

ITU Asia-Pacific Regional
Development Forum 2015: Smartly
Digital Asia-Pacific

Outcome of the Pacific ICT Ministerial Meeting 19th June 2015 Nuku'alofa, Tonga

Presented by: Paula P. Ma'u
CEO, MIC, Tonga



Outline



- * Introduction - History of Pacific Island Regional ICT Strategies
- * Objectives of the Pacific ICT Ministerial Meeting 2015
- * Overview
 - * FAIDP - Framework for Action on ICT Development in the Pacific
 - * FAIDP Themes

Introduction



1. History of Pacific Island Regional ICT Strategies

- * 2005 – Pacific Leaders adopted Regional Digital Strategy (2005 – 2010)
- * 2009 – 1st Pacific ICT Ministerial Forum adopted principles of ‘Connecting the Unconnected
- * 2009 – Forum Leaders endorsed these principles and review of the Regional Digital Strategy
- * 2010 – 2nd Pacific ICT Minister’s Meeting endorsed principles of FAIDP
- * 2011 – Pacific ICT Ministers adopted the 2010 FAIDP (2010-2015)
- * 2014 – Review of the 2010 FAIDP
- * 2015 – 3rd Pacific ICT Ministerial Meeting endorsed FAIDP

Introduction



2. International Undertakings

- * UN S.A.M.O.A Pathway 2014
- * UN Post 2015 Sustainable Development Goals
- * UN Sendai Framework for Disaster Risk Reduction 2015-2030
- * APT Brunei Darussalam ICT Ministers Statement 2014

3. Common Challenges (affected by):

- ❖ Ongoing adverse impacts of global economic crisis
- ❖ Declining foreign direct investments
- ❖ Trade imbalances
- ❖ Increase indebtedness
- ❖ Lack of adequate transportation, energy, ICT infrastructure networks
- ❖ Limited human, capital and institutional capacity and resources
- ❖ Natural disaster risks

Objectives of Pacific ICT Ministerial Meeting 2015



The Pacific ICT Ministerial Meeting 2015 aimed to:

- * Review the progress of ICT development for development in the Pacific region at large;
- * Adopt results of the FAIDP Review including issues, challenges, opportunities, and suggestions;
- * Build and/or strengthen partnerships and cooperation among PICTs, countries outside the Pacific region, international and regional organisations.

Overview - FAIDP



2010 FAIDP as an Instrument for ICT Development in the Pacific outlined an approach in developing and improving ICT Services towards:

- * Support sustainable development
- * Strengthen governance
- * Improve livelihood of the communities in the Pacific Region

Overview – FAIDP Themes



- * 2010 FAIDP identified 7 themes to guide actions, inform policy direction, enhance funding decisions and support implementation:
 - * **Leadership, governance, coordination and partnerships**
 - * **ICT Policy, Legislation and Regulatory frameworks**
 - * **ICT Human Capacity Building**
 - * **ICT Infrastructure and Access**
 - * **International Connectivity**
 - * **Cyber Security and ICT Application**
 - * **Financing, Monitoring and Evaluation**

Theme 1: Leadership, governance, coordination and partnerships



Expected Outcome - Strong leadership, governance, effective multi-sectoral coordination and partnership to fully utilize ICT as a tool for development in the Pacific

Objective - Implementation of a regional plan in a more effective and coordinated manner and involves all key stakeholders in the ICT sector to achieve affordable and accessible ICT

Theme 1: Leadership, Governance, Coordination and Partnerships



Key Priorities:

1. Better coordination of regional and national initiatives in the Pacific

- * Review existing regional and national initiatives
- * Strengthen collaboration with Partners on regional and national initiatives
- * Ensure Regional initiatives support national initiatives

Theme 1: Leadership, Governance, Coordination and Partnerships



Key Priorities:

2. Engagement of development partners and key stakeholders in the ICT development

- * Convene a High level meeting with Partners and stakeholders

3. Strengthening of partnerships and strategic engagement between regional and international organizations

- * Maintain partnerships and strategic engagement with regional and international organizations

Theme 2: ICT Policy, Legislation and Regulatory frameworks



Expected Outcome - Strengthen ICT policy, planning capacity, and legislative and regulatory frameworks for ICT to provide and enabling environment for sustainable development

Objective - Development and implementation of supportive policies and regulatory frameworks that provide a conducive environment for the effective development of the region's ICT sector.

