

9th Green Standards Week
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Connecting the world, together.



Setting the standard

Session 2: How international standards can help cities to become smarter and more sustainable to achieve the SDGs

Smart City Platform and Its Implementation

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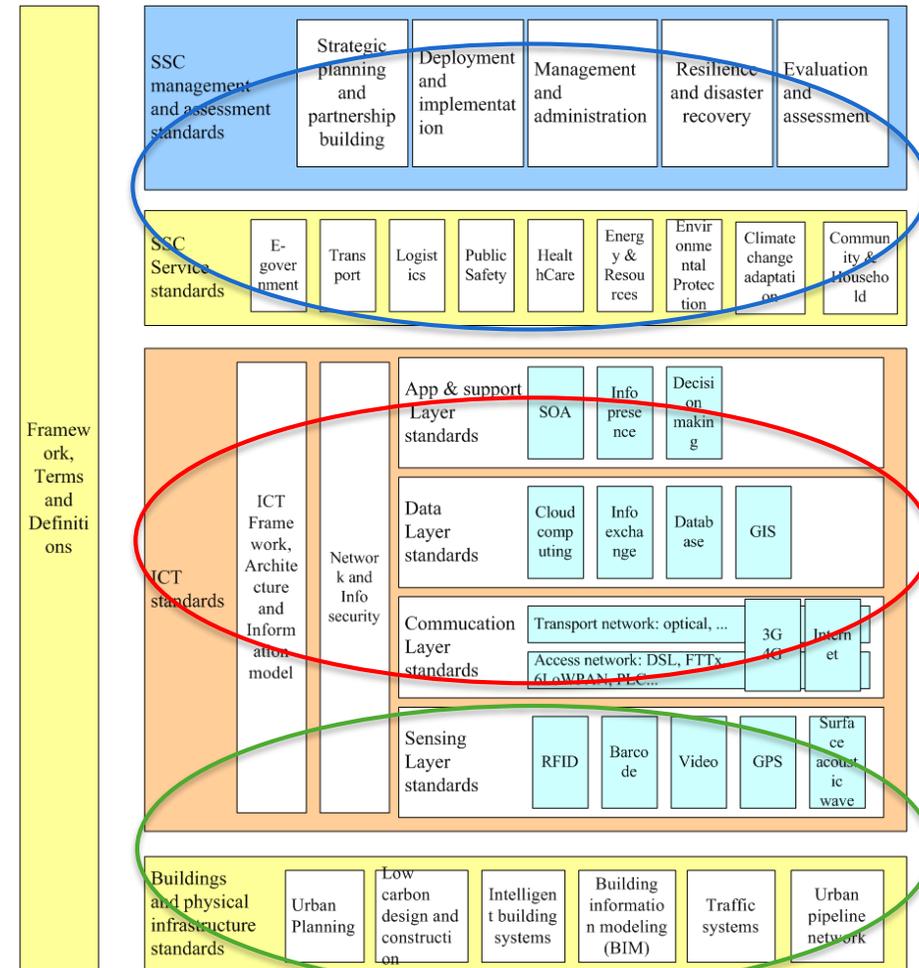
Setting the standard

Position of Smart City platform: in the perspective of ICT and IoT standards

Framework of standards for SSC

- SSC management and assessment
- SSC services
- ICT
- buildings and physical infrastructure

