

Ministry of Communication and Information Technology

Indonesia's Initiatives to Deploy NGN

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COUNTRY OVERVIEW – Dec 2006

- Population: 220 millions
- GDP per capita: US\$ 1,200
- Fixed telephone Fixed Wireline (8.7 mill.) – FWA (5.9 mill.) ; density: 6.64% (14.6 millions)
 - Major cities : 10 – 40%
 - Rural less than 0.2% (60% villages without phone at all)
- Mobile telephone density: 28.64% (63 millions)
- Fixed and Mobile density: 35.28%
- Internet: 2,000,000 subscribers with approx. 20 million users (± 9.1 %)
- Broadband: - ADSL, FIBER OPTIC : 100,000subs.
 - Mobile (edge, EV-DO, 3G) : 2,000,000 subs

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Demand for Telecommunication Infrastructure

- **Closing the access gap:** extending the reach of telecommunications services to rural, frontiers, and remote areas, particularly those that infeasible commercially;
- **Developing next-generation broadband networks:** high-speed communications backbone infrastructure as an enabling technology infrastructure for many other sectors;
- **Stimulating further investment in the sector,** including through private-public partnerships, by enhancing competition; and maintaining the momentum of policy and regulatory reform, taking into account global trends in communications technology and market structure.

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Initiatives in NGN

- **Infrastructure**
 - Indonesia has Palapa Ring Fiber Optic Backbone initiative
- **Equipment**
 - Local manufactures and consortia have capability to make soft switch, gateway and router
- **Access**
 - Local manufacturers and service providers are encouraged to invest in this field
- **Content**
 - Local service provider are encouraged to invest in this field



PROGRAMS IN THE PIPELINES

- **USO – Universal Service Obligation**
 - To cover 43,000 villages before the end of 2010
- **PALAPA RING**
 - F.O backbone network connecting 33 Province Capitals and 440 district capitals across Indonesia with 320 Gbps
- **BWA – 3G, WiMAX**
 - To enhance access all over Indonesia,
 - 3G already deployed by 5 Operators, WiMAX to be tendered 2008
- **Competition**
 - Maintaining level playing field among the players at all times



List of Policy and Regulation Adjustment

General Policy	Technical Regulation
<ul style="list-style-type: none"> • Awareness of NGN • Collaboration among Stakeholder • Adjustment of License Structure • Consistent competition policy • Migration Strategy of NGN (including timing strategy) • Explore government incentive • Local content policy of NGN • Implementing USO 	<ul style="list-style-type: none"> • Interconnection and Tariff • Numbering • QoS • Security • Standardization and Interoperability • Migration of IPv4 to IPv6



Thank you



APPENDICES

