



ICT SECTOR REFORM BLUEPRINT 2020 - 2022

MINISTRY FOR COMMUNICATION AND ENERGY

STRATEGIC DIRECTION

Vision:

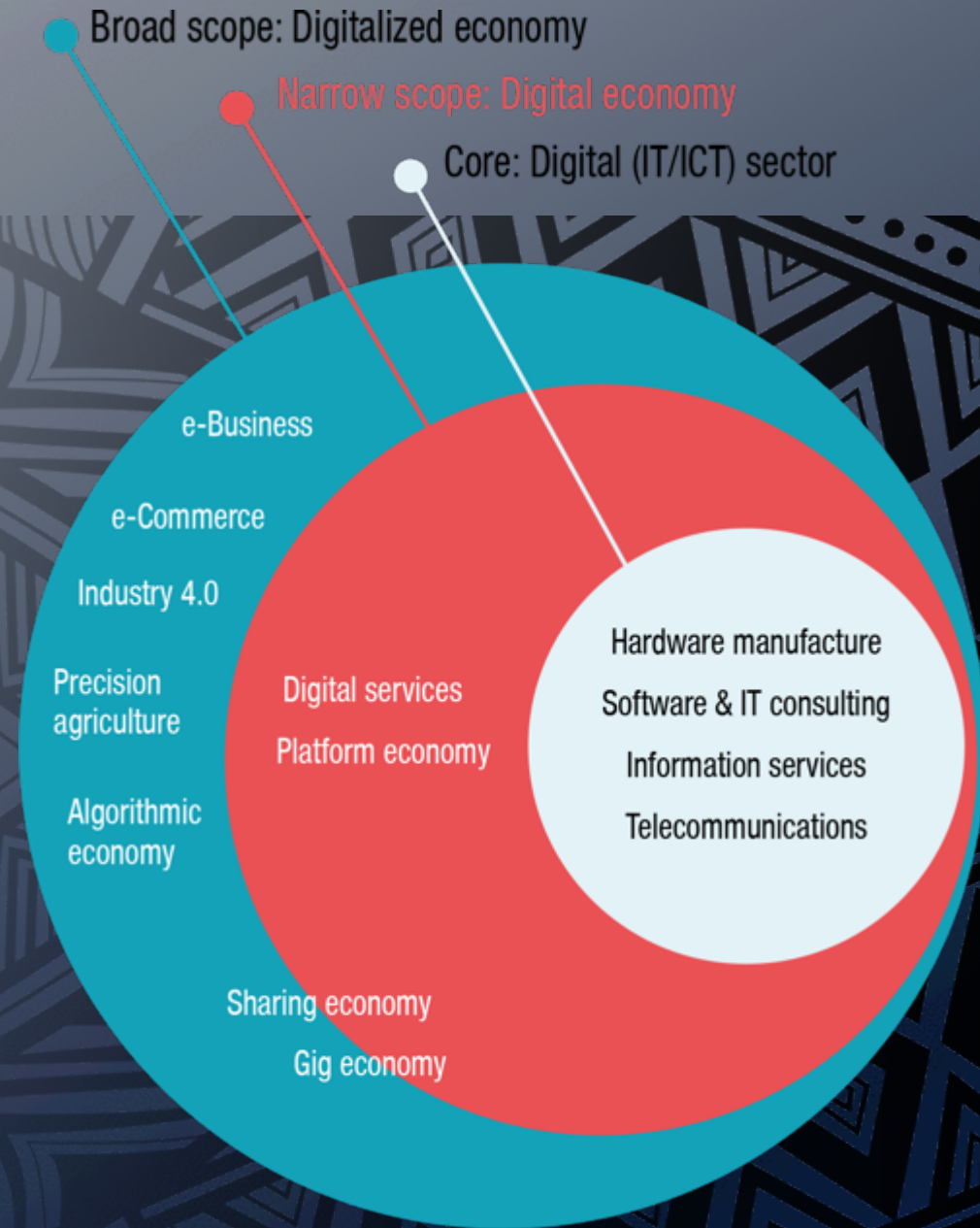
To be a digitally ready Government and a digitally serviced society.

Mission:

To establish and promulgate PNG's digital economy.