Theme 2: ICT Policy, Legislation and Regulatory frameworks



Key Priorities:

1. ICT policy, legislation and regulatory frameworks that provide a conducive and enabling environment for social and economic sustainable development
 - * Encourage and support the development and adoption of national ICT policies
 - * Encourage and support the development of ICT policies for priority sectors (Education, Health Agriculture, Disaster Management, Fisheries and Tourism)

Theme 2: ICT Policy, Legislation and Regulatory frameworks



Key Priorities:

2. ICT policy, legislation and regulatory frameworks that promote open and non-discriminatory access to ICT
 - * Encourage and support the development of national regulators
 - * Encourage and support the inclusion of Universal Access in appropriate policy and legislation
 - * Promote and encourage access to and use of ICT by disadvantaged groups such as women, the disabled and youths

Theme 2: ICT Policy, Legislation and Regulatory frameworks



Key Priorities:

3. ICT Policy, legislation and regulatory frameworks to address socially undesirable activities

- * Encourage and support the adoption of legislation against the misuse of ICT for criminal purposes
- * Support the development of policies and legislation to protect children when using the Internet

Theme 2: ICT Policy, Legislation and Regulatory frameworks



Key Priorities:

4. ICT policy and regulations that are consistent with international and national laws, regulations, technical standards and obligations
 - * Encourage PICTs to comply with software licensing agreements and encourage the use of Free Open Source Software (FOSS).

Theme 2: ICT Policy, Legislation and Regulatory frameworks



Status:

Countries	National ICT Policies	Cybercrime Legislation	Regional Strategy to combat cybercrime	Electronic files admissible in court	Data protection legislation	ICT Education Policy	ICT Health Policy
Cook	Y	N	N/A	N/A	N	Y	Y
Fiji	Y	Y	N/A	N/A	N	Y	Y
FSM	Y	N	N/A	N/A	N	Y	N/A
Kiribati	Y	N	N/A	N	N	N	N
Marshall	Y	N	Y	N	N	Y	N
Nauru	N	N	N/A	N/A	N	Y	N/A
New Caledonia	Y	N	N	N	N	Y	Y
Niue	N	N	N/A	N/A	N	N	N
Palau	Y	N	N/A	Y	N	Y	Y
PNG	Y	N	N/A	N/A	N	Y	N/A
Samoa	Y	Y	N/A	N/A	N	Y	N/A
Solomon	N	N	N/A	N	N	N	N
Tonga	Y	Y	N/A	Y	Y	Y	N/A
Tuvalu	N	N	N/A	N	N	N	N
Vanuatu	Y	Y	N/A	N/A	N	Y	N/A

Theme 3: ICT Human Capacity Building



Expected Outcome - A safe and secure ICT environment, a sustainable ICT workforce and an ICT literate populace

Objective - A regional ICT skilled workforce with an understanding and knowledge of cyber security, and the capacity to respond effectively to cyber security issues.

Theme 3: ICT Human Capacity Building



Key Priorities:

1. Develop a sustainable workforce with ICT skills
 - * Encourage international certification and develop regional ICT skills standards
 - * Encourage regional training institute to develop skilled based training to supplement broad-based training
 - * Encourage, promote and support ICT curriculum in all PICT teacher training programs
 - * Encourage and support research in ICT fields and in area identified as priorities

Theme 3: ICT Human Capacity Building



Key Priorities:

2. Improve citizens basic ICT skills

- * Support and promote the adoption of ICT literacy and integration of ICT studies into school's curriculum
- * Support countries with programs that allows teachers to use e-learning programs to deliver good quality education
- * Promote and support the development and use of digital libraries and e-learning resources.

