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Oman National Broadband Strategy

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Agenda

- Sultanate of Oman
- NBS vision
- Strategy Components
 - Objectives & Pillars
- Adopted FTTH model
- Challenges
 - Regulatory Challenges
 - Technical Challenges
 - Implementation Challenges
 - Other challenges

Sultanate of Oman



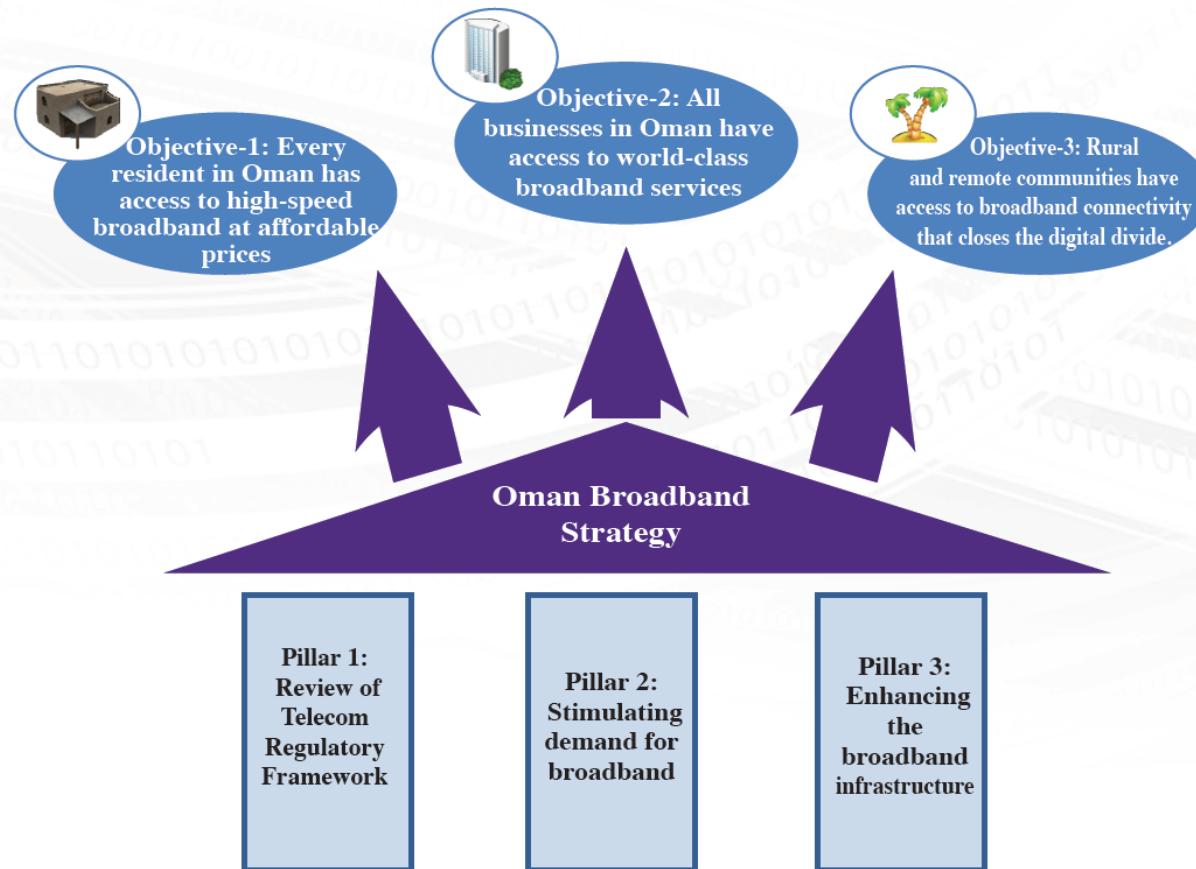
- Capital: Muscat
- Official languages: Arabic
- Area: 309,500 km²
- Population: 4,748,417
- GDP (2016)
 - Total: \$66.29 billion
 - Per capita: \$14,982.36
- Currency: Rial (OMR)
- Time zone: UTC+4
- Internet TLD: .om , عمان.

Oman National Broadband Strategy (NBS)

Vision

To drive national social and economic benefits through the provision of broadband to all people and businesses in Oman.

