

TM is the Industry  
Regulator.

Is that what you think?  
Then, think again!

Debunking the Telco Myths.

# This Workshop.

- 1946: Telecommunications Department of Malaya
- 1968: Jabatan Telekom Malaysia (JTM)
- 1987: JTM split:
  - JTM - The Regulator
  - Syarikat Telekom Malaysia Berhad (STMB) - The Corporatised Business Entity

# History.

- 1946: Telecommunications Department of Malaya
- 1968: Jabatan Telekom Malaysia (JTM)
- 1987: JTM split:
  - JTM - The Regulator
  - Syarikat Telekom Malaysia Berhad (STMB) - The Corporatised Business Entity

# More History.

- 1991: STMB re-branded into TM (Telekom Malaysia)
- 1998: Communications & Multimedia Act 1998
- 1998: MCMC/SKMM established
- 1999: JTM disbanded
  - MCMC/SKMM the de facto Industry Regulator

# Licensing Regime.

- Since 1998:
  - Network Facilities Provider (NFP)
  - Network Services Provider (NSP)
  - Content Application Services Provider (CASP)
  - Application Services Provider (ASP)

# So many NFPs/NSPs.

- So many peers
  - Backhaul: Time Telekom, TM, Fibrecomm, Fibrerail etc
  - Fixed Lines: TM, Maxis, DiGi etc
  - Cellular: Celcom, Maxis, DiGi, U-Mobile
  - Wireless Data: YTL, P1, RedTone

# Telecom Myths.

- Development plans must get TM approval. TRUE or FALSE?
- SKMM only recommends TM. TRUE or FALSE?
- Build your telecoms infra at your own costs. Then surrender them to TM, just like surrendering TNB sub-stations to TNB. TRUE or FALSE?

# More Telecom Myths.

- When your consultant says... Fibre is more expensive than copper.
- When your contractor says... You must do copper, there is no fibre-optics network in Penang yet, if not, no phone lines.
- When SKMM says... You must refer to TM.



# Anymore copper?

- The answer is...
  - Backhaul is now more in fibre-optics
  - Wireless has more fibre for backhaul
  - Fibre is getting into more homes & premises
  - Fiberised Premises: 100Mbps is a must, is a base

# Follow the guidelines.

- Under CMA 1998: Malaysian Technical Standards Forum:
  - Guidelines on Next Generation Network (NGN) Realisation [ Adopted as Malaysian Standard 1903:2006 ]
  - Technical Standards of In-Building Fibre Cabling for Fibre-to-the-Premises (2010)

# Follow the guidelines.

- Under The Surveying and Mapping Department (JUPEM):
  - Standard Guidelines for Underground Utility Mapping (2006)
  - Garis Panduan Ukuran Pemasangan Utiliti (2007)

# Follow the guidelines.

- PDC Telco:
  - Sole Implementer of Telecommunications Common Trenching System in Penang, for CMI and authorised by State Government
  - SOP for Trenching Procedure (Work Permits issued by PBT & JKR)
  - Builder of State-wide NGN (Ducts, Dark Fibre, bandwidth)
  - Manager of Underground Utility Database, hosted on the Cloud

# Follow the world demand.

- What investors want:
  - Fibre Network Coverage
  - Quality of service, carrier-grade, low latency
  - Network redundancy with feeds from different service providers
  - Fibre-to-the-Premises solutions

# The Building blocks.

- The 360-degree Approach:
  - Centre of Excellence for NGN & FTTH
  - Training & Certification for NGN/FTTH Contractors & Personnel
  - Certification for NGN/FTTH equipment & facilities
  - Emblem System - the Star-Ranking for Fibre-ready buildings

# Global Partnership

- PDC Telco in collaboration with...
  - MY.Neu.Trans (NFP/NSP, Neutral Player)
  - FTTH Council Asia Pacific
  - FTTH-APAC Partners eg Sumitomo Electric, Fujikura, Senko etc

Do you still think...  
TM is the Regulator  
for your telecoms?

Duh!