

Sensing and data collection system for city infrastructure

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Agenda

- Basic city infrastructure
- SDCS Definition
- SDCS Relation
- SDCS Functionality

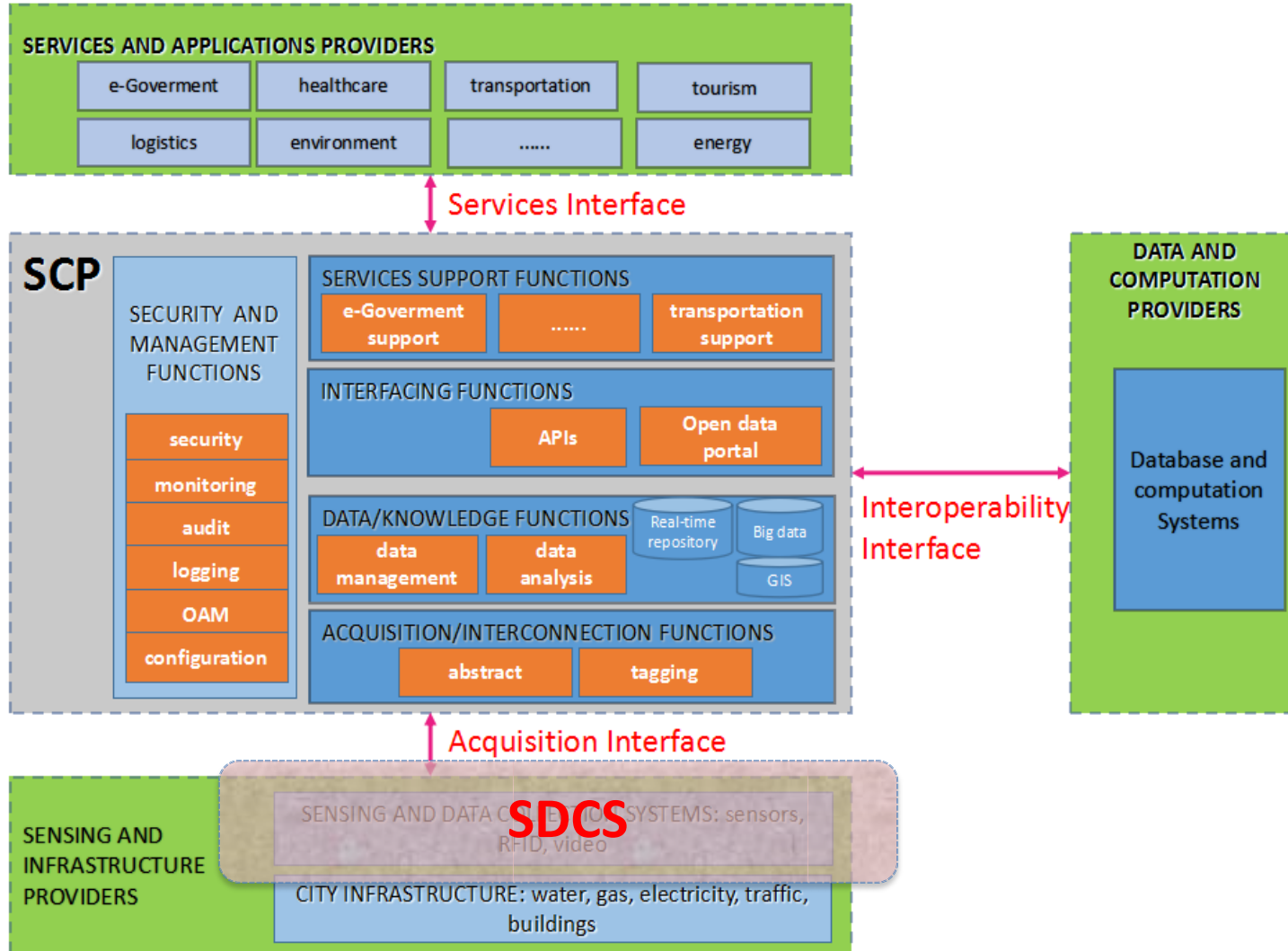
Basic infrastructures for SSC

- Energy infrastructure
- Water supply and drainage infrastructure
- Transportation infrastructure
- Post and Communication infrastructure
- Disaster prevention infrastructure
- Cultural, sports and educational infrastructure
- Health infrastructure
- Social welfare infrastructure