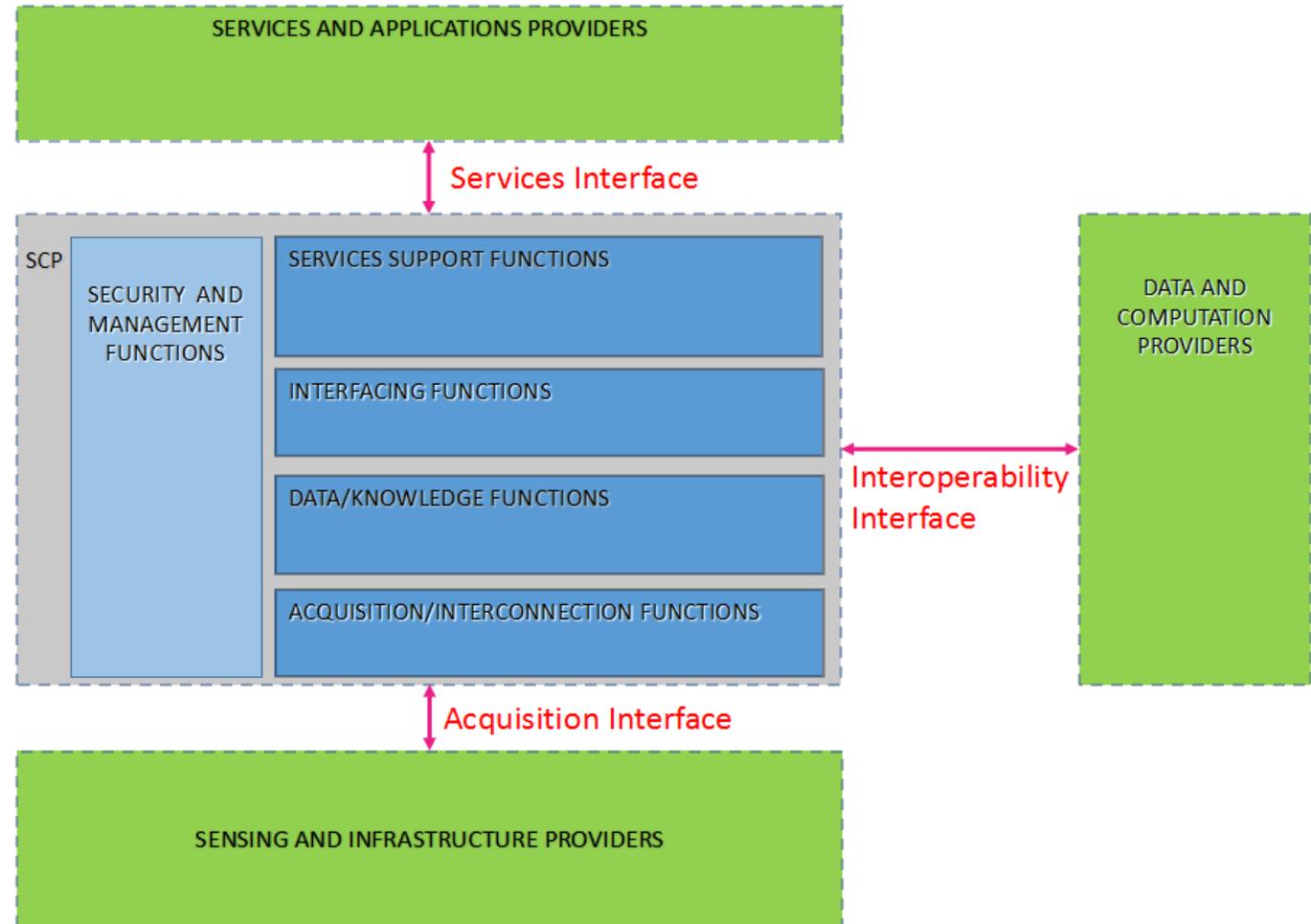
Source: ITU-T FG-SSC report, Technical report on standardization roadmap for smart sustainable cities





