

PRESS RELEASE

Closing the Connectivity Gap: Spearheading the Indonesian Broadband Plan and Increasing Access to Mobile Technology

- The Indonesian Broadband Plan (IBP) targets to speed up mobile broadband usage to address the current connectivity gap, supporting the wide usage of mobile broadband in the country
- In areas where fixed broadband penetration is relatively low, the IBP provides solutions through terrestrial wireless broadband, one of which is through the implementation of a 4G network, however, there are still challenges ahead.
- Masyarakat Telekomunikasi Indonesia (MASTEL) through CECI' 15 will ensure all key stakeholders meet to roll out the plan of action to address the connectivity gap and map the roles of each of the players

Jakarta, 19 October 2015 – The number of internet users in Indonesia is constantly soaring every year. At the end of 2014, the number of internet users in the country reached 88.1 million, an increase of 23% compared to the end of 2013. Unfortunately, the spread of internet network supporting facilities is still uneven. For example the provision of broadband infrastructure (known simply as broadband) is still focused in the western part of Indonesia, leaving the eastern part of Indonesia fairly underdeveloped.

Indonesia Broadband Plan and 4G

To address the connectivity gap between the West and East part of Indonesia, the government launched a plan in 2014, called the Indonesian Broadband Plan which not only sets out to narrow the gap but also realize a high-speed internet network. According to this plan, the government expects that 70 percent of Indonesian households will be connected to the Internet by 2019, and 49 percent of rural residences will be familiar with the Internet and supported by a high-quality network. However, these goals are not without challenges.

Based on The Economist Intelligence Unit Report in 2014, Indonesia, with its 17,000 islands, has a rural population of about 60%, making them hard to reach with fixed-line services. Villages are dispersed and remotely located, with no reliable ICT infrastructure. This translates into some of the challenges that have emerged during the implementation of Indonesia Broadband Plan, including Non-Line of Sight (NLOS) due to terrain, or more often a geographically difficult location or remote island. This has widened the connectivity gap between parts of Indonesia.

A breath of fresh air came in late 2014, when fourth generation broadband (4G) became popular in Indonesia, campaigned by the country's mobile network providers. The 4G broadband has already become part of the solution as it can help, in parallel to the IBP,



connect the remote areas of Indonesia via a mobile network. Indonesia's reputation for high mobile phone usage, where one person often has more than one mobile phone, makes 4G implementation an obvious way forward.

ICT as Indonesia's future core sector

Chairman of MASTEL, Kristiono said, "ICT is seen as a meta-infrastructure to achieve sustainable economic growth, national competitiveness and to reach the knowledge-based economy. The IBP, as part of Indonesia's ICT development, has set a target to speed up implementation of mobile broadband but very little detail has been given on how this will be achieved. We know that the devil is always in the detail." He continued, "This is an opportunity for all stakeholders in broadband and mobile networks to sit together and discuss how each can complement one another, to ensure our 2019 ICT goals are achieved."

While all stakeholders are addressing the connectivity gap, another looming threat will be the issue of cybersecurity which also needs to be addressed if the IBP is to be successfully rolled out.

Mastel will be hosting key investors and stakeholders to formulate the necessary plan of action to ensure broadband and 4G implementation overcome the challenges of cybersecurity during Connect Expo Comm Indonesia 2015 (CECI'15). Held in conjunction with Indonesia Infrastructure Week 2015, CECI' 15 will connect foreign and domestic investors with Indonesian ICT business players. At the event, Mastel will also host a forum on National Broadband and Cyber Security Symposium (NBCSS) which serves as a platform for stakeholders to discuss what best practices have already been implemented elsewhere and can be replicated to tackle issues in Indonesia.

