Country Report of **Myanmar**

Sub-regional Workshop
On
Strengthening ICT Policies and Applications to Achieve MDGs and WSIS Goals in Southeast Asia and the Pacific

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Brief about Myanmar

- Five Neighbor Countries

China

(North and North East)

India , Bangladesh

(West and North West)

Thailand and Laos

(East and South East)

MYANMAR (BURMA)
(RANGOON) YANGON
Mt. Hkakabo 5881m
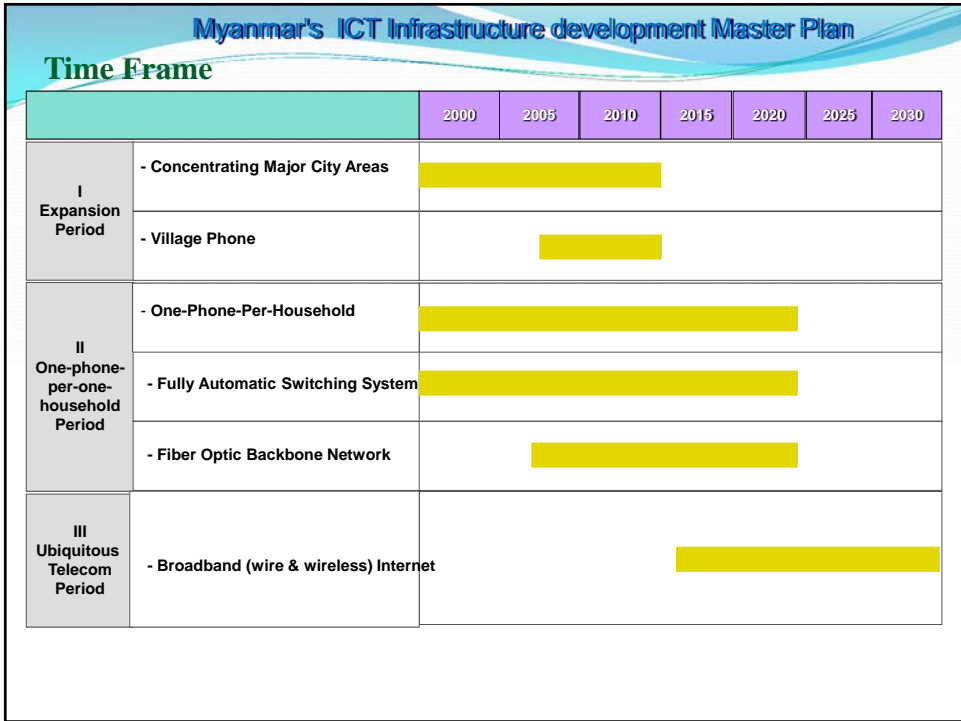
total land area of   **676,577** km2

50% of land is mountains and forests

Population 56.5 million and 70% are live in rural area

ICT Development in Myanmar

Before 1990 :   one Standard B earth station for International Link
Analogue Microwave system and open wire carrier system
13 digital switches and analogue cross bar switches

In 1990, Domestic satellite system (SCPC) was established for remote and border area.
In 1993, Cellular mobile phone system (Analogue APMS 800) was established.
In 1994, International and national electronic transit switch and the standard A satellite earth station was established.
In 1995, WLL radio telephone system was introduced.
In 1996, Digital AMPS cellular system and DECT radio telephone system were introduced.
In 1997, SEA-ME-WE 3 submarine cable system, X.25 e-mail system and CDMA cellular system were introduced.
In 1998, VAST system of domestic communication was established for remote and border area.
In 1999, dial-up access system for internet and e-mail was established.
In 2001, GSM cellular system was deployed.
In 2004, Advance communication project was launched and the project comprised IP satellite communication system, VoIP system, data communication system.
In 2005, ADSL and optical access system for internet and e-mail were established.
In 2006, new International and national electronic transit switch was established.
FTTP access system was introduced.
In 2007, Domestic satellite system (SCPC) was terminated.
GMS project was launched and the project comprised soft switch, trunk gateways, Access Gateways, IP metro network, CATV system, Digital switches, optical fiber transmission system, microwave transmission system .
In 2008, National Gateway for Internet and IXP was established. Myanmar-China cross border optical fiber link, Myanmar-Thailand cross border optical fiber link, Myanmar-India cross border optical fiber link was commissioned.
In 2009, WCDMA and McWill broadband wireless access system was introduced.

