

Joint ITU-UNIDO Forum on Sustainable Conformity Assessment for Asia-Pacific Region

**(Yangon City, Republic of Union of Myanmar
25-27 November 2013)**



ICT Standardization in Bhutan

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Yangon, Myanmar, 25-27 November 2013



Content

- Introduction to Bhutan
- Gross National Happiness & ICT
- Current status of ICT in Bhutan
- Bodies & Regulators
- Existing Legal Framework
- Issues & Challenges
- eGIF: A Case Study
- eGif : Architect
- eGif: Portal

Bhutan

- Government – Constitutional Monarchy
- Land area – 38,000 Sqkm;
- Religion: Buddhism
- Population – 672,000 (2005),
Language - dzongkha,
sharchop & others
- Location - Himalayas ~ North :
China & South : India
- Climate - Four seasons tropical
south, temperate north &
central
- Economy - Hydropower,
Tourism & Agriculture



The King



The PM

Map of Asia



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Bhutan contd..

- Location - Himalayas
- North of India & South of China
- Climate - Four seasons
- Tropical South, Temperate North & Central
- Economy - Hydropower, Tourism & Agriculture



Gross National Happiness & ICT



GROSS NATIONAL HAPPINESS

Balanced & Socio Economics Development

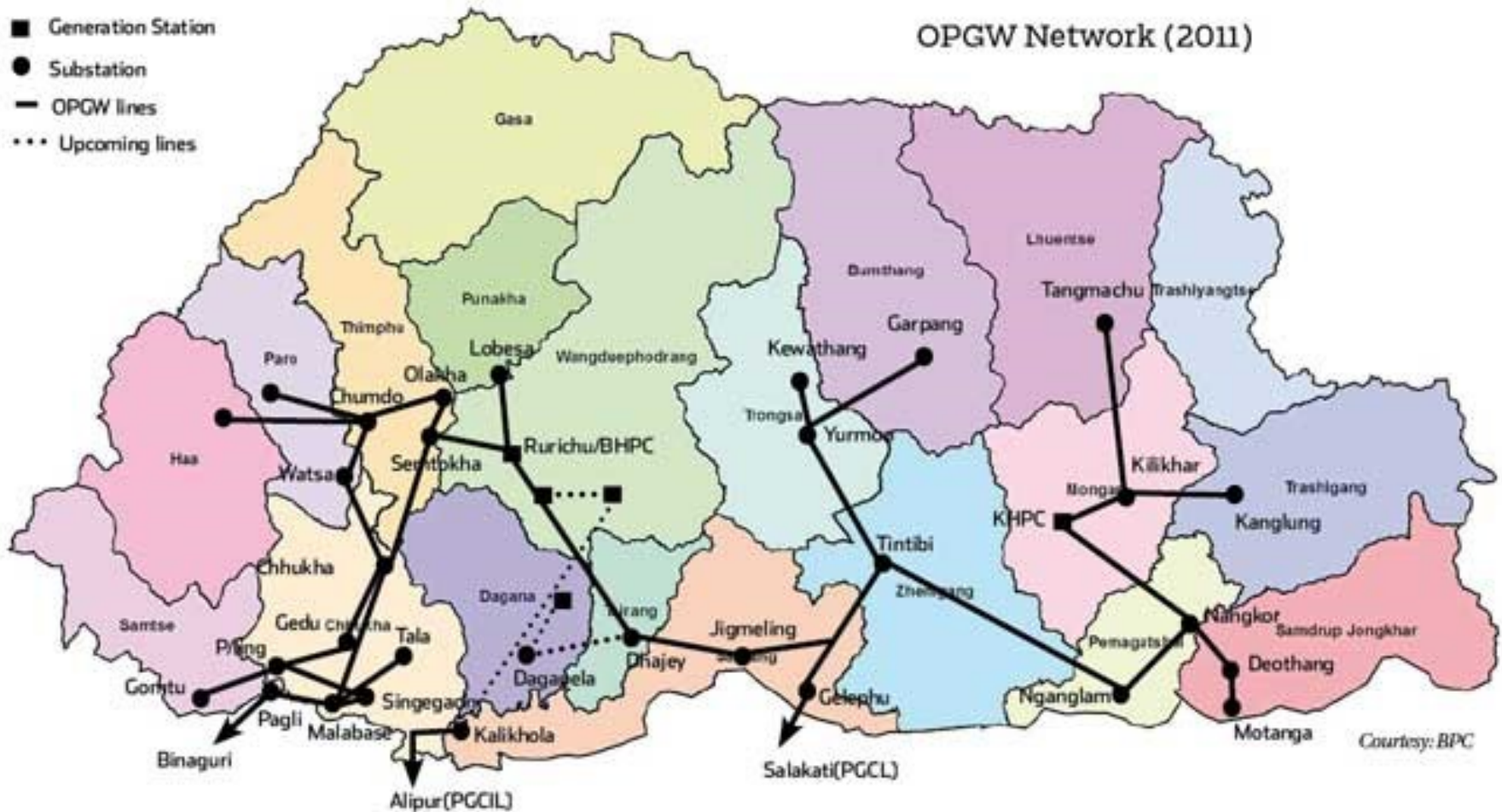
Good Governance

Conservation of Natural Environment

Preservation & Promotion of Cultural Values



Network Status



Bodies & Regulators

- Ministry of Information & Communications + Department of Information Technology & Telecommunications
- Bhutan Information, Communications and Media Authority
- Bhutan Standards Bureau