LAYERS OF THE DIGITAL ECONOMY— STRATEGIC APPROACH



A regulating body will be established to vet and ensure compliance with ICT Standards. This board will have the following roles and capabilities:

- Approve ICT Standards;
- Ensure that the standards are reviewed regularly and are up-to-date with appropriate international standards;
- Ensure that all Government agencies sufficiently comply with Standards;
- Refer ICT Heads to Departmental Heads for non-compliance;
- Refer Departmental Heads to Public Service Commission for non-compliance; and
- Facilitate regular audits on the National Data Center.

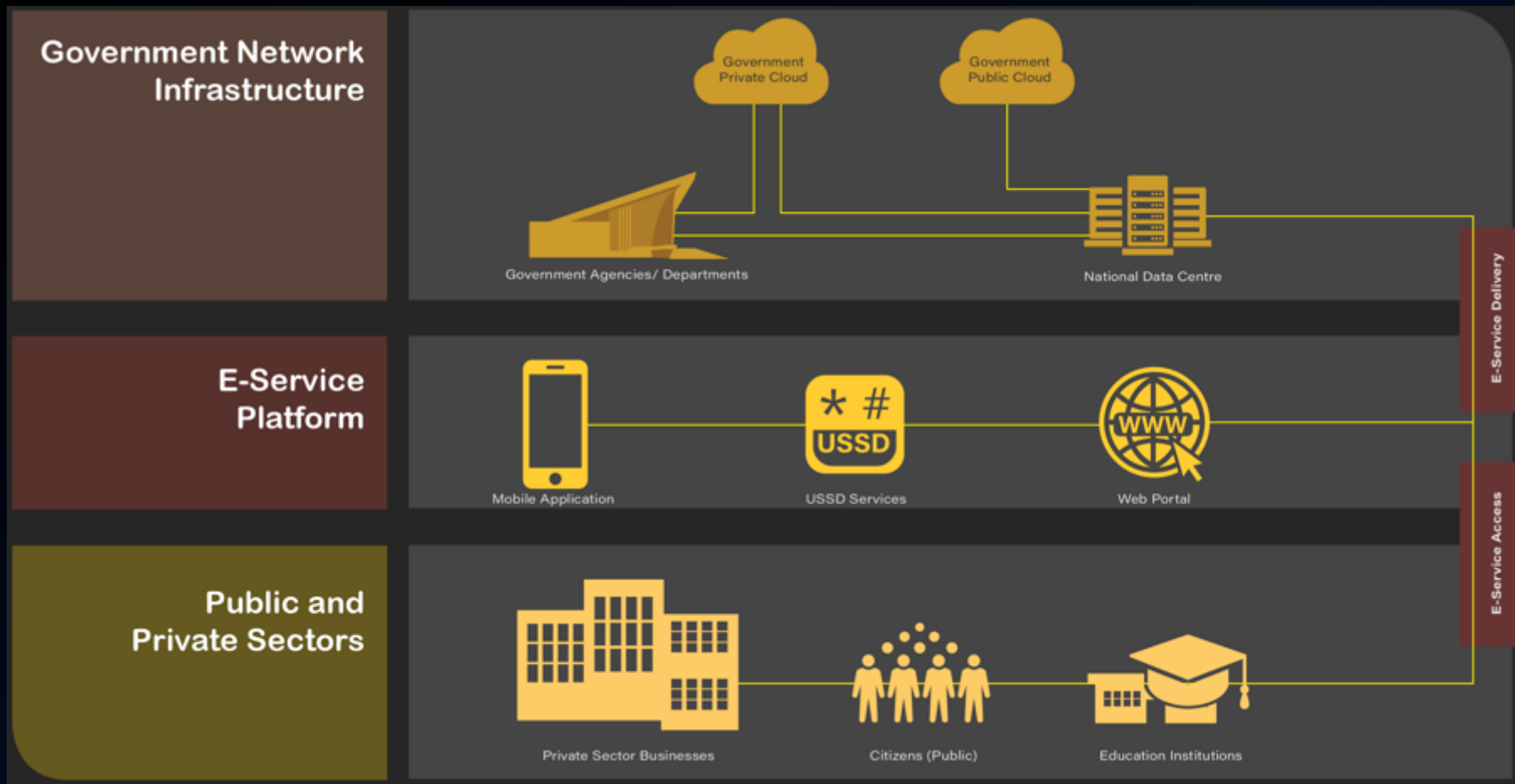
Policy Objective 1

***ENSURE ALL PUBLIC STATUTORY BODIES
ARE 'DIGITALLY READY' BY 2022.***

Objective 2

*INTRODUCE PHASE 1 OF THE
EGOVERNMENT SYSTEM (EGS)
AND ASSOCIATED DIGITAL
SERVICES BY MID 2020.*





Policy Objective 2

INTRODUCE PHASE 1 OF THE EGOVERNMENT SYSTEM (EGS) AND ASSOCIATED DIGITAL SERVICES BY MID 2020.

DICTDI will set up and manage coordinated and cooperative procurement initiatives for digital products and services on behalf of Government use.

