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Disruptive Technologies – a Whole New World

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A nighttime photograph of a city skyline, likely Singapore, with numerous skyscrapers illuminated against a dark blue sky. The lights from the buildings reflect on the water in the foreground. A large, semi-circular red shape is overlaid on the right side of the image, containing the title and speaker information.

Disruptive Technologies – A Whole New World

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3 August 2015



**IMAGINE A FUTURE - HOW WE LIVE, WORK AND
PLAY HAS CHANGED**

▼ **Connected Communities** enable better delivery of municipal services

▼ **Home concierge** makes life easier

▼ **Smart commuting** with sensing and real-time traffic data

▼ **The start of a comfortable day** with personalized route planning

▼ **Efficient and Collaborative work** eco-system

▼ **Connected Schools** for borderless and collaborative learning

▼ **Health Monitoring** that facilitates Elder Care services

SMART HOMES

TRANSPORTATION

EDUCATION

HEALTHCARE

SMART AND SAFE CITY

New mobile services and technologies will make this possible

1

Continuous Service Innovation

Real-time and contextual services for consumers

2

Smart Systems

Advanced analytics using real-time sensory data

3

Internet of Things

Low-power, long battery life, low data rate with LTE-M

4

5G and beyond

1 Gbps, fibre broadband-type speeds to support new, yet-to-be-discovered services

Considerations for policymakers & regulators in a whole new world

1

Greater collaboration between operators, regulators and government agencies

- Mobile technologies now affect not only the infocomm sector but also other vertical industries
- Manage scarce spectrum resources

2

Proliferation of digital services and applications

- Regulation needed to ensure consumer interests are protected
- Policy for non-telco service providers

3

Expanded role of regulators in supporting start-ups and innovation

Develop industry while gaining a first-hand understanding of future disruptive technologies



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