Broadband Infrastructure in the ASEAN-9 Region

Markets, Infrastructure, Missing Links, and Policy Options for Enhancing Cross-Border Connectivity

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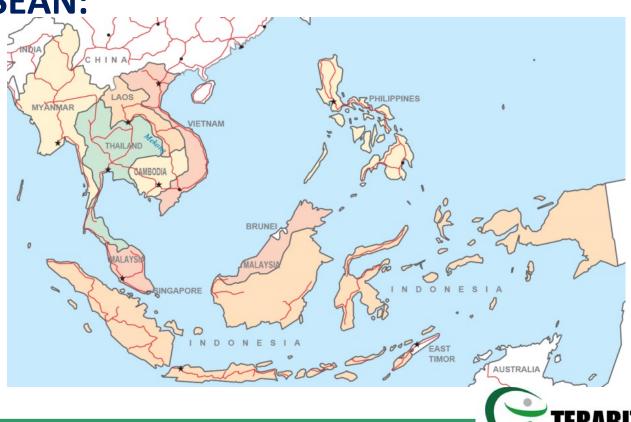
Part 1: Background and Methodology



Project Scope

Between late-2012 and mid-2013, Terabit Consulting performed a detailed analysis of broadband infrastructure and markets in the 9 largest member countries of ASEAN:





Scope (cont'd.)

• The data and analysis for each country included:

- ✓ Telecommunications market overview and analysis of competitiveness
- ✓ Regulation and government intervention
- ✓ Fixed-line telephony market
- ✓ Mobile telephony market
- ✓ Internet and broadband market
- ✓ Consumer broadband pricing
- ✓ Evaluation of **domestic network** connectivity
- ✓ International Internet bandwidth
- ✓ International capacity pricing
- ✓ Historical and forecasted total international bandwidth
- ✓ Evaluation of **international network connectivity** including terrestrial fiber, undersea fiber, and satellite
- ✓ Evaluation of trans-border network development and identification of missing links

Sources of Data

 Terabit Consulting has completed dozens of demand studies for submarine and terrestrial fiber networks worldwide

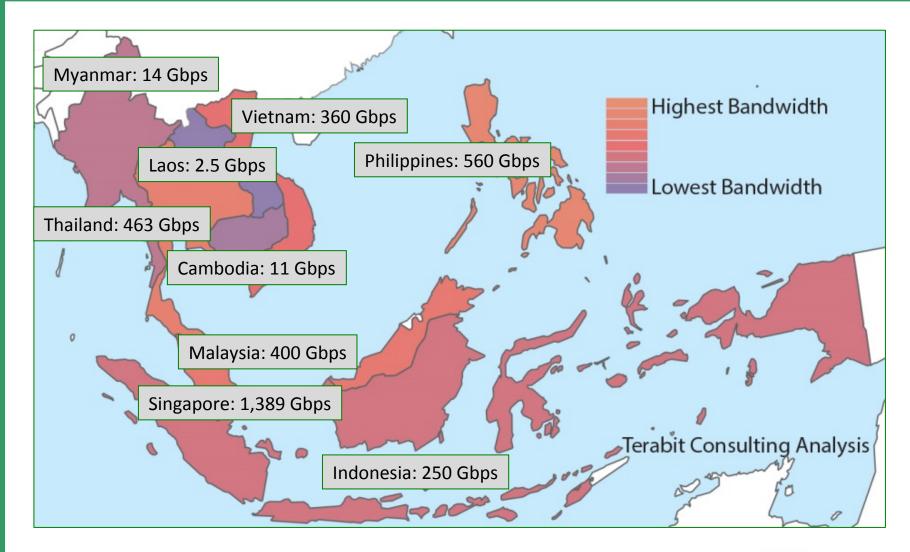
Constant contact with operators, ISPs, and other stakeholders

- Terabit Consulting's published reports include:
 - The Undersea Cable Report (1,500+ pages)
 - International Telecommunications
 Infrastructure Analysis (1,000+ pages)
- Terabit Consulting's data and intelligence regarding infrastructure, demand, traffic flows, pricing, and market share is negative.

Part 2: State of the ASEAN-9 Bandwidth and Broadband Markets



International Internet Bandwidth, YE12





rnet Bandwidth per Capita (Kbps)

