



Facilitating Connectivity: East Asia & Pacific Engagement

The World Bank

Transport and ICT
Global Practice
Smart Connections for All

UNESCAP: AP-IS Meetings

Guandong, August 29, 2016

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World Bank Group ICT Strategy

- **Digital Connectivity:** scale up affordable access to broadband Internet
- **Digital Economy:** support technology innovation for jobs and competitiveness across economies
- **Digital Government:** support the use of technology to improve service delivery, promote open and accountable development

The World Bank Group is supporting ICT for Development programs in more than 100 member countries, including:

- Catalytic project finance for network investments, e.g. fibre-optic cables, rural connectivity programs
- Technical assistance for telecoms policy and regulatory reforms
- Investments in Government information systems (various departments/ministries), cloud, databases, citizen-facing services
- Projects and components supporting applications e.g. ICT for jobs, farmer information services, health and education information systems, transport planning, disaster early warning, location-based services
- Advice and knowledge-sharing for governments on ICT4D topics
- International Finance Corporation (IFC) investment in private sector-led activities
- Multilateral Investment Guarantee Agency (MIGA) support if required

Supporting Improved Connectivity

- **Improving Access and connectivity**
 - Local access (fixed and mobile)
 - Broadband and backbone infrastructure development
 - Capacity pre-purchase
 - PPP mechanisms design and transaction support
 - Repurposing Universal Service Funds and new approaches to rural broadband
 - Regional /International connectivity programs
 - Fibre co-location (power, transport, pipelines)
 - Support for IXPs, NRENs
- **Policy and regulation (Telecom/Broadband & 2nd generation ICT)**
 - Sector reform, and national policy and strategic plans
 - Legal and regulatory frameworks (competition, spectrum management, licensing, infrastructure sharing, PPPs and Open Access)
 - Licensing and concession awards/tenders
 - Telecom Institutional Transformation

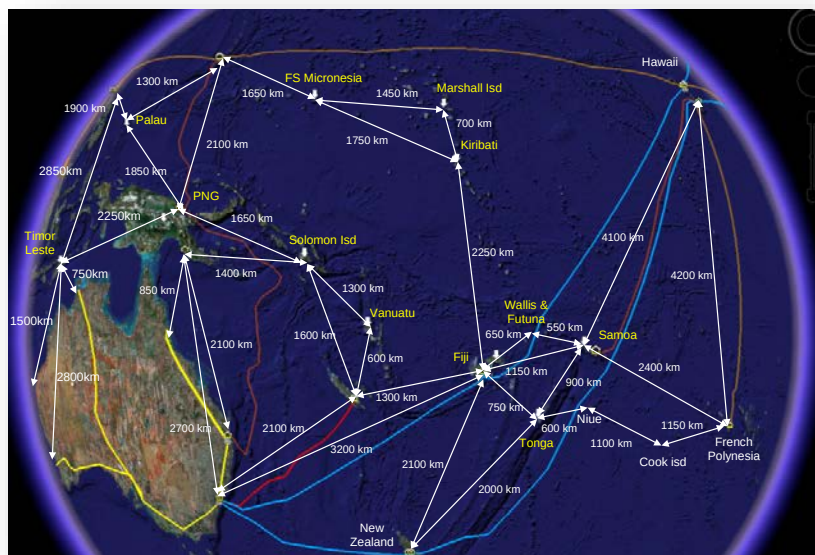
- **Digital jobs and skills diagnostics:** ICT and 21st century skills for middle and high schools; Inclusive Rapid Skills Training (i.e. digital literacy, coding, online work)/ Certification
- **Using ICTs for competitiveness and diversification**
- **Financing/strengthening Tech Hubs and mLabs, IT parks and clusters**
- **ICT-enabled entrepreneurship:**
 - App challenges and other competitions, “hackathons”
 - Pre-acceleration and rapid capacity building
 - Digital fabrication labs and open innovation processes industry-entrepreneurs

- Shared Services
- Cloud computing
- Data centres
- Government portals
- Government networks
- Cybersecurity
- Digital ID
- Citizen engagement platforms
- Big data & analytics