ITU-T RECOMMENDATIONS Y.4200/4201: mapping to the “CORE” of SSC architecture

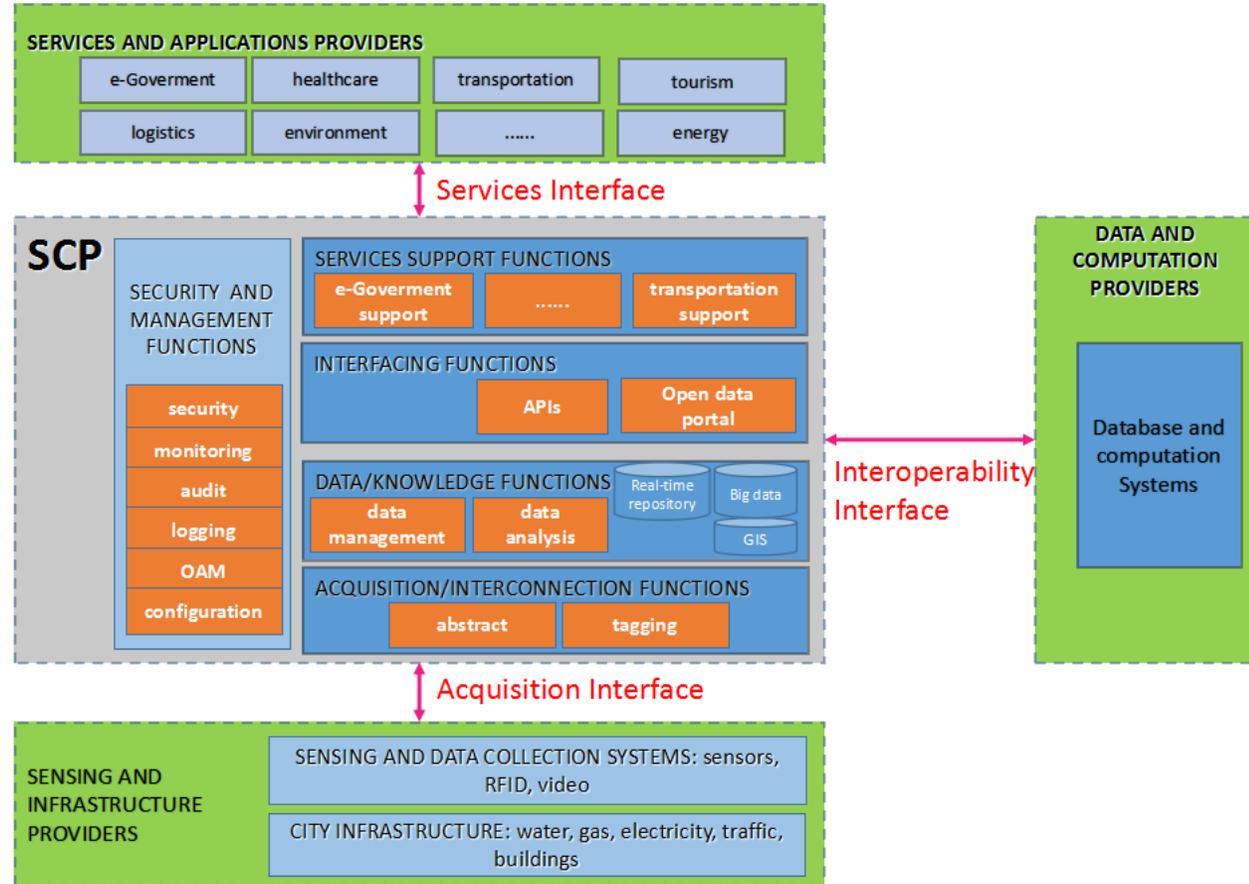
- Y.4201 High-level requirements and reference **framework** of smart city platform
- Y.4200 Requirements for the **interoperability** of smart city platforms





Functionalities of smart city platform: defined in ITU-T Y.4201

- Services support functions
- Interfacing functions
- Data/knowledge functions
- Acquisition/interconnecting functions
- Security and management functions





Implementation: The Sharing Application Platform for Government Information System, Hubei, China

Sharing Application Platform of Government information system:

- Implemented in 2015
- over 700 digital government applications from over 70 government departments running on this platform
- Areas: medical health, public transportation, extreme weather events monitoring, disaster management, education system, along with other public services

Next step:

- Connecting country-level platform
- Connecting 17 prefecture-level municipal governments and 63 county-level governments platforms in Hubei province