Strategy Components



Pillar1: Review of the telecom regulatory framework

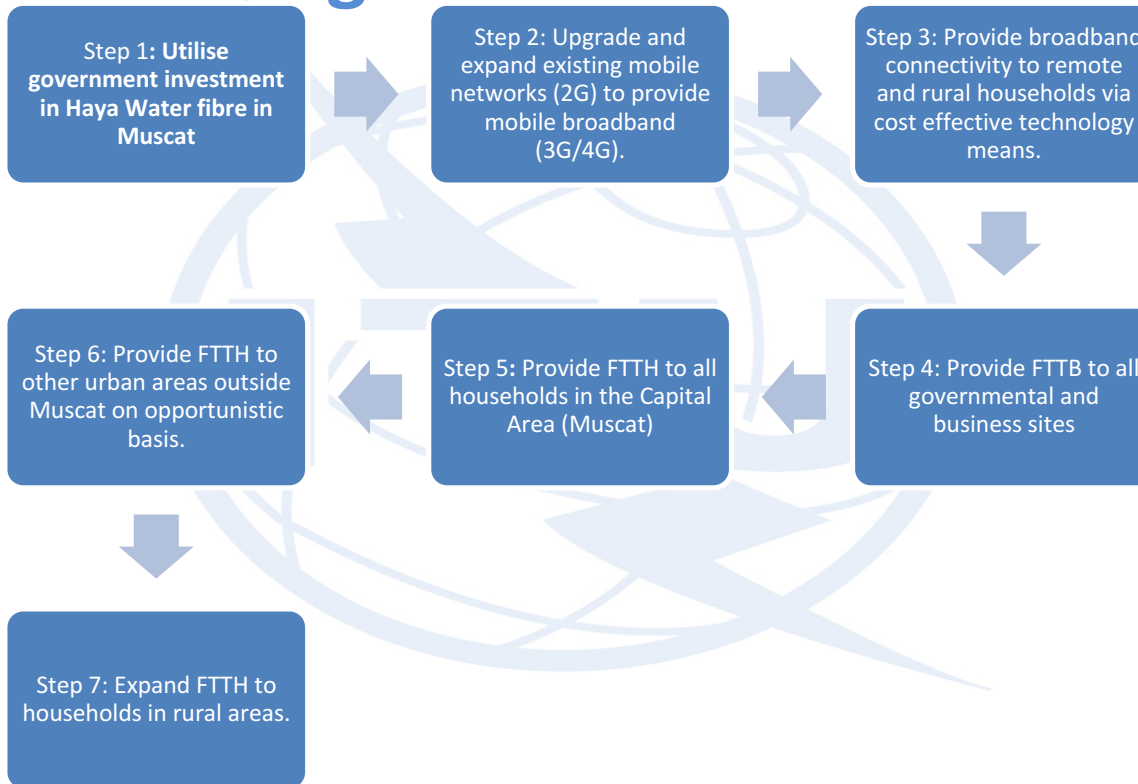
- This component aims to review **policies and regulation** associated to the provision of broadband services. This includes a range of initiatives, such as:
 - Reform **licensing** arrangements to adjust to new market structure, ease the market entry and increase competition.
 - Regulate introduction and provision of **wholesale fixed broadband** services.
 - Regulate the fiber deployment and other services in **infrastructure** projects.
 - Regulate the specifications for **wiring provision** in new buildings to support broadband.

Pillar2: Stimulating the demand for broadband

- This component aims to create programs and initiatives to **increase the demand** for broadband through integration with other sectors' plans under the umbrella of the national vision 2020, such as the Oman Digital Society and E-Government strategy.
- This includes a range of initiatives, such as:
 - Increase digital literacy to make use of broadband internet.
 - Making broadband Internet more relevant to the lives of many Omanis through initiatives related to content, social media and e-services.
 - Enhance the security awareness of broadband internet.
 - Supporting secure online payment system for Oman.

