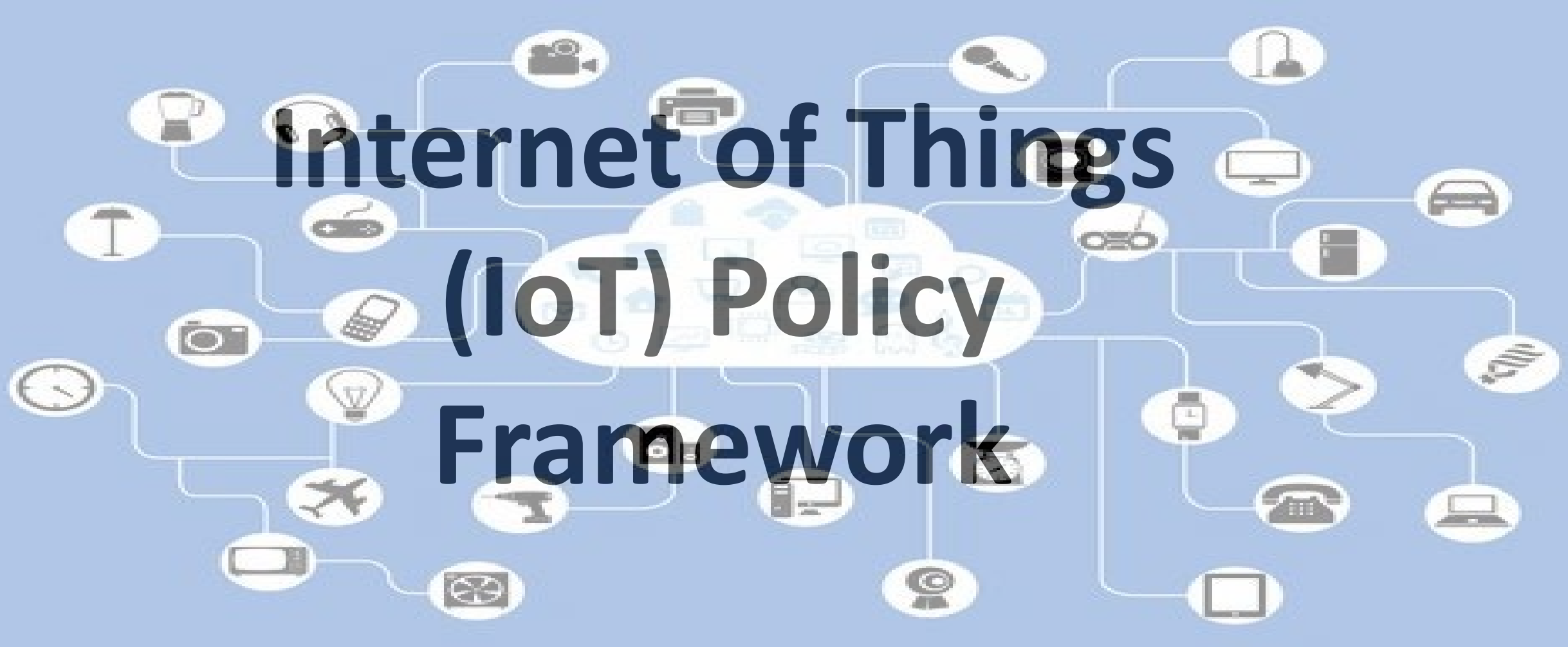

Internet of Things (IoT) Policy Framework

Rajnish Hawabhay
Chief Technical Officer
Ministry of Technology, Communication and Innovation
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IoT – Background

- Gartner forecasts that 20 billion connected things will be in use worldwide by 2020
  - Excluding traditional computing devices (e.g. smartphones, tablets, etc.)

Objectives of the IoT Framework

- Provide guiding policy directions to stakeholders for the promotion, development and use of IoT technologies
- Develop IoT services which can be used by the public and private sector
- Build competencies in the field of IoT

Objectives of the Policy Framework

- Set up the relevant platforms and Infrastructure to support the development of IoT applications
- Conduct IoT sensitisation programme to enhance the take-up of IoT applications and services

Key Challenges (I)

- Create Awareness and enhance technological knowhow in the field of IoT
- Turn up adoption and use of IoT applications
- Address security and privacy concerns
- Create awareness regarding standards for IoT technology
- Ensure coherence in the efforts of stakeholders in the field of IoT

Key Challenges (II)

- Provide funding to promote research and adoption of IoT
- Operate in a environment where there is weak culture of research
- Create linkages between research institutions and industry
- Legacy IoT devices

IoT Ecosystem

Action items under the Policy Framework (I)

- Setup an IoT Forum for coordinating the efforts of stakeholders
- Setup an IoT resource portal
- Run Awareness and Capacity building programmes
- Identify and implement Flagship projects as showcase for IoT
- Setup funding schemes

Action items under the Policy Framework (II)

- Allocate IoT frequency spectrum
- Address interoperability of legacy devices instead of replacing all existing infrastructure
- Set up intelligent gateway solutions to connect legacy systems - common interfaces between devices and the cloud

Action items under the Policy Framework (III)

- Promote IoT solutions based on an open architecture
  - Scalable (+ support technology evolutions)
  - interoperable
  - reusable
- Privacy and security are at the centre of IoT ecosystem – privacy by design


THANK YOU