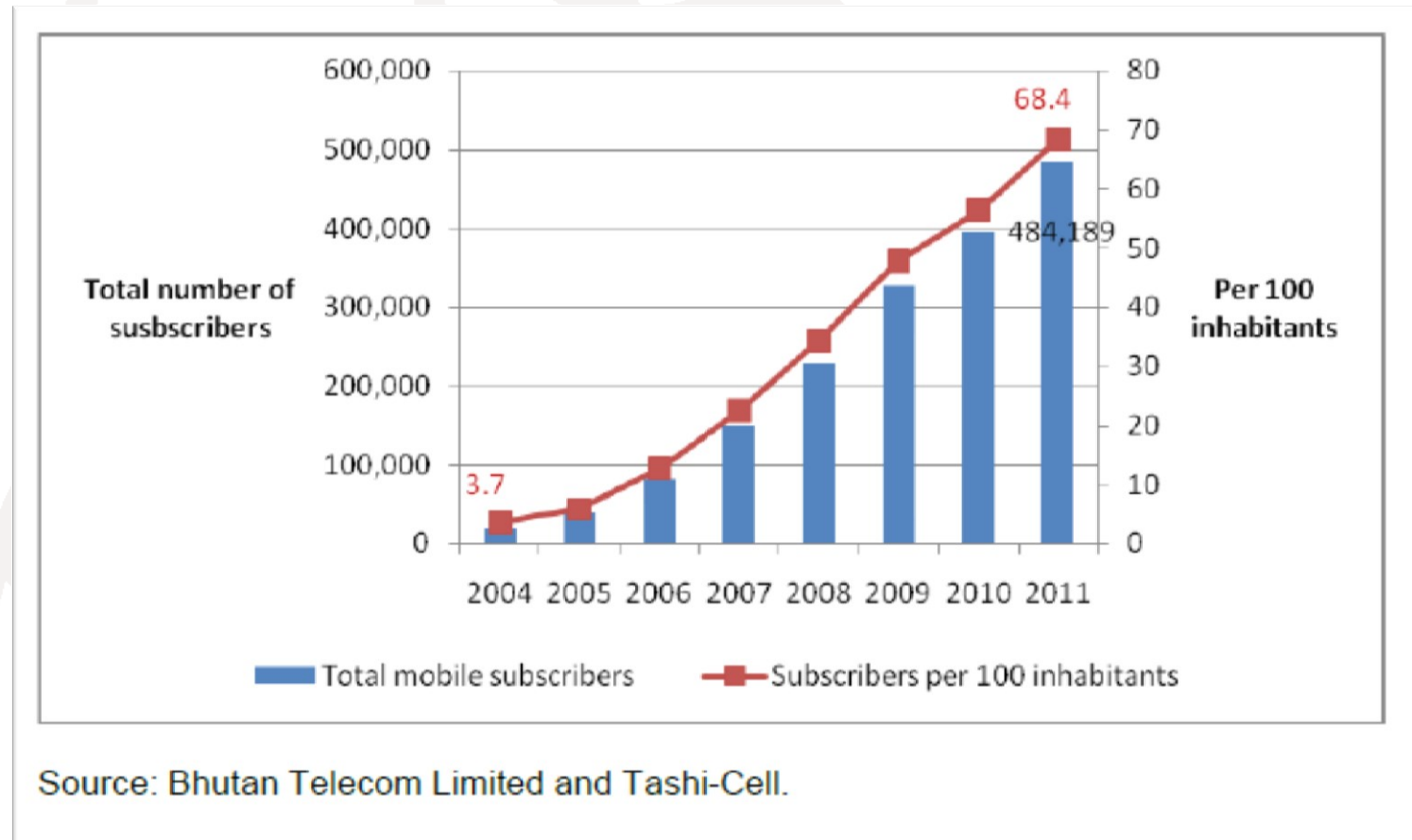


Existing Legal Framework

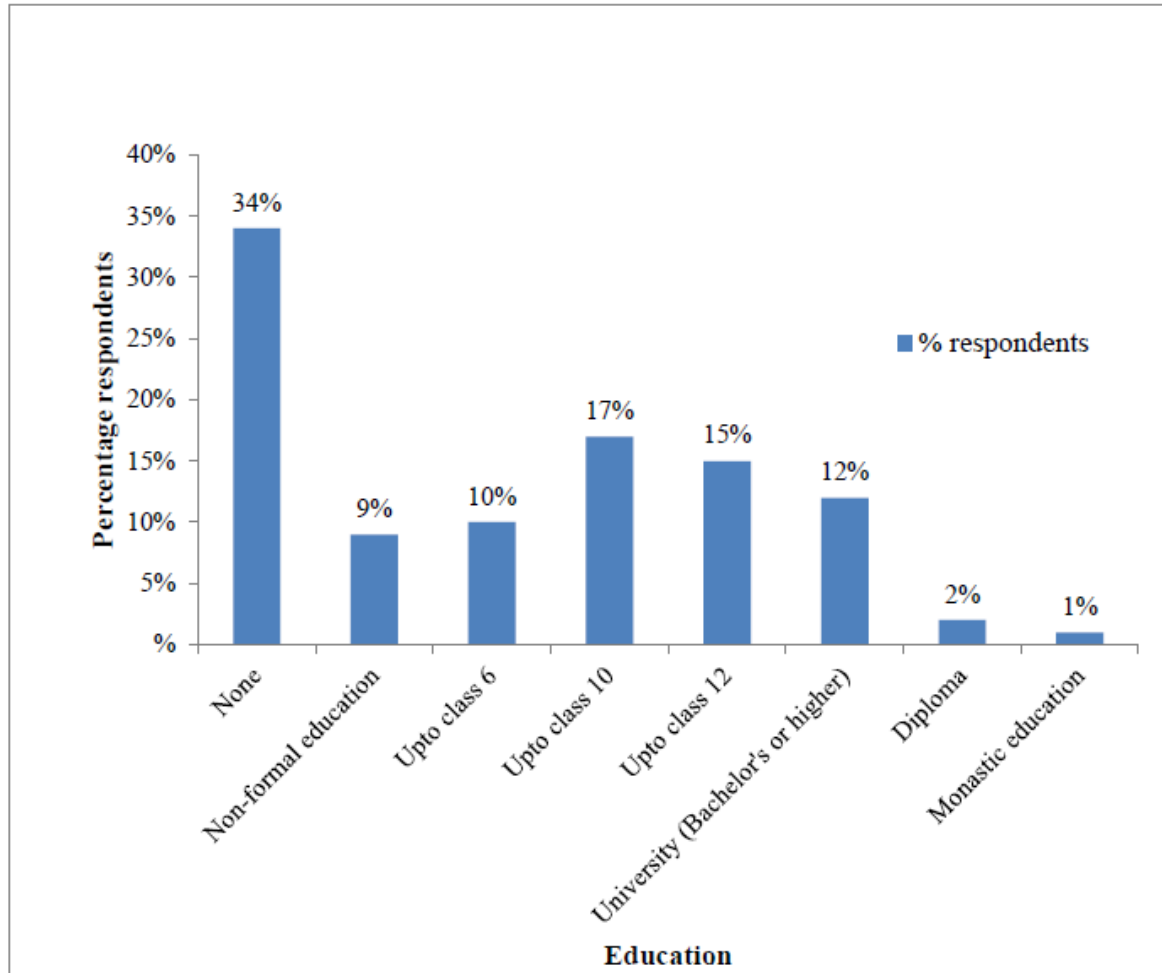
- Bhutan Telecommunications Act (2000)
- Bhutan Information Communications and Media Act (2006)
- Bhutan Standards Act (2010)
- Bhutan Telecommunication & Broadband Policy

