups

6.4.3 Work allocation   (See. ToR Clause 6.4)

- SEG1 has three SEG1-TGs and their works and leaders are shown in Fig.6.4.

	Works to be done	Leader
TG1	- Inventory of relevant existing standards - Survey and collection of existing and to-be-defined evaluation, metrics and Terms & Definitions - Survey of smart city strategies	CN
TG2	- Reference architecture - Generic use cases - Supplemental research	DE
TG3	- Roadmap - Mapping of closely related activities - Definition of terms to be shared in SEG	JP

16   IEC/SEG1 on Smart Cities   March 2014

Approved SEG1-WGs

7 SEG1 WGs are approved in the second SEG1 plenary meeting in February 2014

	Title of NWGP	Proposer / Leader
1	City Service Continuity	Mr. Aki
2	Urban planning and simulation system	Dr. Biyu WAN
3	City Facility Management (CFM)	Dr. Biyu WAN
4	Use Case Smart Home	Mr. Weihua ZHANG
5	Use Case Smart Education	Mr. Weihua ZHANG
6	Smart Cities Assessment	Ms. Yuan YUAN Ms. Tangli LIU
7	Standards development for smart cities using the City of Johannesburg- in a rapidly emerging country- as a piloting benchmark for smart cities implementation.	Mr Sicelo XULU

11   IEC/SEG1 on Smart Cities

- SEG 1 Smart Cities WG meetings were held from 3 to 6 June in Wanning, Hainan, China （中国 海南省 万寧市）

- WG meeting timetable

Tuesday 3 June: WG meetings

09:00 to 09:15	Convenor's welcome speech
09:15 to 09:30	Secretary's written report
09:30 – 12:00	WG2 - Urban planning & simulation system meeting *coffee @ 10:30
12:00 to 13:00	Lunch
13:00 to 14:30	WG3 - City Facilities Management meeting
14:30 to 16:30	WG4 meeting - Use Cases – Smart Home meeting *coffee @ 15:15
16:30 to 18:00	WG5 - Use Cases – Smart Education meeting
18:00 to 20:00	Welcome dinner (tbd)

Wednesday 4 June: WG meetings

09:00 to 10:30	WG6 - Smart Cities Assessment meeting
10:30 to 11:00	Coffee break
11:00 – 12:30	WG7 – City of Johannesburg, pilot benchmark meeting (tbc by convenor)
12:30 to 13:30	Lunch
13:30 to 18:00	WG1 meeting *coffee

Thursday 5 June: TG meetings

09:00 to 09:10	Convenors remarks
09:10 to 10:40	TG1 meeting
10:40 – 11:00	Coffee break
11:00 to 12:00	TG2 meeting
12:00 to 13:00	Lunch
13:00 to 16:00	TG2 meeting *coffee @ 14:30
16:00 to 17:30	TG3 Report Framework discussion (if necessary)

Friday 6 June: Pilot Smart Cities Communication

09:00 to 09:10	Convenor's welcome (opening) speech
09:10 to 09:40	Wanning government officer's presentation and discussion
09:40 – 10:10	Wanning Smart cities planning report and discussion
10:10 to 10:40	Other report (title TBD) and discussion
10:40 to 11:10	Coffee break
11:10 to 12:00	Johannesburg, South Africa report
12:00 to 13:00	Lunch
13:00 to 16:00	Technical visit, all are welcomed to attend.

5

- Summary of the meeting
  - Very beginning stage of discussion
  - Wide range of discussion including City Planning
  - "City planning using Big Data"
  - Relationship among the other SDOs, especially ISO, ITU, JTC 1
  - Smart home: presentations of current activity from China, Korea
  - Smart education: Professor of East China Normal University
    What is "Smart Education" ?
    What is different from "Digital Education" ?
  - TC 100 activities introduction
  - ➢ WGs will discuss and provide information for possible NPs
  - ➢ TGs (Task Groups) will summarize: (toward final report in 2015-02)
    - Inventory of current standards
    - Reference architecture and Generic use cases
    - Road map

- Two web meetings of WG 4 and WG 5
  - Not attended because of summer holidays and conflict with another meeting
- Questionnaire from TG 1
  - Submitted TC 100 response as an expert of WG 4 and 5 on 2014-07-16 (Annex A)
- Request of submitting use-cases for WG 4 and WG 5
  - Submitted TC 100 response based on a smart home trial conducted by JEITA (Annex B)
- SEG 1 Smart Cities Plenary and WGs meeting (2014-09 Atlanta)
  - Not attended
  - TGs and WGs will prepare their reports toward the SEG 1 final report by 2015-06

Thanks