DICTDI will identify key suppliers of digital products and services and elevate their status as preferred ICT suppliers for government agencies.

Products and services include:

- Telecommunications and Internet Services;
- ICT Hardware and Mobile Devices;
- Data Centre and Cloud solutions; and
- Software

Policy Objective 3

***STANDARDIZE AND RATIONALIZE ON ALL
PURCHASES OF GENERAL USE ICT PRODUCTS
AND SERVICES BY PUBLIC STATUTORY
BODIES.***

Develop Volume Strategy

- Introduce Digital Government Services
- Incentivise and Promote Local Digital Content
- Increase reach through UAS Levy and Projects
- Regulate balance of Local and Foreign Digital Content

Develop Infrastructure Master Plan

- Increase reach of SOE Telco Retail through NBN Phase 2
- Increase reach to rural areas through UAS Levy and Projects

Policy Objective 4 & 5

DROP WHOLESALE COST OF INTERNET SERVICE BY 75 PERCENT BY END 2020 WHILE AT THE SAME TIME INCREASING EFFICIENCY OF INTERNET SERVICE.

INCREASE INTERNET PENETRATION IN FIXED LINE AND MOBILE CONNECTIVITY TO 90 PERCENT POPULATION COVERAGE BY 2022.



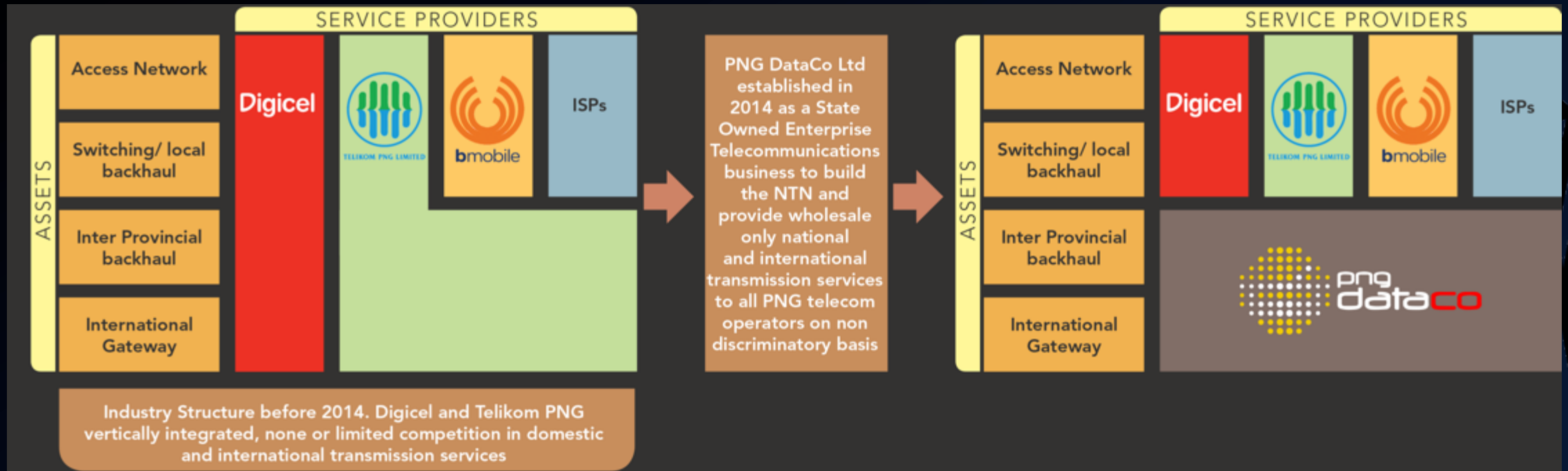
Pricing
(20%)



