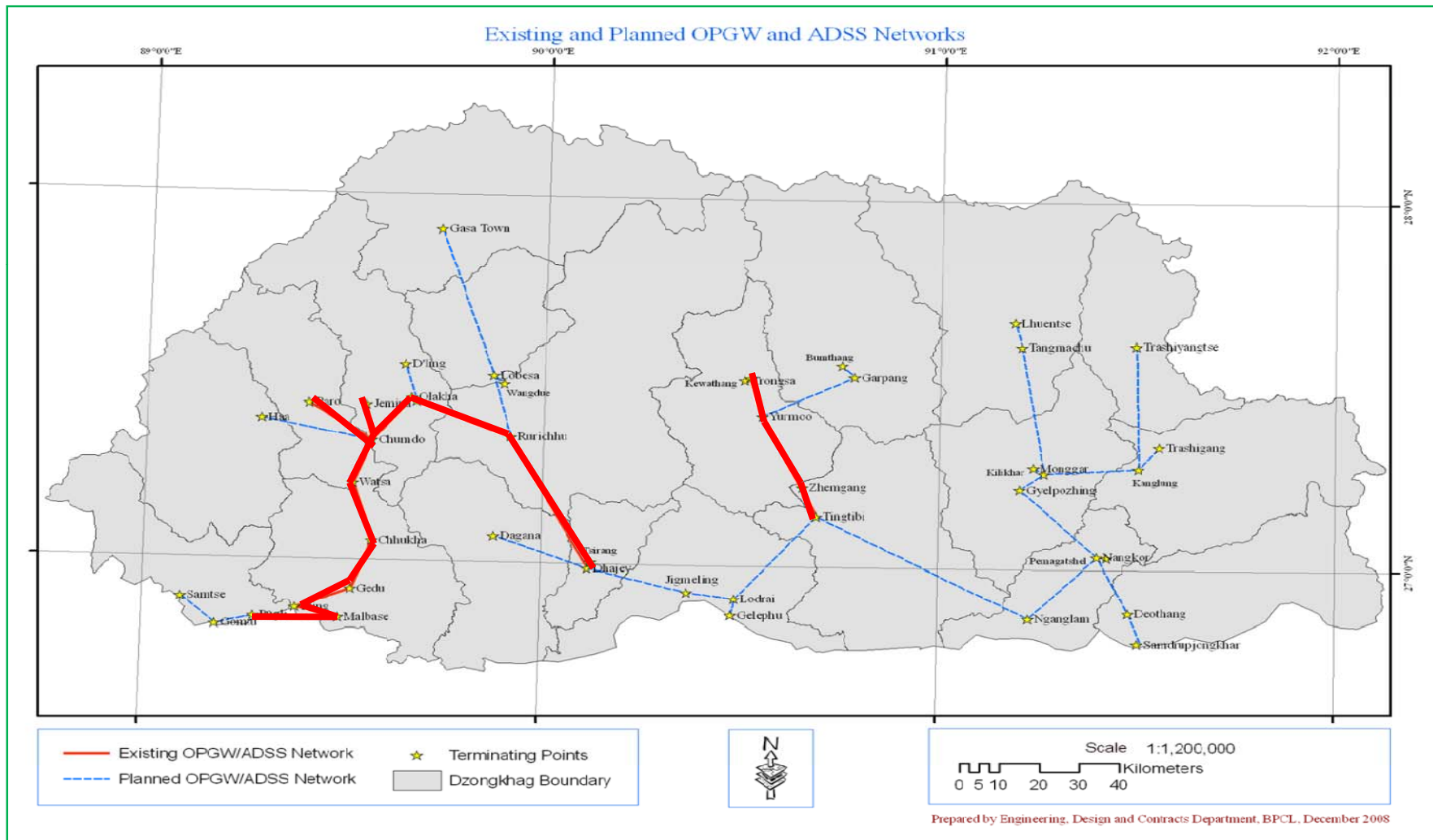


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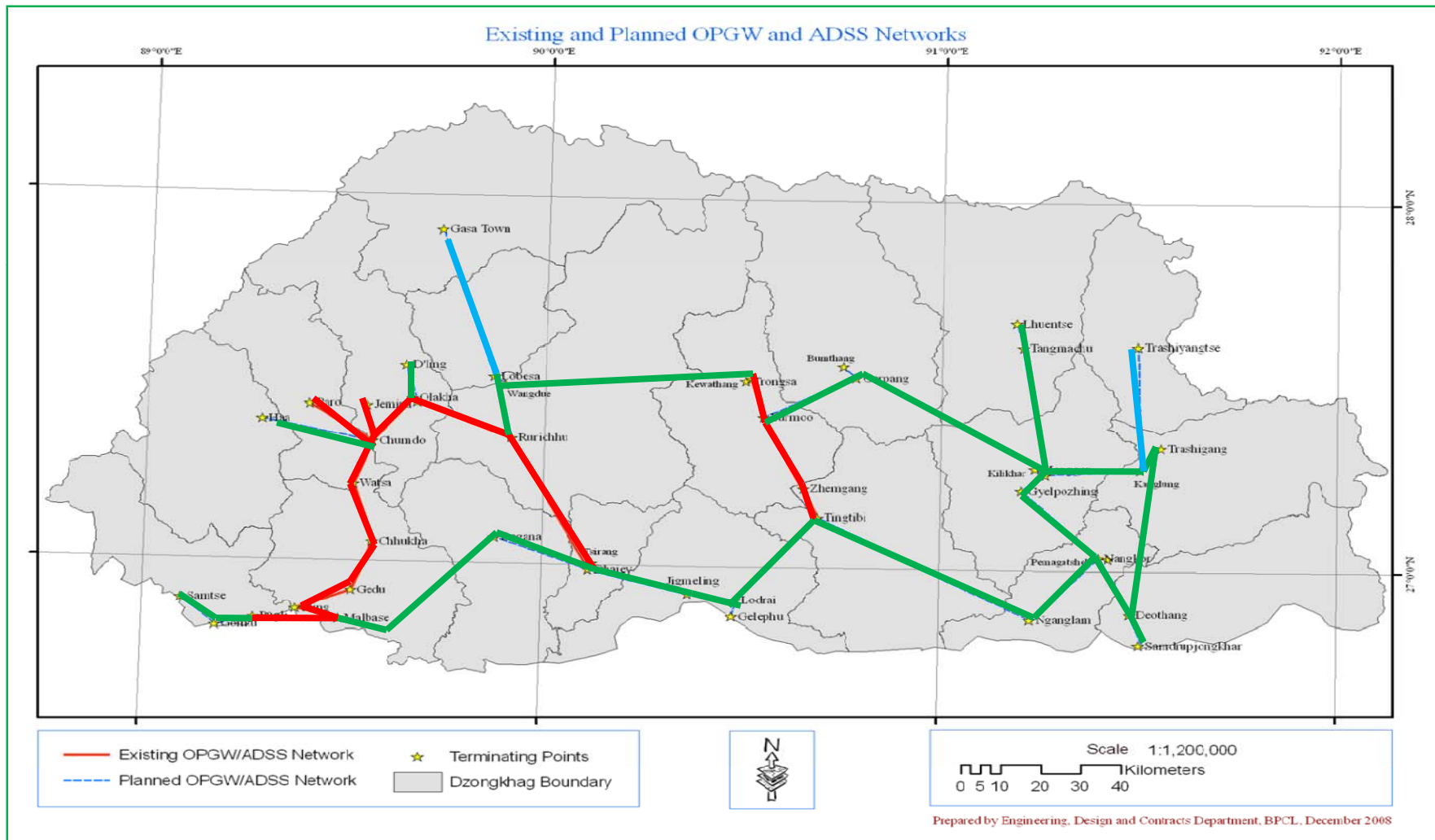
- Fiber Optics Network
- International Connectivity
- E-Government Infrastructure
- Information Management & Security Policy for RGoB.

