



# **SPECTRUM MANAGEMENT ISSUES FOR CARIBBEAN INTERNET OF THINGS DEPLOYMENT**

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# AGENDA

- ❑ Satellite Communications and Internet of Things (IoTs)
- ❑ International Mobile Telecommunications (IMT) and Internet of Things (IoTs)
- ❑ Short Range Radiocommunications Devices (SRDs)
- ❑ A Road Map for Development
- ❑ Questions and Answers

# Satellite Communications and IoTs

## Satellite Systems in Barbados:

### Currently:

- ✓ VSAT System Deployment still in place for Commercial use.
- ✓ Intelsat Satellite Systems – Earth /Ground Stations decommissioned?
- ✓ Undersea Fiber Links

### Very Near Future:

- ✓ Deployment of VSATs and Intelsat Satellite Systems – IMT 5G systems.
- ✓ Spectrum Allocation/Assignment Studies
- ✓ ITU-R Study Group 4 –Satellite services
- ✓ ITU-R Study Group 5–Terrestrial services

# International Mobile Telecommunications (IMT) & IoTs

## Service Providers (3) in Barbados:

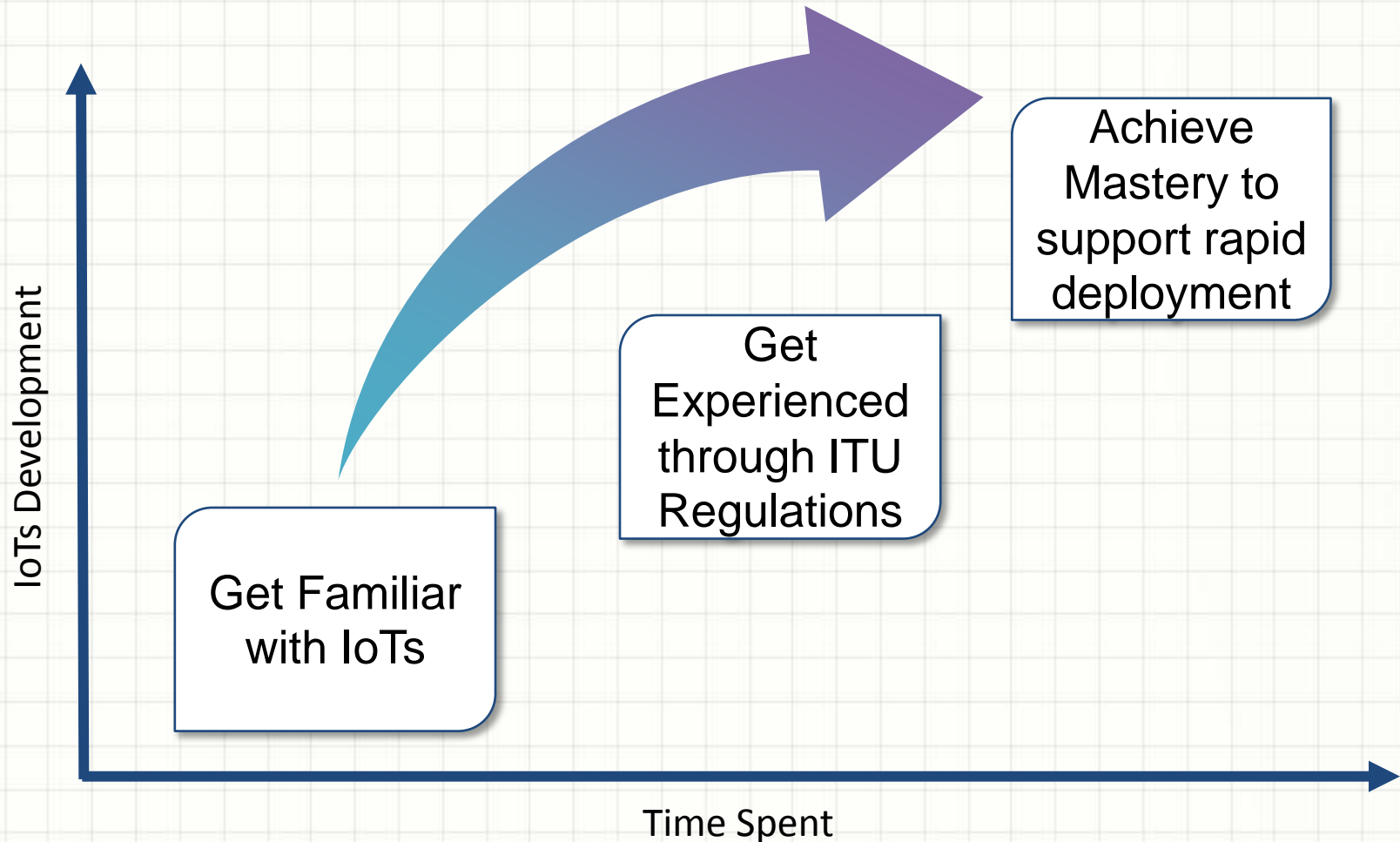
- ❑ Currently are using 2G, 3G, 4G
- ❑ Spectrum (Assigned/Allocated for Assignment) – 4G LTE
- ❑ IoTs in market:
  - ❑ Smart TV,
  - ❑ Smart Cameras,
  - ❑ Smart Door Bells,
  - ❑ Health/Sports Monitors,
  - ❑ Power Monitors
- ❑ Standards for Adherence
  - ❑ Device Type Approvals a Spectrum requirement prior to deployment
- ❑ ITU-R Study Group 5–Terrestrial services




# Short Range Radiocommunications Devices (SRD)

- ❑ **Type Approvals for Short Range Radiocommunications Devices (SRD)**
  - ✓ **Facilitate applications for Device Type Approvals**
  - ✓ **Review Individual Applications for Compliance with International Standards**
  - ✓ **Resource Requirements for Testing Labs currently too costly.**
  - ✓ **ITU-R Study Group 1 –Spectrum Management**

# A Road Map for Development





# Questions & Answers



**Thank You All**