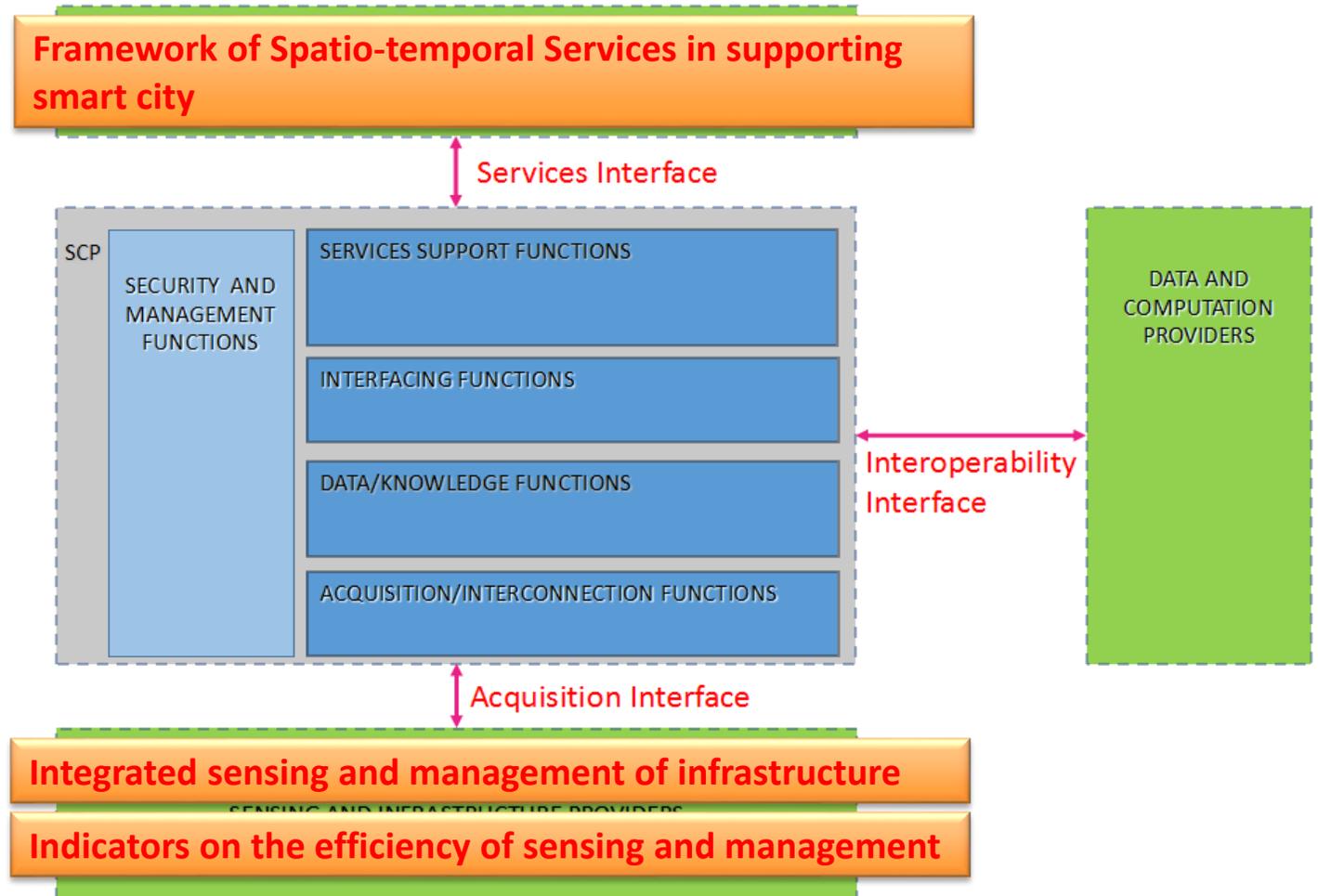
The platform is running by ChuTianYun Inc., a member company of Fiberhome Group.



Near future consideration of ITU-T Y.4200 series

New work items
(Consistent with Y.4200 series):

- Sensing and infrastructure
- Services and applications





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Thanks for your attention!

more information:

<http://itu.int/go/tsg20>

<http://www.itu.int/en/ITU-T/ssc>

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