Existing Fiber Network



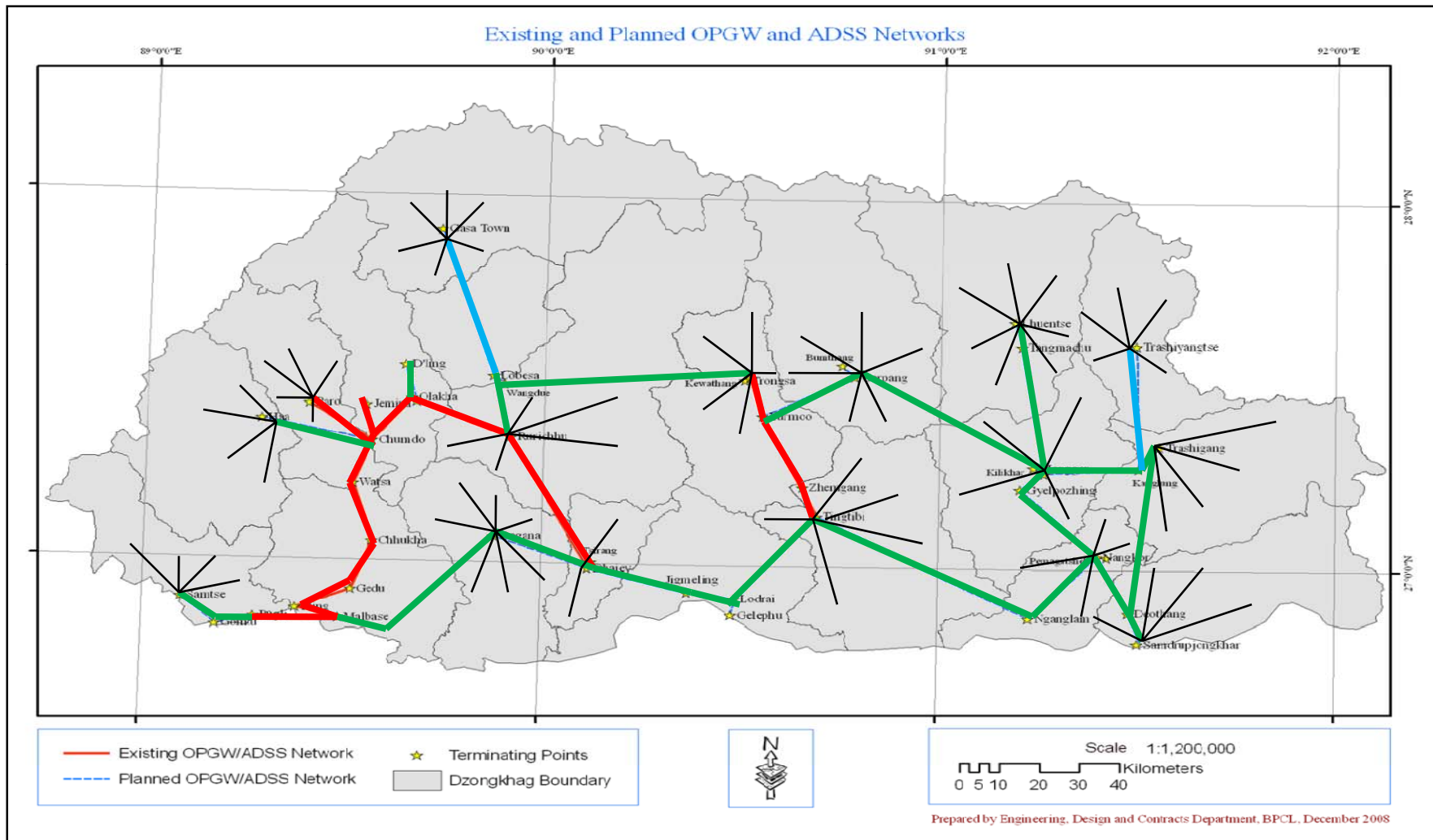
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New Fiber Network



