Country Presentation – Papua New Guinea

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NICTA

Introduction

- Profile of PNG
- Market Overview
- ICT Market at a Glance
- Policy Reforms
- ICT Legislation
- NICTA Structure
- Background – PNG and Satellite Filing
- Need for Satellite Communication
- Issues and Challenges

Profile of PNG

- Population – 7.9 mil
- Area – 462, 000 sq.km
- 820 languages:
- Official Languages – English, Tok-Pisin, Hiri-Motu
- Government System – Westminster
- Resources – Gold, Gas, Oil, Fisheries,

Market Overview

Fixed-line	• Telikom PNG
Mobile	• B-Mobile • Digicel (PNG) • Telikom PNG
ISP	• Daltron • Datec • DataNets • Global Technologies

- Market penetration rates
  - Fixed-line penetration: 2%
  - Internet Users : 10.3%
  - Mobile: 50%
- Mobile subscribers: 3 mill
- Satellite Usage:
  - NSS-5&6
  - IS-701, PAS-8/IS-8
  - Optus A2
  - 03B
- Submarine Cable
  - APNG-2
  - PPIC

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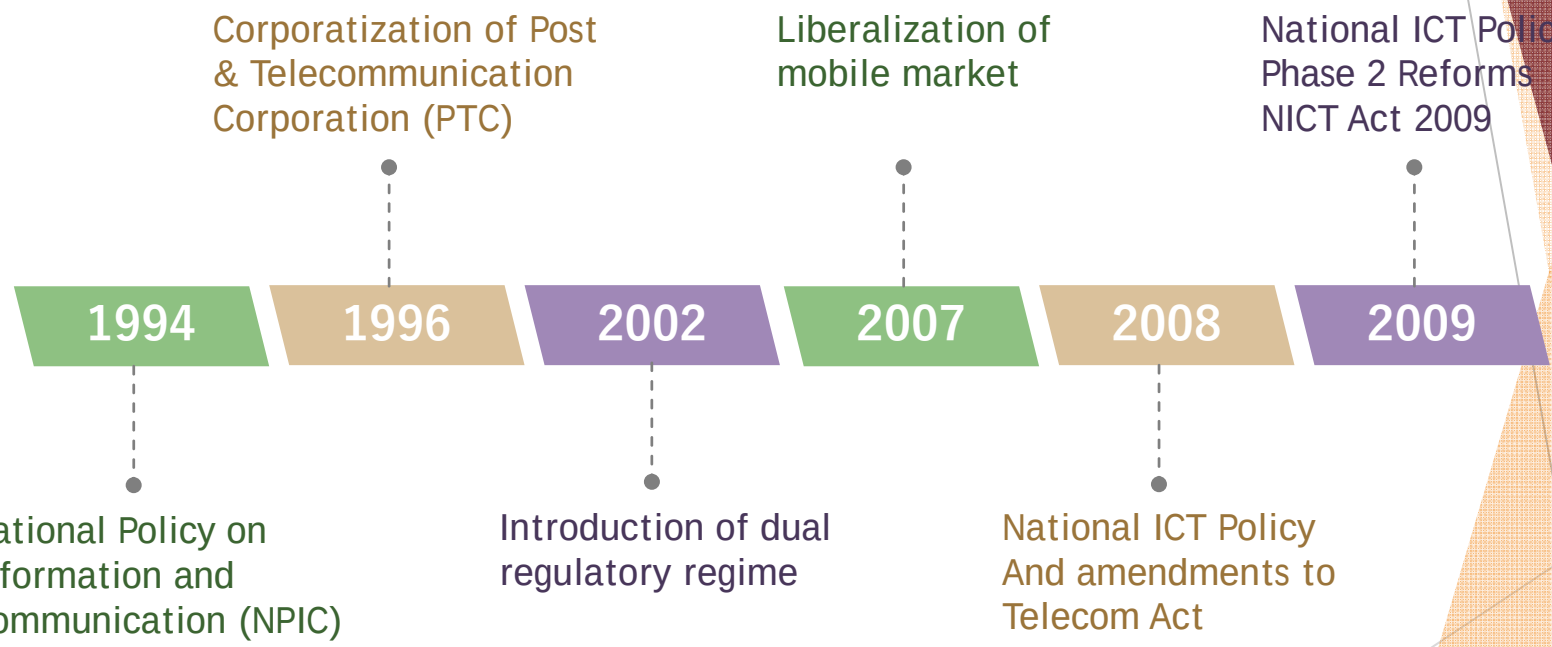
ICT Market at a Glance

