PERSIDANGAN KEBANGSAAN MENGENAI MASYARAKAT BERMAKLUMAT NATIONAL SUMMIT ON INFORMATION SOCIETY (NASIS) 7 – 8 SEPTEMBER 2005 INTERNATIONAL CONVENTION CENTER, BRUNEI DARUSSALAM

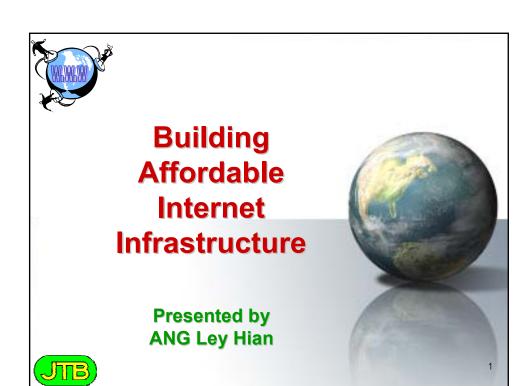
Date of issue: 6th September 2005 Doc. S5-5

Session 5: Bridging the Digital Divide

Building affordable Internet infrastructure – How?

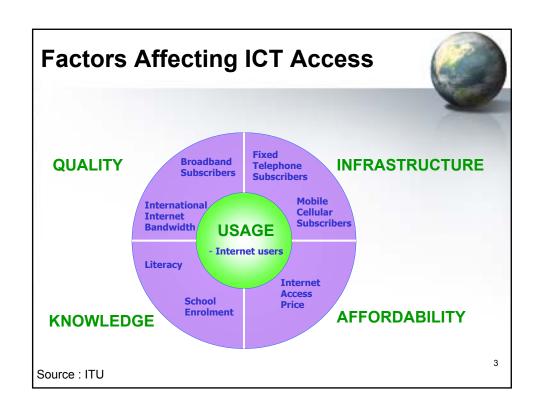
by Any Ley Hian, Senior Telecom Engineer Brunei Telecom Department

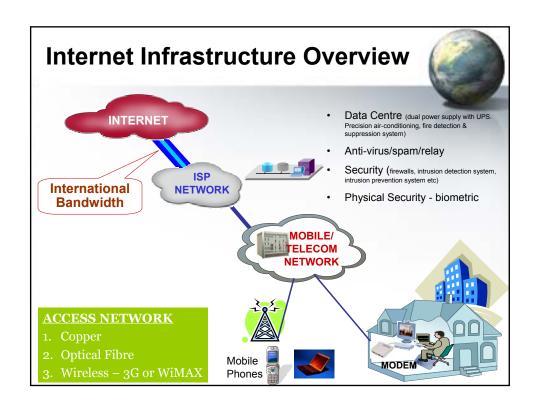
(Thursday, 8th September 2005, 10.30am – 12.15pm)

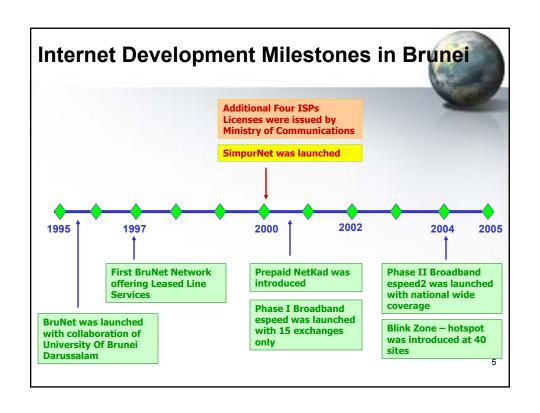


Agenda

- Factors Affecting ICT Access
- Internet Infrastructure Overview
- Internet Development Milestones in Brunei
- Fixed and Mobile Phone Density
- Internet Tariff
- Affordability Issues
- · How to move forward





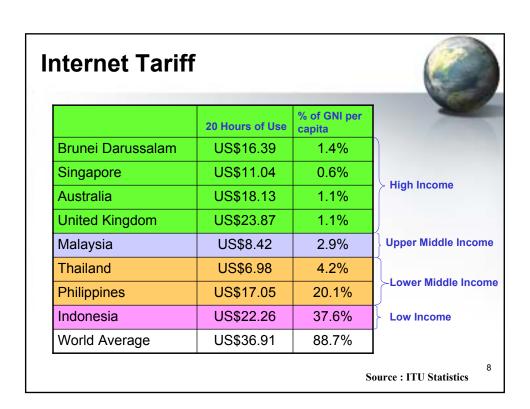


xed and Mobile Phone Density 🌘		
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	Main Telephone Lines Per 100 inhabitants	Mobile Subscribers Per 100 inhabitants
Brunei Darussalam	25.57	40.06
Malaysia	18.16	44.20
Singapore	45.03	85.25
Philippines	4.12	9.7
Indonesia	3.94	8.74
Thailand	10.49	39.42
Australia	54.23	71.95
United Kingdom	59.06	91.17
World Average	18.66	68.1

Rural Communications



- Under the 8th national development plan, JTB has implemented rural communication at Tutong and Kuala Belait District that allows basic telephony services i.e. voice services.
- JTB is also currently in the process of upgrading this network to broadband network by 2006.



Affordability Issues



- · Economy of Scales
 - High investments for infrastructures
 - High operation and maintenance cost
 - High cost for international bandwidths

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How to Move Forward



- Service providers and operators to work closely with all stakeholders e.g. policy and funding
- Explore new and cheaper technologies
- Negotiate better prices for international bandwidth and equipment cost
- Improve productivity and efficiency of the service providers and operators
- Introduction of new packages such as time based or volume based services