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New Fiber Network

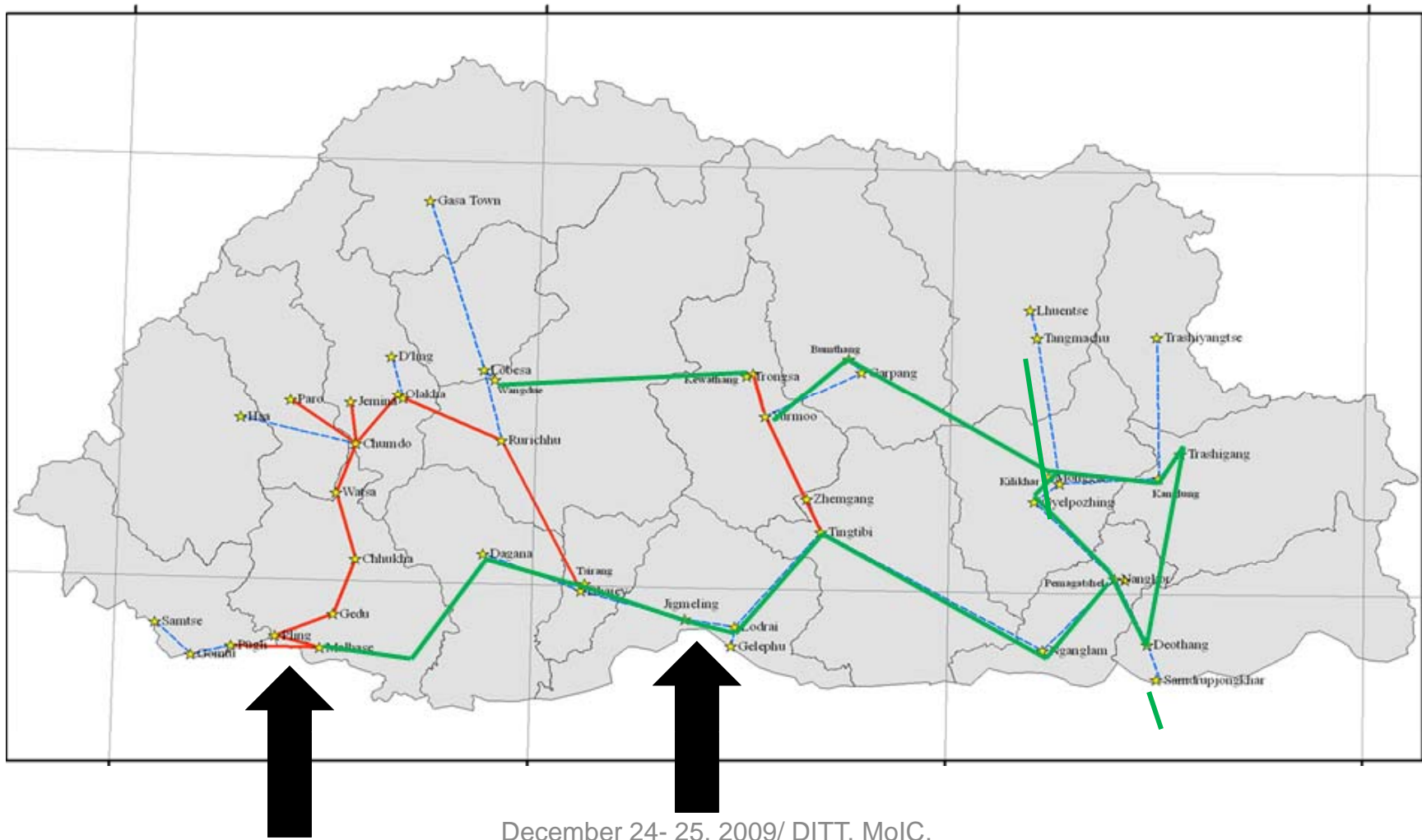


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Modus Operandi

- Design and scope determined by DITT, MoIC.
- Implementation done by BPC.