Definition

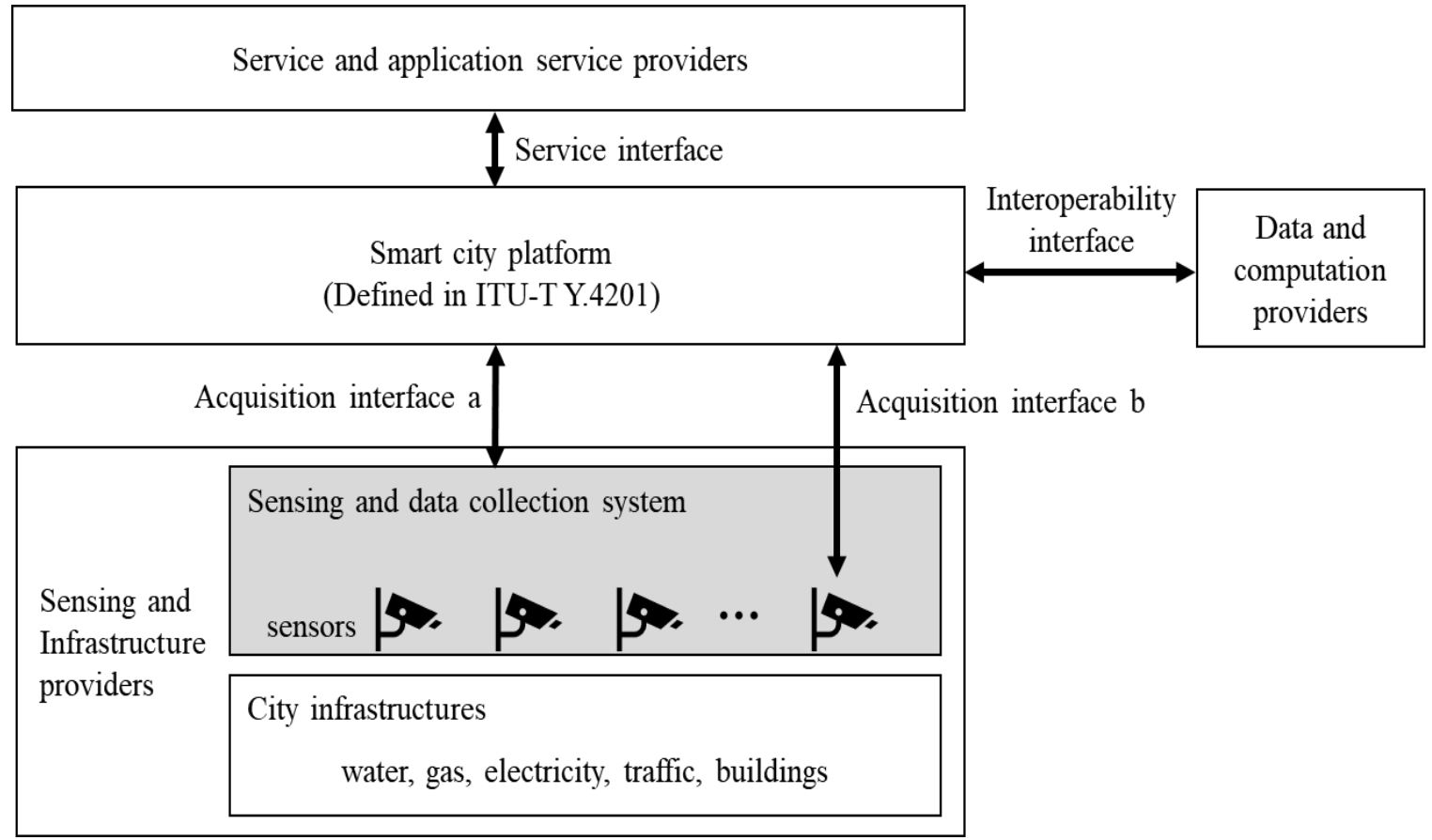
Sensing and data collection system (SDCS)

