




CONFORMITY & INTEROPERABILITY TESTING



ZAMBIA INFORMATION AND COMMUNICATIONS TECHNOLOGY AUTHORITY



NETWORK DEVELOPMENT, INTEGRATION & INTERCONNECTION: A ZAMBIAN CASE



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PRESENTATION AGENDA



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- INTRODUCTION**
- ZAMBIAN EXPERIENCE: CBI ISSUES**
- POLICY INTERVENTIONS ON CIT**
- LEGAL & REGULATORY FRAMEWORK**
- NEW EQUIPMENT CERTIFICATION REGIME**
- CONCLUSION**



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INTRODUCTION

Overview of the ICT Sector




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FACTSHEET

- ❖ POPULATION = 13 million
- ❖ AREA = 75 million Hectare
- ❖ GSM Coverage = 45% Geographic, 75% pop
- ❖ ICT Sector = Fully Liberalized in 2009
- ❖ Sector Regulator = ZICTA, 2009
- ❖ Licensing = Unified
- ❖ PSTN = < 1%
- ❖ Mobile = 48%
- ❖ Internet Subscriptions = < 2%


Technology & Service CARD

- ❖ PSTN
- ❖ 2G & 2.5 G = 90% of current mobile services
- ❖ Fibre Optic = 1,200km national backbone
- ❖ Microwave = > 2,500km
- ❖ GSM BTS = 1,900; 3G BTS = 200
- ❖ ADSL = < 100 lines
- ❖ Gateways = 3
- ❖ SAT3, ESSY, SEACOM connections



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ICT Equipment Supply LANDSCAPE

Current Situation

- ❖ Fake Docs
- ❖ Cheap
- ❖ Fake Products

Small Vendors = > 20




+
ICT Equipment Market

=

Interoperability & DoS ??