International Connectivity

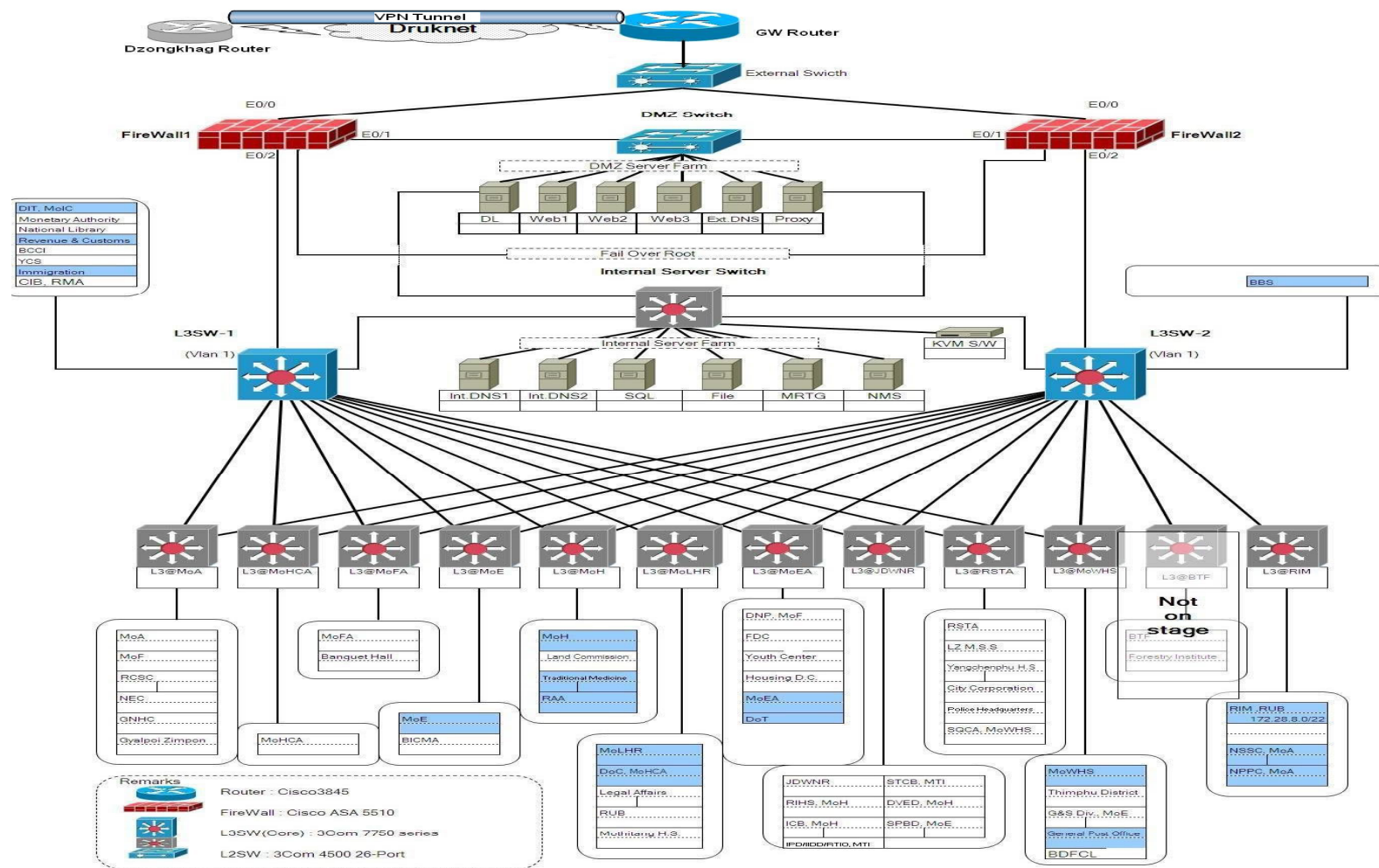


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E-Government Infrastructure

- 75 organisations are currently connected to TWAN
- Network used for web, mail, ftp services and any online services.
- Very fast, secure and reliable
- 20 Dzongkhags connected to TWAN by VPN

TWAN Schematic



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Information Management and Security Policy for RGoB

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Progress of ICT use in the RGoB

- All 10 Ministries and 20 Dzongkhags Administrations have LANs connected to the Internet.
- Ministries and departments including corporations in Thimphu connected by Thimphu Wide Area Network
- Websites (Ministries 10, 47 Departments, 29 Autonomous Agencies, 20 Dzongkhags)
- More than 33 Application Systems, more being developed and planned

What does all these mean?

- More and more data and information put into computer systems
- More dependence on ICT and related systems to perform (computer systems, networks and the Internet)
- Cost of failure will be high
- Contend inherent threats facing the age of information systems and the Internet

The Need for Information & Security Policy

- As ICT systems penetrate wider and deeper into RGoB functioning, and as dependence on them increases even more :
 - Status quo will be unacceptable
 - Posses huge risk to our ICT assets and systems
 - Jeopardize operations & Services
- ***Institution of a Systematic approach to information security in the RGoB paramount***

IMSP:Scope

- All government agencies (Ministries and Autonomous Agencies)
- Individual Ministries and organizations need to customize to make it appropriate for their individual situation
- Can also be adopted by any other organization besides the government
- Government (MoIC) to promote outside the government as well