For more information on CECI' 15 and NBCSS, please visit:

<http://www.indonesiainfrastructureweek.com/>

About Indonesia Infrastructure Week 2015

Indonesia Infrastructure Week (IIW) 2015 is an annual event organized by Infrastructure Asia in collaboration with its partners. This year, IIW will be held in Jakarta Convention Centre in 4-6 November and will have four major industry sector exhibition and dialogue events:

- Indonesia International Infrastructure Conference and Exhibition (IIICE) 2015, hosted by KADIN Indonesia
- Konstruksi Indonesia (KI) 2015, hosted by Ministry of Public Works and Housing
- Airports and Aviation Indonesia (AAI) 2015, hosted by Masyarakat Transportasi Indonesia
- Connect Expo Comm Indonesia (CECI) 2015, hosted by Masyarakat Telekomunikasi Indonesia

Visitors to each of these events will automatically have access to all four events and can take part in a hosted buyer programme to meet with other business contacts.

For further information on IIW 15 please go to www.indonesiainfrastructureweek.com



Annex I:

Themes and high level speakers of the forum

1. Enabling Broadband Infrastructure Deployment Across Indonesia.
Co-Moderated by: Taufik Hasan, Board member of MASTEL.
Anticipated high level speakers on this theme are:
 - Rudiantara, Menteri Komunikasi dan Teknologi Informatika
 - Kristiono, Ketua Umum MASTEL
 - Ilham Habibie, Ketua Umum DETIKNAS
 - Alex Janangkih Sinaga, Presiden Direktur PT Telekomunikasi Indonesia Tbk.
 - Alexander Rusli, Ketua Umum Asosiasi Telekomunikasi Seluler Indonesia (ATSI)
2. Reaching the Next 120 Million Broadband Users: Challenges & Opportunities.
Co-Moderated by: Dr. Setyanto P. Santosa, Supervisory Board of MASTEL.
Anticipated high level speakers for this theme are:
 - Kalamullah Ramli, Direktur Jenderal Pos dan Informatika, Kementerian Komunikasi dan Teknologi Informatika
 - Tri Rismaharini, Walikota Surabaya*
 - Ridwan Kamil, Walikota Bandung *
 - Zulhelfi Abidin, Direktur Sistem Informasi dan Teknologi PT Bank Rakyat Indonesia (Bank BRI)
 - Farid Subkhan, M.E, M.Sc, Penemu dan Ketua Umum Citiasia*
3. How a Robust “National Cyber Security Agency” Can Protect Critical Networks & Enable Our Economy.
Moderated by: Sylvia W. Sumarlin, Advisor to Ministry of Defense for Cyber Security.
Anticipated high level speakers are:
 - Luhut Pandjaitan, Menteri Koordinator bidang Politik, Hukum, dan Keamanan Republik Indonesia
 - Lt. General (Rtd). Sutiyoso, Kepala Badan Intellegensi Nasional
4. Anticipating the Threats: Red Alerts on Cyber Security.
Moderated by: Adriansyah Adnan, Director of Anabatic Technologies
Anticipated high level speakers are:
 - Yuddy Chrisnandi, Menteri Pendayagunaan Aparatur Negara dan Reformasi Birokrasi Republik Indonesia
 - Bambang Heru Tjahjono, Direktur Jenderal bidang Aplikasi ICT, Kementerian Komunikasi dan Teknologi Informatika



- Suharyanto, SH, Kepala Sub-Direktorat Kejahatan Dunia Maya, Ditreskrimsus Polda Metro Jaya
- DR. Budi Rahardjo, Kepala CERT (Computer Emergency Response Team) Indonesia
- Kusuma Lienandjaja, Direktur Hubungan Pemerintah Blackberry Indonesia

5. Securing Control Systems on Critical National Infrastructure (CNI).

Co-Moderated by: Kanaka Hidayat, Board Member, MASTEL.

Anticipated high level speakers are:

- Eddy Satriya, Asisten Deputi bidang Telematika dan Utilitas, Kementerian Koordinator Bidang Ekonomi Republik Indonesia
- Hary Sungkary, Tim Eksekutif DeTIKnas (National ICT Council)
- Shinto Nugroho, Kepala Kebijakan Publik dan Hubungan Pemerintah Google Indonesia *
- Shinta W. Dhanuwardhoyo, Penemu Bubu.com