Pacific Engagement

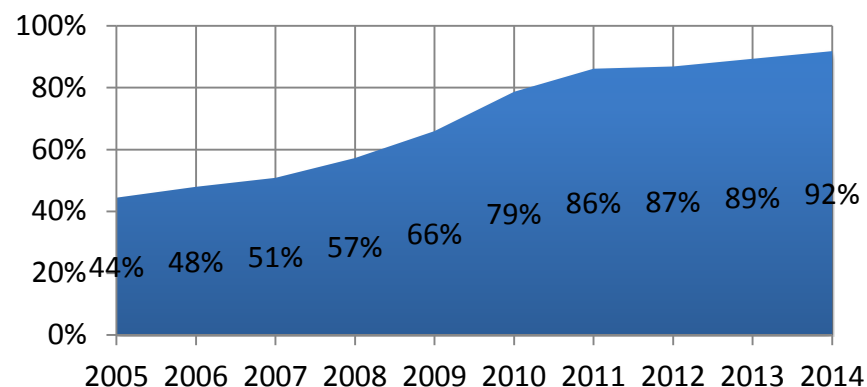
	Activities	US\$m	Compl. FY
Fiji	Fiji Connectivity Project (Vanua Levu cable)-under preparation	6.0	2021
Federated States of Micronesia (FSM)	Palau-FSM Connectivity Project (Regional)	47.5	2019
	Telecoms & ICT Development TA Grant (recipient-executed trust fund/RETF)	0.50	2016
Kiribati	Telecoms & ICT Development Project (IDA+RETF)	5.10	2017
	Kiribati Connectivity Project (under preparation)	20.0	2022
Palau	Telecoms & ICT Development TA Grant (RETF)	0.60	2016
	<i>Follow-up Grant (RETF)</i>	TBD	TBD
PNG	Rural Communications Project	15.0	2017
	Connectivity Options Analysis (completed)	report	2016
	<i>PNG Connectivity Project (pending Govt RQ, potential)</i>	TBD	TBD
Marshall Isl.	Telecoms & ICT Development TA Grant (RETF)	1.25	2016
Samoa	Samoa Connectivity Project (Regional)	16.0	2020
Solomon Is	Telecommunications & ICT Development Project (completed)	5.99	2015
Timor-Leste	ICT Technical Assistance	AAA	2017
Tonga	Tonga-Fiji Connectivity Project (Regional)	17.2	2017
	Tonga E-Govt (collaboration with ADB)--planned	TBD	TBD
Tuvalu	Telecoms & ICT Advisory Assistance (completed)	report	2014
	Telecoms & ICT Development project (IDA & RETF)	10.0	2021
Vanuatu	Telecoms & ICT Development Project (RETF)	2.73	2017
Regional	Pacific Regional ICT Regulatory Development Project	4.50	2014-19
	ICT for Jobs Report (Tonga, Fiji, Samoa)	report	2015
IEC	On-demand, private sector support	TBD	TBD

Pacific Regional Connectivity -(1)

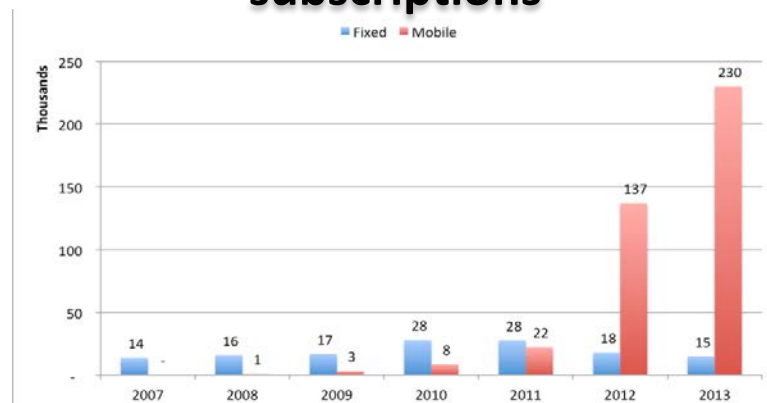


- Extreme isolation of region, high costs, small markets
- Successful telecoms liberalization in most countries, boosting mobile access, improving regulatory environment.
- Growing demand for bandwidth justifies investments
- Internet access the main challenge; constrained largely by high international bandwidth costs (US\$2000-3600 Mbps/mo.)

Population covered by 2G (GSM) mobile signal (%)



Mobile and Fixed Broadband subscriptions



Pacific Regional Connectivity- (2)

- Tonga-Fiji Cable (August 2013): ADB, WB, Tonga Communications Corporation (TCC). Planned extension to Tonga's outer islands.
- Palau-FSM-Guam cables (2017): ADB, WB
- Samoa-Fiji cable (2017): ADB, WB, Samoa Submarine Cable Co (SSCC)
- Vanua Levu (Fiji) cable (2017)
- Kiribati-Nauru-FSM cable (planned 2018-19): with ADB
- Papua New Guinea: connectivity options under discussion with stakeholders

预览已结束，完整报告链接和二维码如下：

https://www.yunbaogao.cn/report/index/report?reportId=5_2532