Theme 3: ICT Human Capacity Building



Key Priorities:

3. Provide a more secure and safe ICT environment
 - * Explore options to revive the Pacific Emergency Response Team (PacCERT). Encourage and support PICTs to setup national CERT
 - * Develop, support and promote ICT and Cyber security awareness programs for schools, Businesses, Government, Youths and Communities

Theme 3: ICT Human Capacity Building



Status:

Countries	Secondary schools have access to Computers	Secondary schools have Internet access	ICT curriculum included in Teacher Training
Cook	Y	Y	Y
Fiji	Y	Y	Y
FSM	Y	Y	N
Kiribati	Y	Y	N
Marshall	Y	Y	N
Nauru	Y	Y	N
New Caledonia	Y	Y	Y
Niue	Y	Y	N
Palau	Y	Y	N
PNG	Y	Y	N/A
Samoa	Y	Y	N/A
Solomon	Y	Y	N
Tonga	Y	Y	Y
Tuvalu	Y	Y	N
Vanuatu	Y	Y	N

Theme 4: ICT Infrastructure and Access



Expected Outcomes - Improved domestic connectivity and access to ICT

Objective - Reliable, efficient, secure and affordable access to ICT for all Pacific communities and priority sectors

Theme 4: ICT Infrastructure and Access



Key Priorities:

1. Establish the appropriate ICT infrastructure and initiatives to support and facilitate national sustainable development
 - * Promote and support the provision of accessible and affordable communication to rural and remote islands.
 - * Encourage, support and promote the roll out and use of broadband (schools, health centers, disaster centers, rural areas and remote islands)
 - * Support and encourage the effective integration of ICT in early warning system and disaster management systems
 - * Support and encourage the re-establishment of e-waste and green ICT programs.

Theme 4: ICT Infrastructure and Access



Key Priorities:

2. Ensure that ICT networks and support infrastructure are reliable, secure, fast and cost effective

- * Ensure the efficiency and effective management of PICTs ccTLDs.
- * Encourage and support the establishment of stringent contingency plans for critical infrastructure.
- * Encourage and support the establishment of annual ICT infrastructure security audits

Theme 4: ICT Infrastructure and Access



Key Priorities:

3. Ensure to increase and maintain access to ICT services on a community-wide level through a balanced geographic distribution

- * Promote and support the use of shared ICT facilities
- * Encourage and promote the development of local ICT-based businesses and contribution to the expansion of ICT networks coverage.
- * Promote and support the expansion of ICT services to cover a community-wide level and priority sectors
- * Support and strengthen the full utilization of existing Government infrastructure to transform and improve e-Government services
- * Encourage and support countries with well-established e-Government initiatives to share and assist other countries in enhancing e-Government initiatives

Theme 4: ICT Infrastructure and Access



Status: ICT Infrastructure

Countries	Broadband Rollout Plans	e-Environment Programme	PICT Providers have contingency and continuity plans	Early warning and disaster management system	Public Key Infrastructure Establishment	Regional Collaboration with Energy Sector
Cook	Y	Y	Y	Y	Y	Y
Fiji	Y	Y	Y	Y	N	N/A
FSM	Y	N/A	Y	N/A	N	N/A
Kiribati	Y	Y	Y	N	N	N
Marshall	Y	Y	Y	N	N	Y
Nauru	Y	N	Y	N	N	N/A
N.C	Y	N	Y	Y	N	N
Niue	Y	N	Y	N	N	N
Palau	Y	N/A	Y	N/A	N	N/A
PNG	Y	N	Y	Y	N	N/A
Samoa	Y	Y	Y	Y	N	N/A
Solomon	Y	N/A	Y	Y	N	N/A
Tonga	Y	N/A	Y	Y	N	Y
Tuvalu	Y	N	Y	N	N	Y
Vanuatu	Y	N/A	y	Y	N	N/A

Theme 4: ICT Infrastructure and Access



Status: Connectivity

Countries	Connectivity option	
	International	domestic
American Samoa	●●	●
Cooks Islands	●	●
Federated States of Micronesia	●	●
Fiji	●●	●
French Polynesia	●●	●●
Kiribati	●	●
Marshall islands	●	●
Nauru	●	-
New Caledonia	●	●
Niue	●	-
Norfolk Island	●	-
Palau	●	●●
Papua New Guinea	●●	●
Samoa	●●	●
Solomon islands	●	●
Tokelau	●	●
Tonga	●●	●●
Tuvalu	●	●
Vanuatu	●	●
Wallis & Futuna	●	●