Fixed Line	Mobile	Television	ISPs
TELIKOM PNG LIMITED	Digicel PNG's Bigger, Better Network. / TELIKOM PNG LIMITED / bmobile / vodafone	EM TV / NBC	22

Gateway Providers	Radio	Pay TV
18	9	tvWAN / CLICK TV

Policy Reforms



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ICT Legislation

National Information and Communications Technology Act 2009

- Operator Licensing Regulations 2010
- Radio Spectrum Regulations 2010
- UAS Rules and Regulations (yet to be approved)
- Cybercrime Regulations (in drafting)
- SIM Registration

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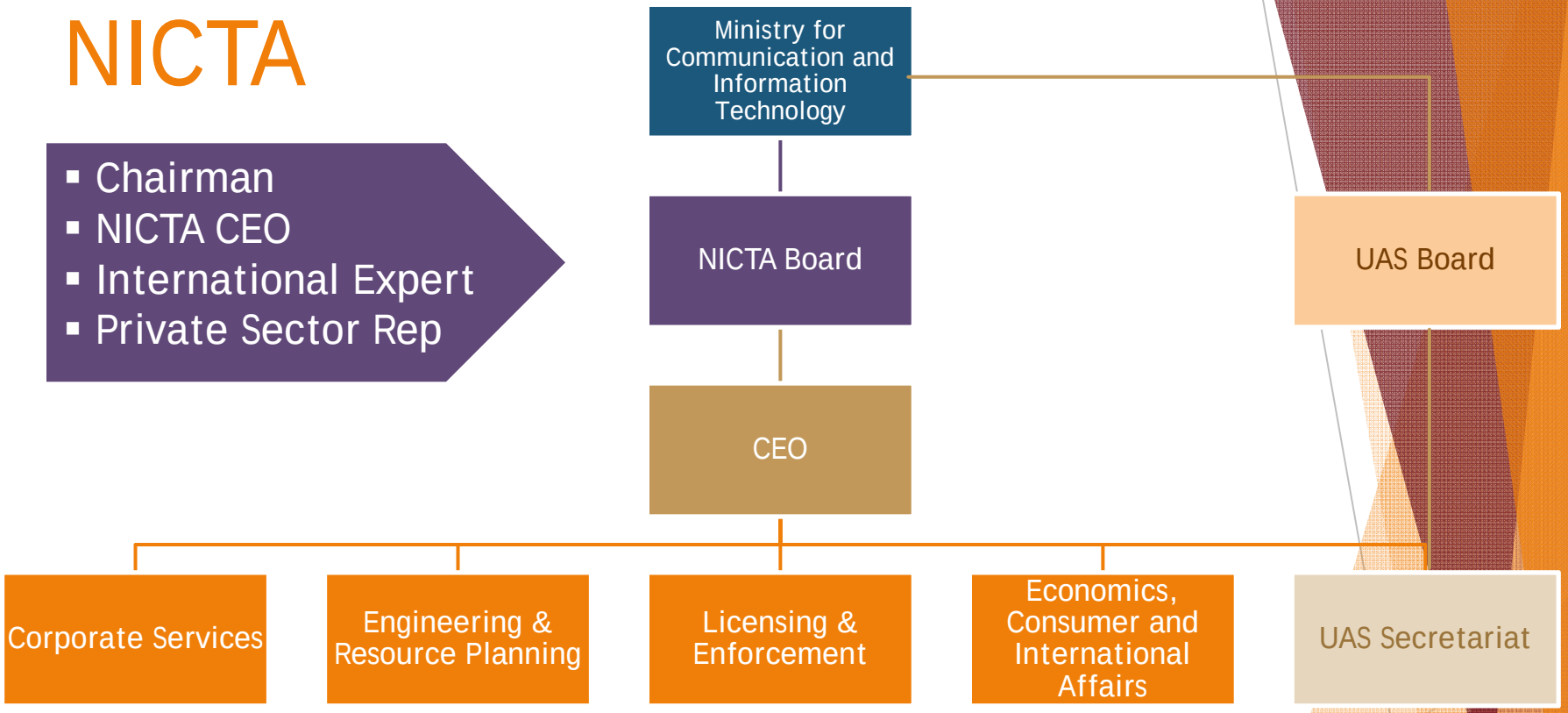
- Chairman
- NICTA CEO
- International Expert
- Private Sector Rep