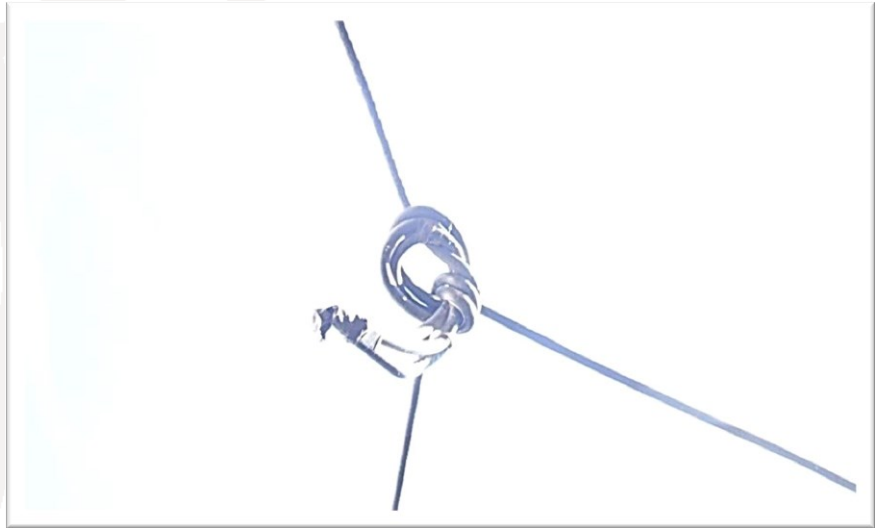


Issues & Challenges



Issues & Challenges





Issues & Challenges

Science makes good Slave but a bad master

- Bandwidth
- Speed
- Support
- Quality
- Implementation



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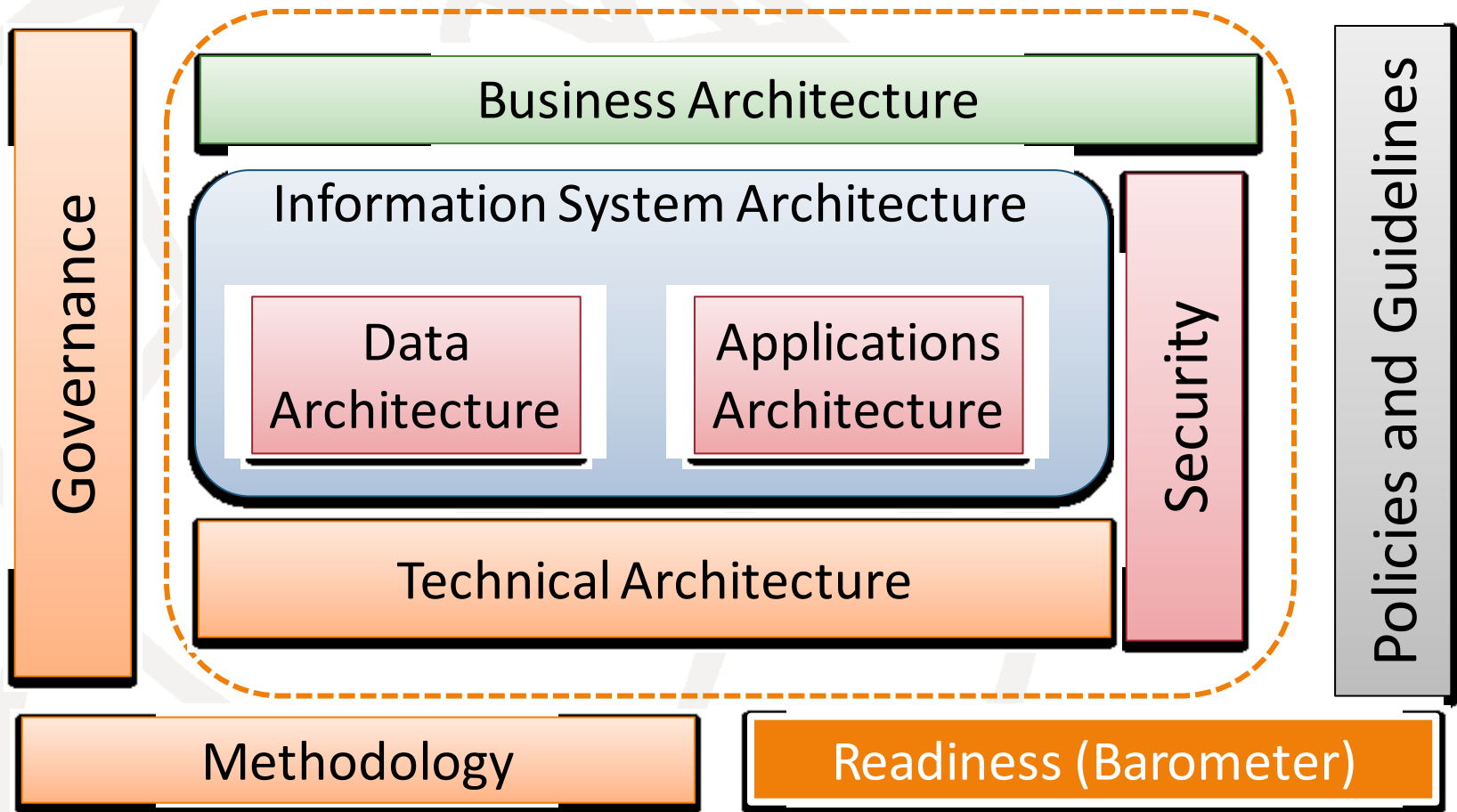


eGIF : A Case Study

"Electronic Government Interoperability Framework"


Framework (mechanism) to help define standards for government agencies to integrate and interoperate.

eGif Architecture



E-GIF Portal

- List of Lines of Business, Government functions and Services of the government;
- List of existing Applications and Components across the government;
- List of Identified common data (People data, Business data), recommended data standards, code tables and naming conventions among others; and
- List of Technology(Network, servers, development platforms) with status, Common services and Best practices



**Thank you,
Any Qs..**