Volume
(40%)



WHOLESALE VOLUME-PRICING STRATEGY



**MAKE PNG DATACO THE MAIN
INTERNATIONAL GATEWAY AND
INTERPROVINCIAL BACKHAUL**

- Oblige the sharing of infrastructure;
- Enable mobile number portability;
- Enable domestic roaming;

Policy Objective 6

*ENABLE EFFECTIVE HEALTHY COMPETITION
WITHIN THE TELCO INDUSTRY THROUGH
EFFECTIVE REGULATION.*

Reform Process

Legislation

- Formulation of Digital Government Act 2020
- Review and formulation of National ICT Act 2020
- Formulation of Kumul Telikom Holdings Act 2020

Structure

- Reform Government Structures to enable required delivery of programs and services.

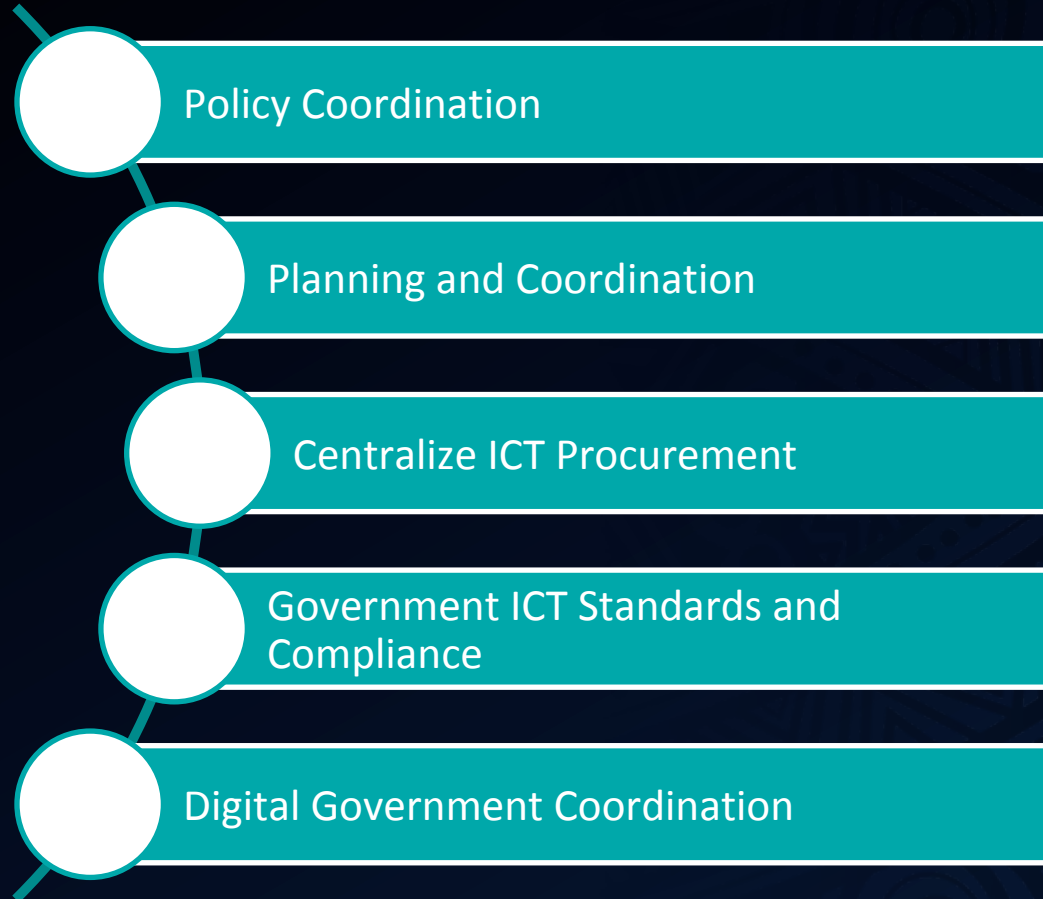
Infrastructure

- Ensure connectivity through National Transmission Network, National Broadband Network, Integrated Government Information System, Internet Exchange Points, Kumul Satellite 1