Theme 4: ICT Infrastructure and Access



Status: ICT Indicators per country

Countries	Fixed-telephone subscriptions per 100 inhabitants	Mobile-cellular subscriptions per 100 inhabitants	Fixed (wired)-broadband subscriptions per 100 inhabitants	Mobile-broadband subscriptions per 100 inhabitants	Households with a computer (%)	Households with Internet access at home (%)	Individuals using the Internet (%)
Fiji	8.5	101.1	1.2	53.5	34.2	26.7	37.1
FSM	9.7	30.3	2	0	N/A	N/A	27.8
Kiribati	8.8	16.6	1.1	0	6	2.5	11.5
RMI	10.6	1.3	0	0	N/A	N/A	11.7
Nauru	0	67.8	0	10	18	28	54
New Caledonia	26.5	91.8	19.3	9.1	72	53.4	67
Niue	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Palau	N/A	N/A	N/A	N/A	N/A	N/A	N/A
PNG	1.9	41	0.2	0	3.4	2.9	6.5
Samoa	10.8	47.2	0.1	0	N/A	N/A	15.3
Solomon	1.4	57.6	0.3	8	5.5	4.2	8
Tokelau	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Tonga	29.4	54.6	1.6	0.1	15.5	12	35
Tuvalu	14.7	34.4	7.1	0	23.4	19.7	37
Vanuatu	2	59.3	0.1	7.4	11.2	3.5	11.3

Theme 5: International Connectivity



Expected Outcome – Reliable, higher capacity, and affordable International connectivity.

Target and Milestone:

- * PICTs have IPv6 transition plan by 2012
- * Collaborative regional projects implemented
- * A mechanism is established to monitor international bandwidth, Internet and phone charges in PICTs

Theme 5: International Connectivity



Countries	IPv6 Transition Plan	Collaborative Regional Project Implementation	A mechanism established to monitor bandwidth, internet connectivity, phone charges
Cook	Y	Y	Y
Fiji	Y	Y	Y
FSM	Y	Y	Y
Kiribati	Y	Y	Y
Marshall	Y	Y	Y
Nauru	N	Y	Y
New Caledonia	Y	Y	Y
Niue	N	Y	Y
Palau	N	Y	Y
PNG	N	Y	Y
Samoa	Y	Y	Y
Solomon	N	Y	Y
Tonga	Y	Y	Y
Tuvalu	N	Y	Y
Vanuatu	Y	Y	Y

Theme 6: Cybersecurity and ICT Applications



Expected Outcome - A safe and secure ICT environment and improved e-services in priority sectors

Target and Milestone:

- * Sustainable PacCERT established
- * National CERTs established in 7 PICTs
- * Increased awareness on cyber safety and security

Theme 6: Cybersecurity and ICT Applications



Targets	Status	Comments
Sustainable PacCERT established	No	PacCERT is not a sustainable operation
National CERTs established in 7 PICTs	Nil	
Increased awareness on cyber safety and security	Yes	Hands on training at PacNOG for network operators, ICANN LEA security training

Theme 6: Cybersecurity and ICT Applications



Countries	National CERT Established	Cyber Safety and Security Awareness
Cook	N	Y
Fiji	Planning	Y
FSM	N	Y
Kiribati	N	Y
Marshall	N	Y
Nauru	N	Y
New Caledonia	N	Y
Niue	N	Y
Palau	N	Y
PNG	N	Y
Samoa	Planning	Y
Solomon	N	Y
Tonga	Planning	Y
Tuvalu	N	Y
Vanuatu	Planning	Y

Theme 7: Financing, Monitoring and Evaluation



Expected Outcomes - A financial plan that captured all funds flowing into the region's ICT sector by funding source and implementation arrangements.

Objectives - A sustainable financing mechanism for the ICT sector with a comprehensive M&E framework.

Theme 7: Financing, Monitoring and Evaluation



Key Priorities:

1. Quality data and guidelines for better policy and effective monitoring and evaluation
 - * Support the establishment of a Regional ICT data e-portal
 - * Support the collection and sharing of national and regional ICT data and statistics

Theme 7: Financing, Monitoring and Evaluation



Key Priorities:

2. Financing

- * Assist in securing funding to support the implementation of national ICT policies and plans



Thank You!!!!