Myanmar's ICT Infrastructure development Master Plan

Time Frame

		2000	2005	2010	2015	2020	2025	2030
I Expansion Period	- Concentrating Major City Areas	███	███	███				
	- Village Phone		███	██				
II One-phone-per-one-household Period	- One-Phone-Per-Household	███	███	███	███			
	- Fully Automatic Switching System	███	███	███	███			
	- Fiber Optic Backbone Network		███	███	███			
III Ubiquitous Telecom Period	- Broadband (wire & wireless) Internet				███	███	███	███

Current ICT Status

Telephone	-	1,106,171
Telephone Density	-	1.95
Exchange		
Auto Exchange	-	302
Manual Exchange	-	600
Transit Exchange	-	9
International Exchange	-	2
Mobile Exchange	-	11
Mobile Station	-	364
Mobile System (GSM , WCDMA , CDMA , D-AMPS)		
Internet Service provider	-	2
Internet exchange point	-	1
Soft switch	-	1
Access Gateway	-	10
Trunk Gateway	-	2
Microwave Stations		
Digital	-	264
Analogue	-	15
Standard A Earth Stations (for International)	-	1
MPT Satellite Stations (for Domestic)	-	1512
VSAT Stations (for Domestic)	-	13
Cable Landing Station (for SEA-ME-WE 3)	-	1
Cross Border Optical Fiber Link	-	3

Current ICT Status

Telephone Density of states and divisions

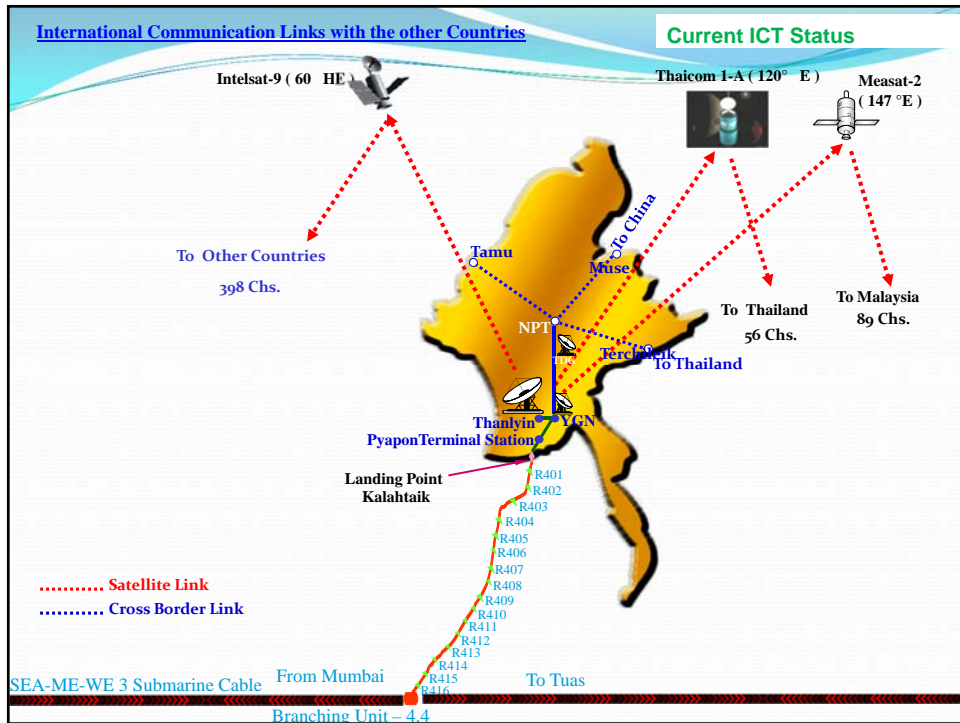| Sr	State and Division	Population	Line Capacity	Telephone Density
1	Nay Pyi Taw	973,505	15,790	1.62
2	Kachin State	1,511,165	35,074	2.32
3	KaYah State	335,961	4,428	1.32
4	Karen State	1,739,690	10,525	0.60
5	Chin State	533,047	6,880	1.29
6	Sagaing Division	6,274,055	40,913	0.65
7	ThaninTharri Division	1,631,874	26,897	1.65
8	Pegu Division	3,195,668	36,611	1.15
9	Pegu Division (west)	2,596,908	24,958	0.96
10	Magwe Division	5,392,446	37,684	0.70
11	Mandalay Division	7,088,203	200,672	2.83
12	Mon State	2,997,543	24,970	0.83
13	YaKhaing	3,183,331	24,670	0.77
14	Yangon Division	6,724,274	495,717	7.37
15	Shan State (South)	1,217,594	25,980	2.13
16	Shan State (North)	2,449,050	26,721	1.09
17	Shan State (East)	887,426	12,574	1.42
18	Irrawaddy Division	7,862,628	55,107	0.70
	Total	56,594,368	1,106,171	1.95