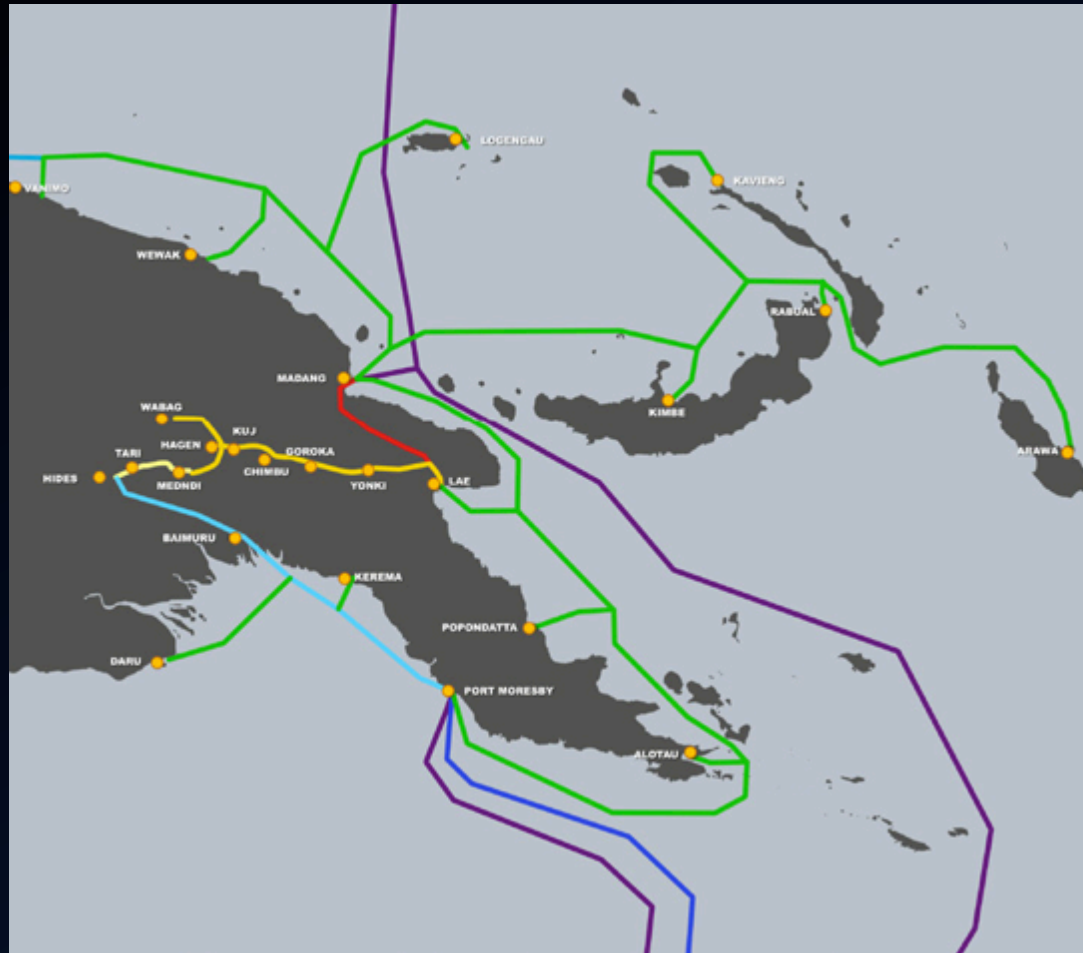
Application

- Enable Data Sharing, Data Centralization, and ensure Data Security (INIT)
- Develop eGovernment System
- Develop Government Communications System

PROPOSED POLICY FUNCTIONS OF NATIONAL GOVERNMENT



THE NATIONAL TRANSMISSION NETWORK



- LNG FIBRE (*Existing*)
- HIGHLANDS AERIAL FIBRE (*Existing*)
- LAE - MAG OPGW (*Existing*)
- Missing Link (*Proposed*)
- INTERNATIONAL CABLE (*Existing*)
- INTERNATIONAL CABLE (*Proposed*)
- KUMUL SUBMARINE CABLE NETWORK