A system that monitors the status and collects information of different kind of city infrastructures, control and manage the sensing devices attached to those city infrastructure and provide corresponding information to SCP



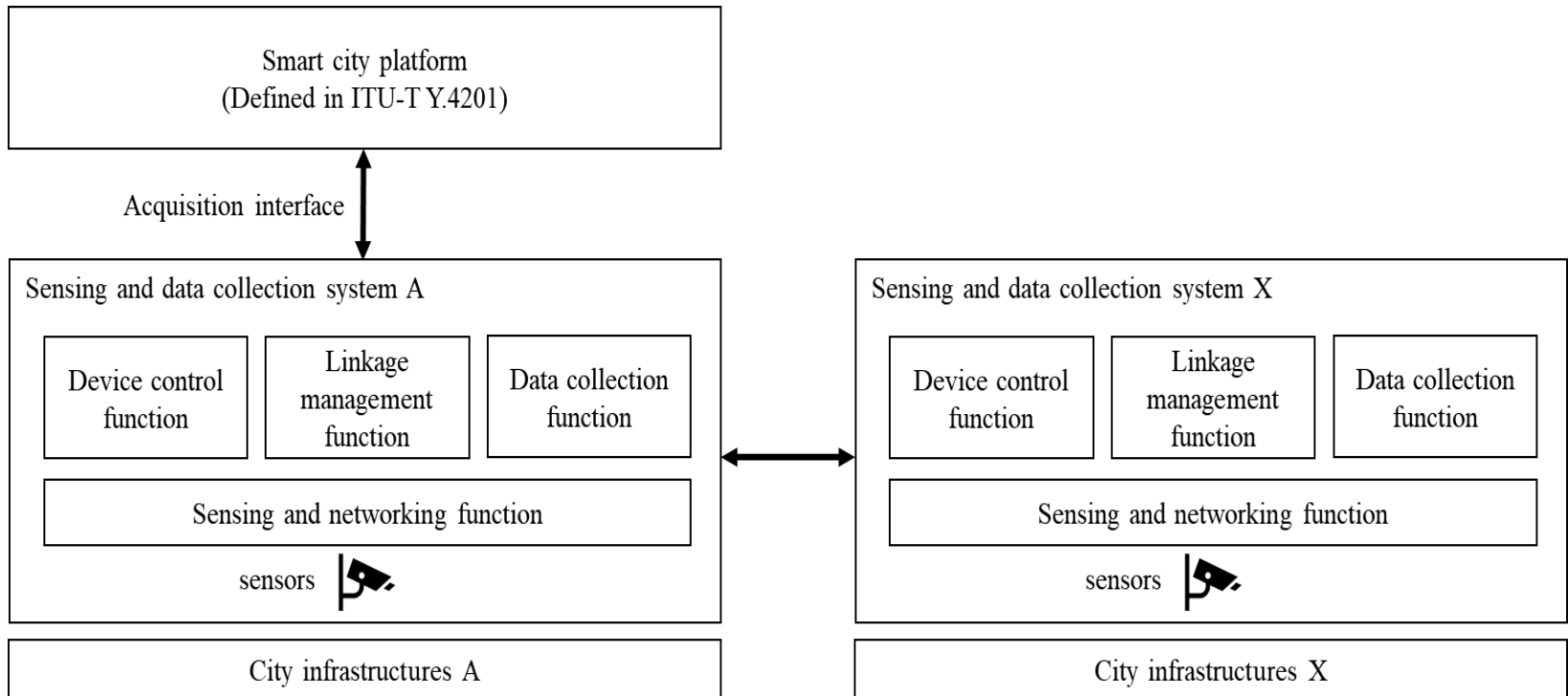
Relation

- Smart city platform is defined in Y.4201
- Acquisition interface is defined in Y.4200
- Sensing and data collection system is defined in Y.infra



Functionality

- Device control
- Linkage management
- Data collection
- Sensing and networking



Thank you for your attention.

More information

ITU-T Study Group 20 website

<https://www.itu.int/en/ITU-T/studygroups/2017-2020/20/Pages/default.aspx>