- Regulator
- Licensing Authority
- Government Representative
- 70 staff

Background – PNG and Satellite Filing

1980

- Pacific Star Project
- PTC filed for Pacstar-1 & 2 (167.45E & -175)

1996

PTC engaged Loral Skynet
Pacstar-3 & 4
Pacstar –L1 – L4 (98E, 122E, 130E, 121W)

1997

- PTC was corporatized
- PANGTEL was established
- Logohu-V series were filed

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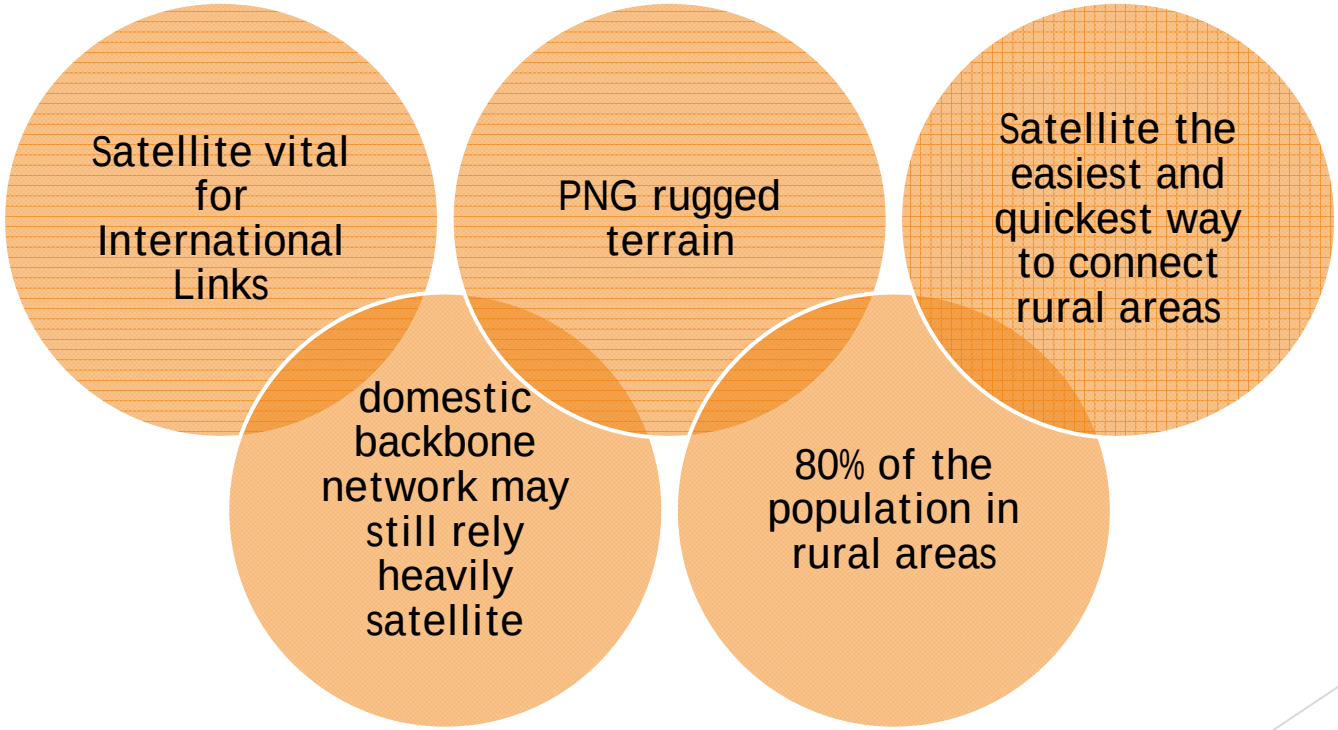
Background – PNG and Satellite Filing