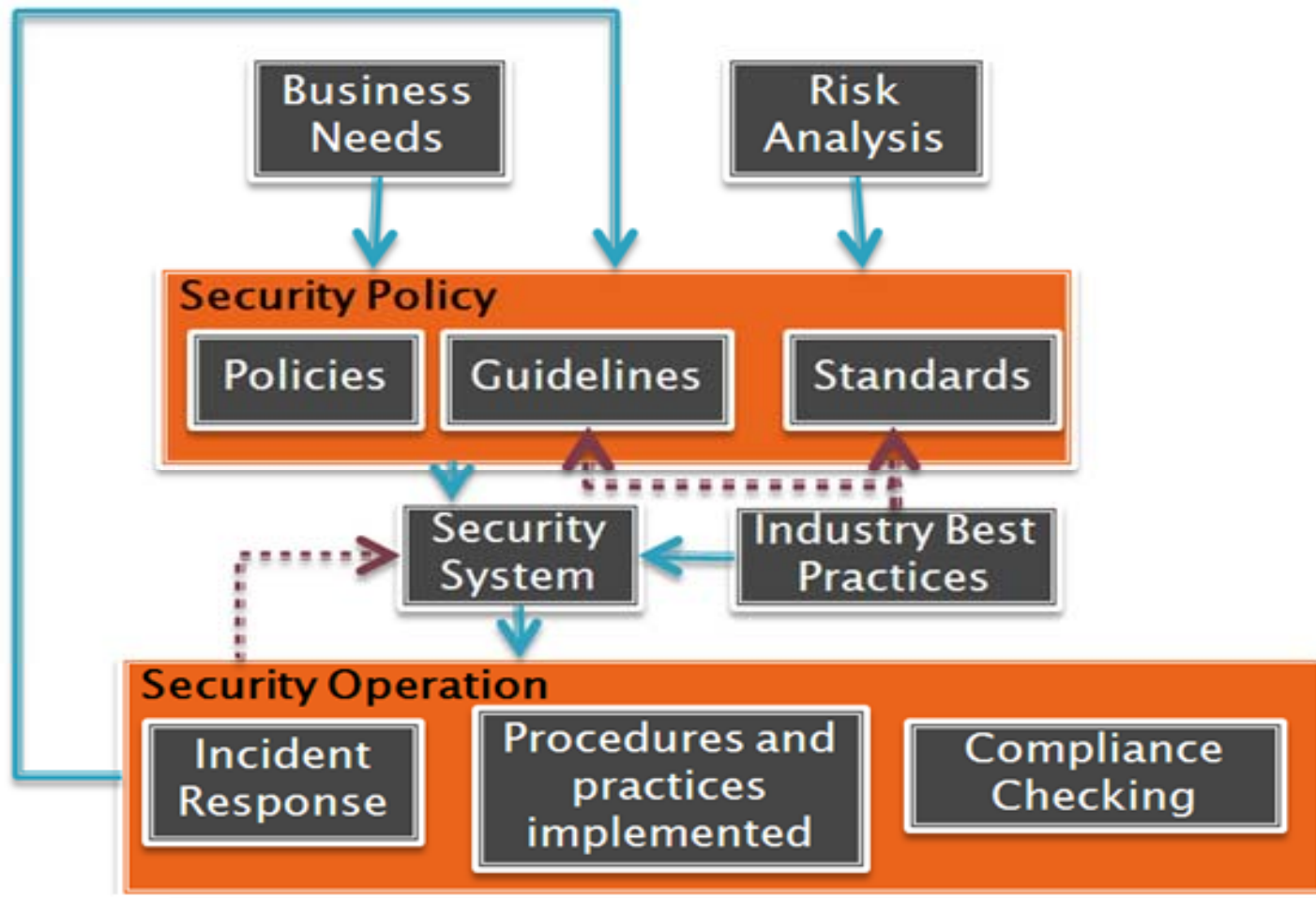
IMSP: Institutional Setup

- Government Level
 - Information Security Working Group
 - Comprised from different organizations
 - Technical and management
 - Review and Amendments to IMSP
 - Communication to IST
 - Monitor and oversight of implementation
- Organization Level
 - Information Security Team (IST)
 - Implementation of IMSP in individual organizations
 - Mix of technical and management (more managerial)
 - Hon'ble Secretaries should head
 - Review and amendments to IMSP (organization's)
 - Communication to Working Group
 - Monitor and oversight of implementation
- DIT's (MoIC) Role
 - Coordinate Working Group
 - Provide support
 - Trainings

IMSP: Contents

1. Organisational Structure
2. Risk Assessment & Treatment
3. Organisation of Information Security
4. Asset Management
5. Human Resources Security
6. Physical & Environmental Security
7. Communication & Operation Management
8. Access Control Policy
9. Information System acquisition, development & maintenance
10. Information Security Incident Management
11. Business Continuity Management
12. Information Security Compliance

Information Security Life Cycle



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Tashi Delek

Q & A

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