Pillar3: Enhancing the Broadband Infrastructure

2014

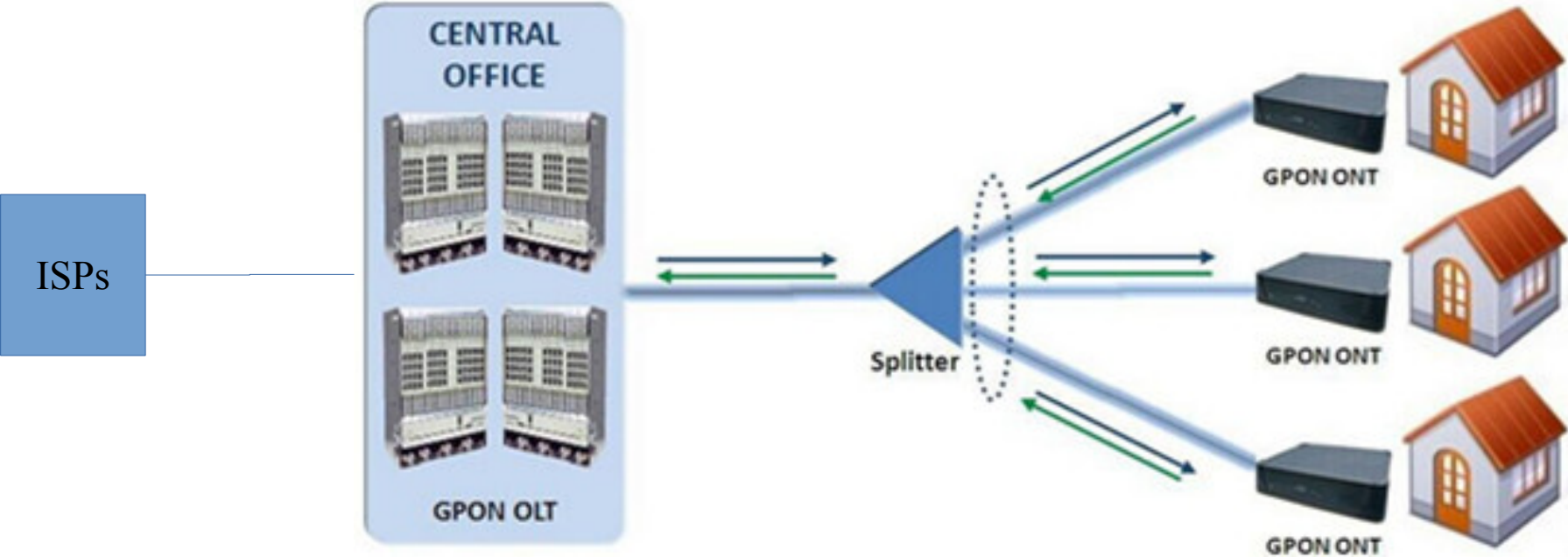


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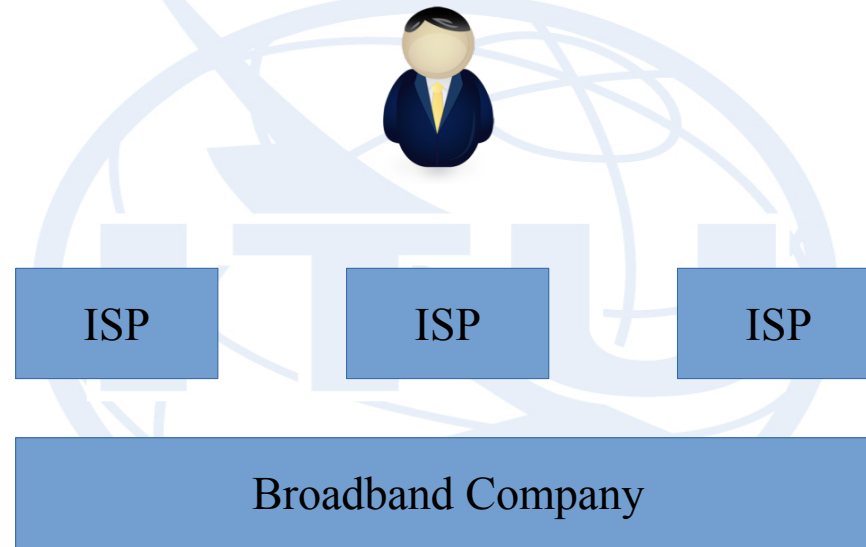
Implementation of the NBS

- In 2015, Government Founded Oman Broadband Company (OBC)
- OBC established building and managing passive FTTx networks all over Oman and lease these connections to the ISPs.
- The telecom infrastructure owned by Haya water (wastewater management) company shifted to the new company

GPON FTTH



FTTH Provisioning Model



Challenges



Regulatory Challenges

- NBS recommended several regulatory actions reforms; including:
 - Updating the licensing framework
 - Using the telecom passive infrastructure owned by non telecom companies
 - Spectrum re-farming
- QoS “Service Delivery” KPI



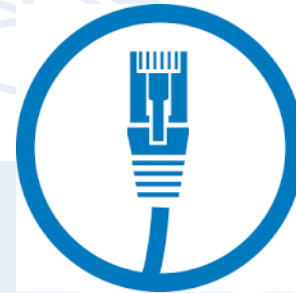
Technical Challenges



Fault Clearance



Geographical Nature



Internal Cabling
/Structured cabling



Backhauling
& ISP
dependency

Implementation Challenges



- Obtain Excavation permits
- Cable Extension to villas



Following other utilities providers

Other



Financial feasibility
specially in remote
areas



Orders Backlog



Geographical overlap
with neighboring countries

Thank You