The Internet Future is Broadband

- Broadband is critical for soci-economic development
- Internet Users demand high bandwidth (e.g. telecommuting, HD TV, Multimedia sharing, … etc)
- Machine to Machine and Internet of Things
- Development of a Knowledge economy, diversification and DP growth
- Last mile fiber deployment is key to provide high broadband capacity
Open Access Networks

- **The issue:**
  - Incumbent operator(s) control over the passive telecom infrastructure (Ducts network)

- **Open Access:** Third parties to use an existing network infrastructure

- **Open Access to passive infrastructure will:**
  - Expedite Broadband rollout
  - Promote choice for consumers
  - Addressing Infrastructure Bottlenecks

- **Open Access (Fixed Networks):**
  - Access to Local loop
  - Wholesale services (e.g. bitstream)
  - Dark fibre
  - Access to Ducts
  - Access to in-building wiring

- **Open Access (Mobile Networks):**
  - Mobile Virtual Network Operator
Regulatory Issues and Focus

Regulatory focus:

- Ensure access on fair, reasonable and non-discriminatory terms
- Promoting infrastructure
- Infrastructure cost sharing
- Avoid Exclusive Agreements (Operators and Owners/Developers)

Options and Models:

- Technical Options (Network infrastructure sharing, ducts, fiber, …etc)
- Government/Private Partnership (Australia, Qatar, Oman, Malaysia, Singapore)
  NBNs Fibre Deployment (Core to Customer access Networks)
- Improve investment incentives for network operators (Europe)
- Hybrid Gov. Funding (Low Interest, Long Term) and Private Funding (Africa)
Regulatory Issues and Disputes

- **New Entrants Rollout:**
  - Efficient, easy, a quick Right of Way (ROA)
  - Access and Sharing Regime

- **Access/Sharing to Ducts and Associated Civil Infrastructure**
  “Technical Standards for Fixed Infrastructure Rollout”

- **Access/Sharing of Telecom Infrastructure in Mega Projects and Developments**
  - Exclusive Agreements Vs Open Access
  - Developers Access Obligations
  - In-Building wiring enforcement (Building permit process)

- **Lack of Clear Rules and Responsibilities**
  - Road Opening and Right of Way
  - Obligation of Real Estate owners/developers
  - Building Permit process
Way Forward

- **Infrastructure Readiness**  
  (in-building wiring, Ducts infrastructure)

- **Passive Infrastructure Development**  
  (e.g. Ducts) in a Public/Private Partnership

- **Technical Standards and Guidelines**  
  for Access and Sharing of Passive Infrastructure
Thank You

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