2003
- Pacstar-L4 (Telstar-13) was brought into use

2005
- PANGTEL filed for New Dawn series

2009
- PANGTEL filed Pacifisat & Raggiana Series

Need for Satellite Communication



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Satellite Pilot Project

Rural Internet Connectivity System (RICS)

- Project Commenced in 2009
- Joint Funding SPC & AusAid
- 8 pilot sites
- Vsat Technology
- Installed in Schools & Church run community centres.
- 3 currently operational (Minj, Ulagunan, Monoitu)

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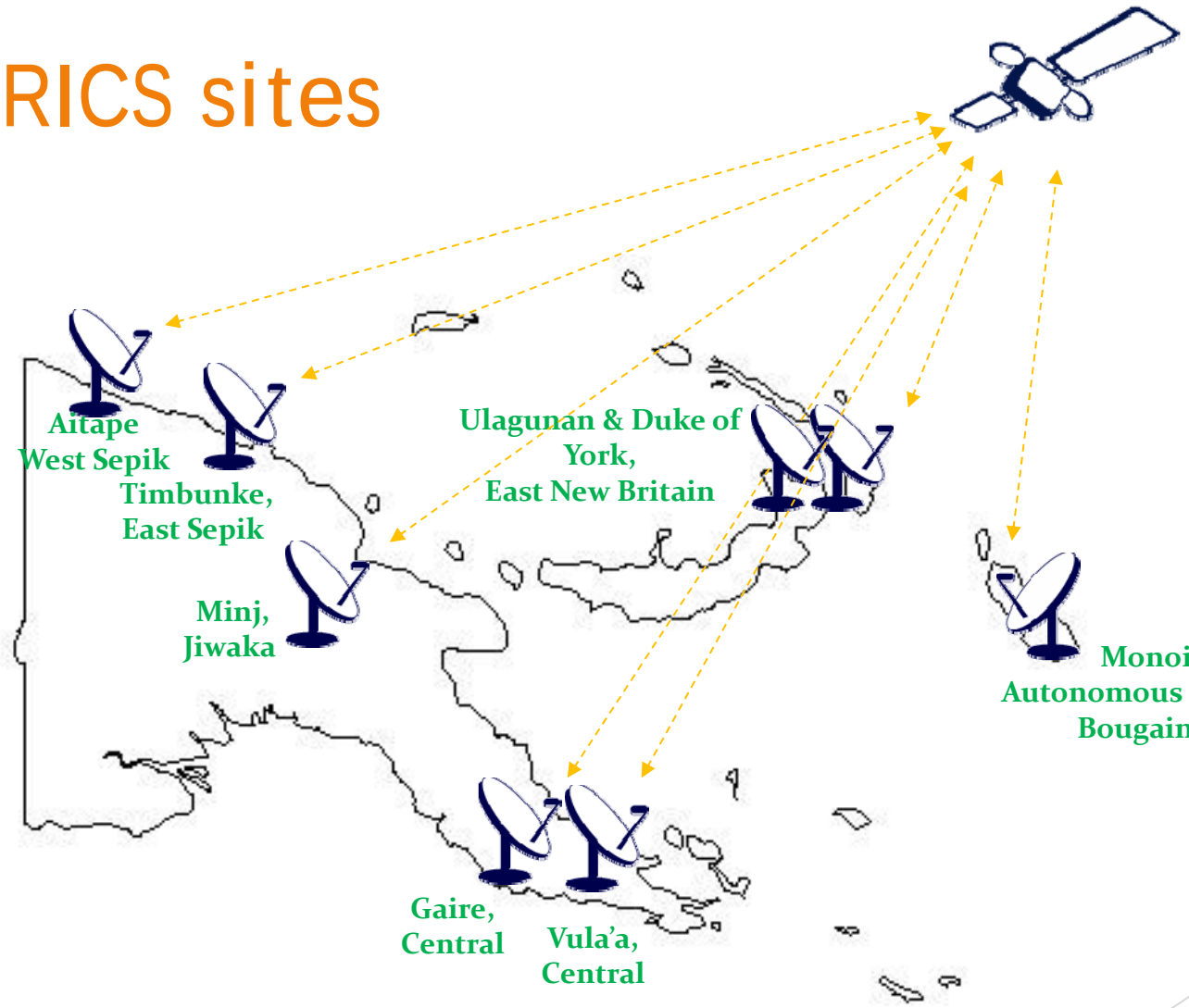
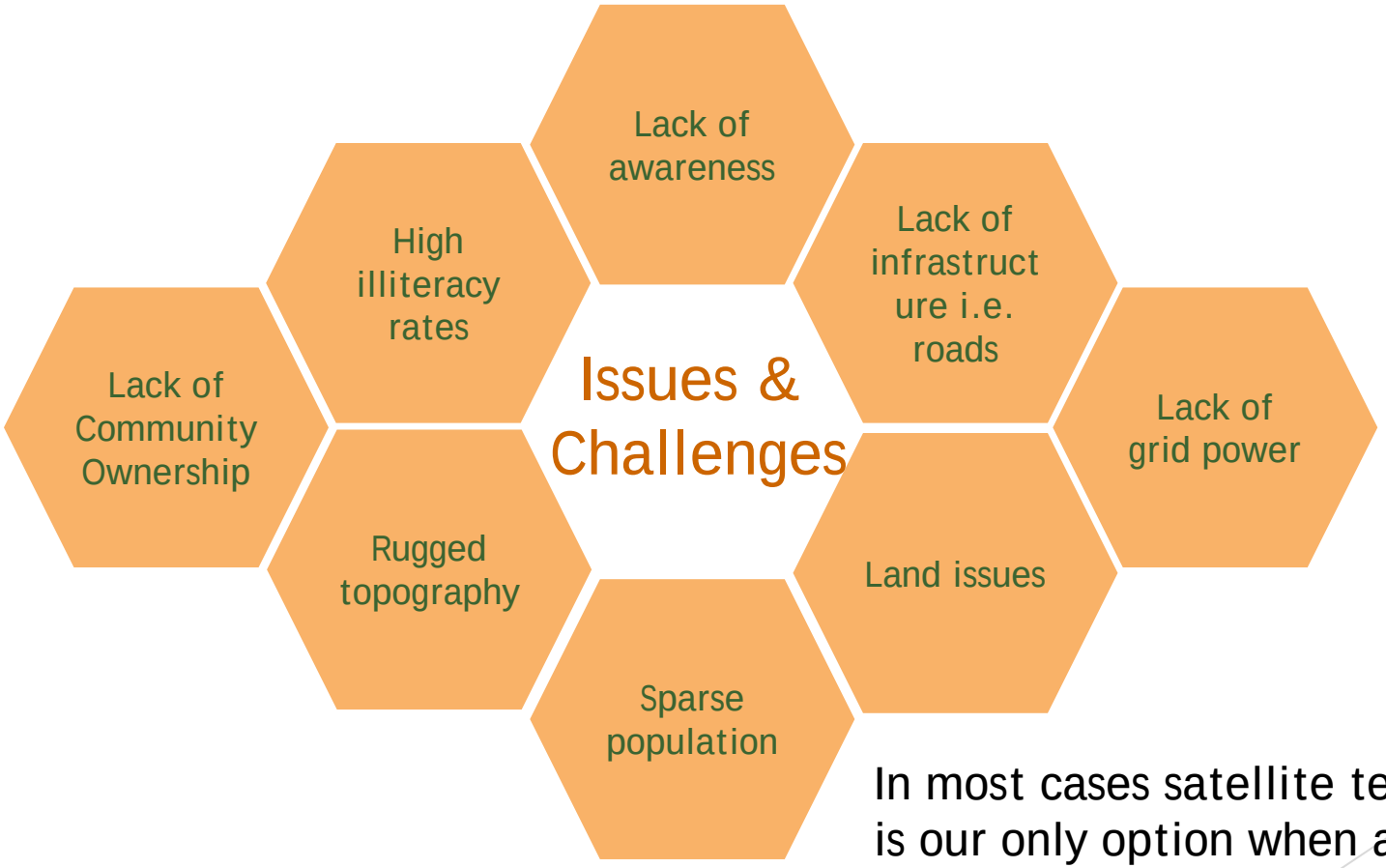
RICS sites


Aitape
West Sepik
Timbunke,
East Sepik
Minj,
Jiwaka
Ulagunan & Duke of
York,
East New Britain
Monoitu,
Autonomous Region of
Bougainville
Gaire,
Central
Vula'a,
Central

Issues and Challenges



In most cases satellite technology is our only option when all else fails

Thank You

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