Current ICT Status

Mobile Telephone System deployment and coverage in Myanmar

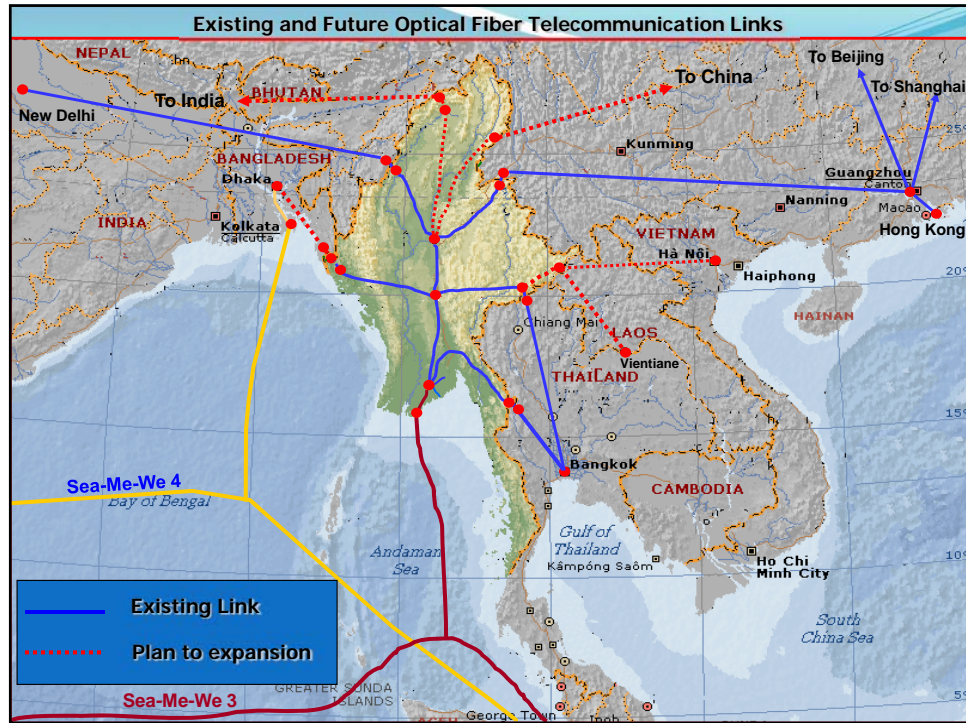|	System	No. of Town	No. of station	No. of users
	GSM ●	83	210	414,300
	WCDMA ●	1	14	28,000
	(CDMA 450) ●	79	89	127,450
	CDMA ●	6	24	35,000
	D-AMPS ●	14	27	38,400
	Total	183	364	643,150

Current ICT Status

Internet Services

MPT is a Government Organization and one of Internet Service Providers .
YDNP Company (Ya Da Nar Pone Company) is a Private Organization and also one of the Internet Service Provider.
Using access technologies:

Dial – up , ADSL , E1 Leased line   , FTTP , Satellite Terminal , Broadband wireless , WiMax

Internet users	**- 350,000**
E - mail	**- 64,230**
Web Hosting	**- 58**
IP Address Registration	**- 524**
Server Co-location	**- 21**
Domain Name Registration	**- 631**
Internet Backbone link	**- 1.13 Gbps**

MPT allow to do public access center to the private sector

Public Access Center   -   2500

PAC (Public Access Center)

- PACs were joint-ventured by Myanmar Info-Tech and local partners launched 16 sites on 2005 November 22.

- Initial phase launched 22-11-05, and up to March of 2009 there are more than 1000 PACs are registered.

- In the rural areas there are more then 1000 PACs can not register.

International Communication Links with the other Countries

Current ICT Status

Intelsat-9 (60   HE)

Thaicom 1-A (120° E)

Measat-2 (147 °E)

To Other Countries

398 Chs.

Tamu

Muse

To China

NPT

Terch link

To Thailand

To Thailand

56 Chs.

To Malaysia

89 Chs.

Thanlyin YGN

Pyapon Terminal Station

Landing Point Kalahtaik

R401
R402
R403
R404
R405
R406
R407
R408
R409
R410
R411
R412
R413
R414
R415
R416

.... Satellite Link
.... Cross Border Link

SEA-ME-WE 3 Submarine Cable

From Mumbai

To Tuas

Branching Unit – 4.4

Existing and Future Optical Fiber Telecommunication Links

Rural ICT Development in Myanmar

Using ICT as a tool for Rural development

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_8234