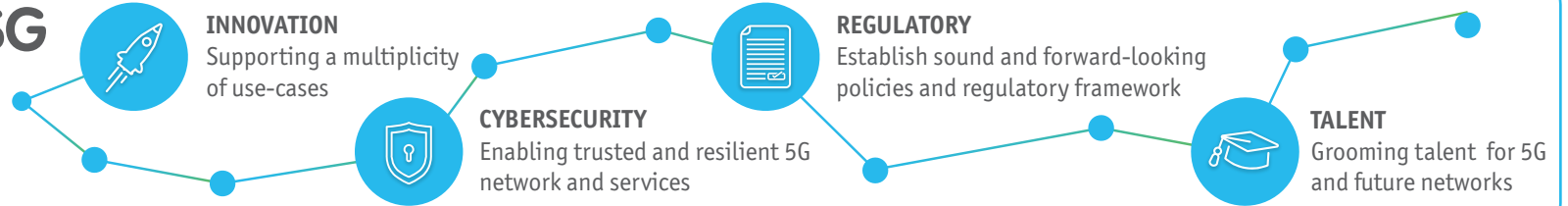


# 5GSG : Enabler for the next wave of growth in the digital economy

**SG:D**  
EMPOWERING POSSIBILITIES

**IM** INFOCOMM  
MEDIA  
DEVELOPMENT  
AUTHORITY

## PRIMING THE 5GSG ECOSYSTEM IN 4 FOCUS AREAS



## 5GSG: AIMS TO BE A GLOBAL FRONT-RUNNER FOR INNOVATION IN SECURE AND RESILIENT 5G APPLICATIONS AND SERVICES

### WHAT IS 5G?

- Increase in peak data speed of **up to 20Gbps**
- Support up to **1 million** devices per km<sup>2</sup> to support IoT
- Network Slicing** for provisioning customized services
- Improvement in latency to **1 millisecond**

### MILESTONES

Full fledged 5G stand alone (SA) capability covering at least half of Singapore by end 2022

Among the first wave of countries to roll out **SA 5G NETWORKS**

2019	MARCH	MAY	JUNE	OCTOBER
	IMDA-PSA opened 5G Trial Tech Call for Ports	2 <sup>nd</sup> Public Consultation	\$40M grant announced for 5G innovation	Launch of Call for Proposal
2020	Singapore is on track to commence 5G deployment			

**\$40M**  
to kickstart trials  
6 CLUSTERS AS A START

Trials expected to be progressively conducted  
**FROM 4Q 2019**

<b>SMART ESTATES</b> <ul style="list-style-type: none"> <li>Predictive Maintenance</li> <li>Smart Traffic Monitoring</li> <li>Energy Management</li> </ul> <p>e.g. <b>CapitaLand, TPG Telecom and Navinfo Datatech</b> 5G CV2X for Smart Estates</p>	<b>INDUSTRY 4.0</b> <ul style="list-style-type: none"> <li>Internet of Things (IoT)</li> <li>Artificial Intelligence</li> <li>Robotics</li> </ul> <p>e.g. <b>ARTC, Singtel and JTC</b> 5G Industry 4.0 technologies</p>	<b>URBAN MOBILITY</b> <ul style="list-style-type: none"> <li>Autonomous Vehicles</li> <li>Advanced Parking</li> </ul> <p>e.g. <b>M1 and Nanyang Technological University</b> 5G CV2X Research and Testbed</p>	<b>MARITIME OPERATIONS</b> <ul style="list-style-type: none"> <li>AGV</li> <li>Drone</li> </ul> <p>e.g. <b>Singtel, M1 and PSA</b> 5G technologies Maritime</p>	<b>CONSUMER APPLICATIONS</b> <ul style="list-style-type: none"> <li>AR/VR</li> <li>Streaming</li> </ul> <p>e.g. <b>Razer and Singtel</b> 5G Cloud Gaming</p>	<b>GOVERNMENT APPLICATIONS</b> <p><a href="http://www.imda.gov.sg">www.imda.gov.sg</a></p> <p> /IMDAsg</p> <p><b>#SGDIGITAL</b></p>
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