Facilitating Smart Cities evolution in India

SATRC Web-Dialogue
30 October 2024

Presented by
Shri Abdul Kayum, Advisor TRAI

Focal areas

1. Spaces for Infrastructure augmentation
2. Liberalised Resource Management
3. Promoting Inclusivity and Equitable Access
4. Sustainability

Spaces for Infrastructure augmentation

1. Integrated Online portal for Right-of-Way (RoW) permissions
2. Use of Street Furniture and Common ducts approved
3. Sharing of passive and active elements
4. Telecom equipments installed exempted from property-tax
5. Common Telecom Infrastructure (CTI) included in the National Building Code.

Liberalised Resource Management

1

Fastest 5G deployment by ensuring enough spectrum availability. Efficiency gain through harmonization and re-farming

2

Regulatory Sandbox 100 labs for 5G use-cases

3

IoT/M2M Authorisation Rules: e-SIM interoperability, spectrum availability (un-licensed & un-licensed bands)

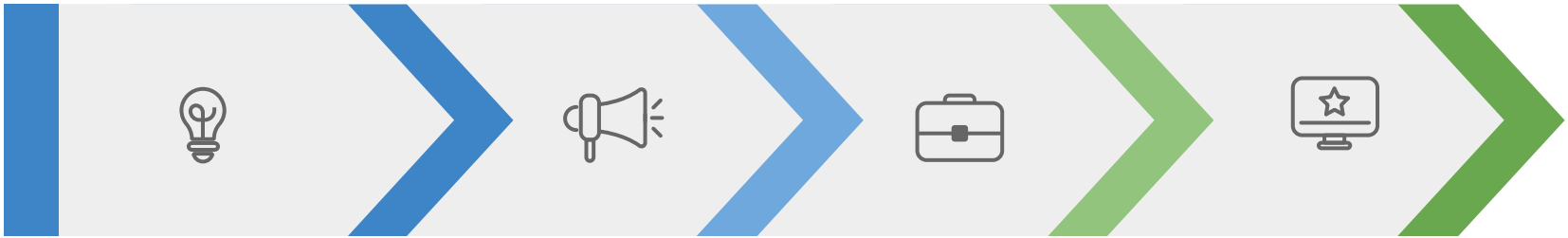
4

Dedicated spectrum resources for *on-the- move* communications
e.g. metro / tube trains

5

Digital Connectivity Infrastructure Provider (DCIP) Authorization for fast –expansion of underlying infrastructure

Promoting Inclusivity and Equitable Access +Sustainability



GIS-mapping

Continuous GIS mapping of telecom assets and other public assets

Smart-poles

Multi-functional Smart poles (public wi-fi, IP-camera, light post, charging point) at dense public places

Indigenous Manufacturing

Including multi-band Antennae, Small Cells, Base Stations etc. on the rise

Circular Economy

Open Access to Green Power, Right to Repair & Waste mgmt. for Circular economy

Thank you