Big Vendors = 3


- ❖ SDoC
- ❖ Proprietary Standards
- ❖ Lock-in
- ❖ Limited knowledge transfer



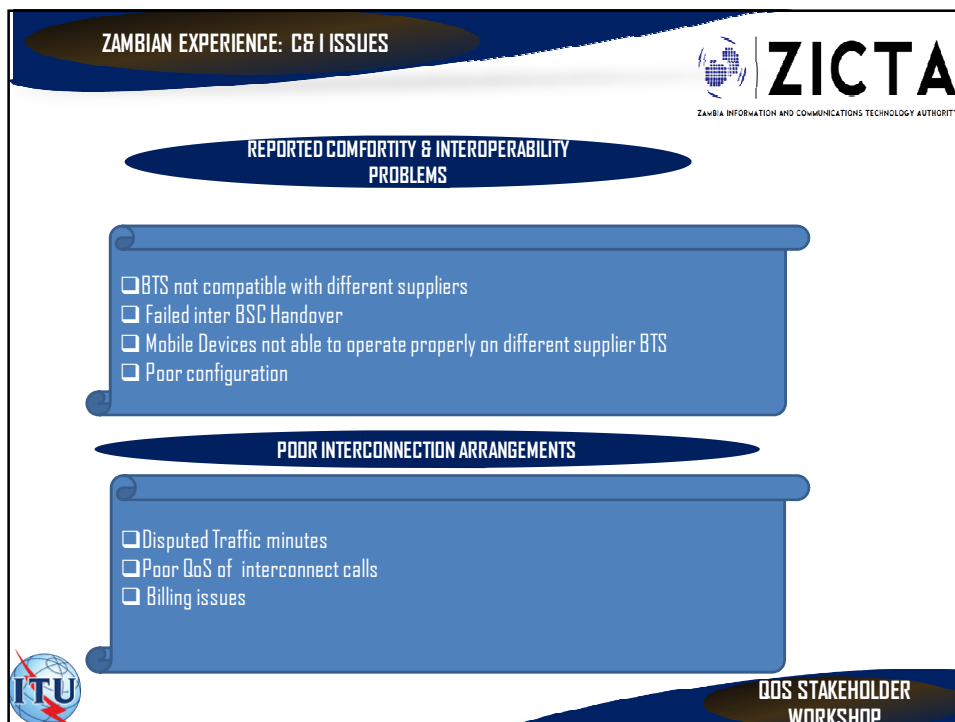
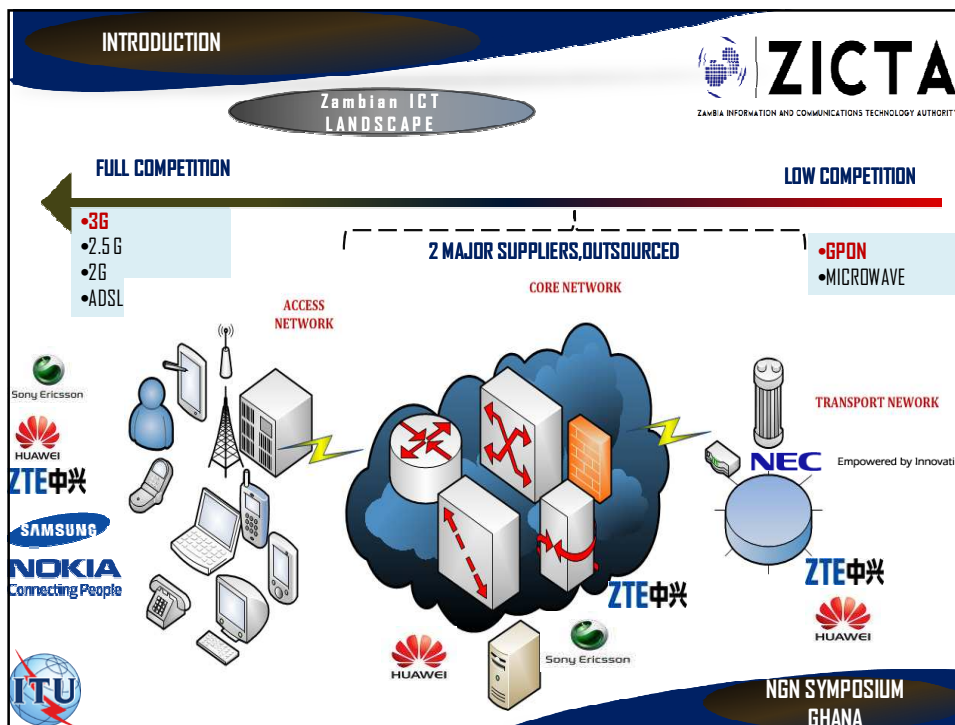
Manufacturers = 1

- ❖ No Accredited Test Labs
- ❖ No National Standards
- ❖ Low cost poor quality






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POLICY INTERVENTIONS ON CIT




National Quality Policy

Drafted by the Ministry of Commerce Trade & Industry (MCTI) to provide an institutional framework for controlling quality of products and services in order to increase Zambia's competitiveness

ICT Standards Policy


2.0 Policy Vision

An efficient and advanced ICT sector offering quality and affordable services and products that are safe, environmental friendly and inter-operable.



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NEW LEGAL & REGULATORY FRAMEWORK



Type Approval Regime

Type Approval Mark, Accreditation, Testing & Integration

STANDARDIZATION

ICT Act, 2009

Quality of Service Framework

QoS Parameters


87 Parameters developed | line with G.1000

New Operator QoS Reporting
QoS Audit.

QoS Penalties

Breach of each parameter attract huge fines

Adoption of international Standards



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NEW EQUIPMENT CERTIFICATION REGIME

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ZAMBIA BUREAU OF STANDARDS (ZABS)

New Conformity of Verification programs (VoC), Pre-Export Verification of Conformity (PVoC) introduced in 2011 and one Accredited Lab-SGS- Appointed in line with ISO/CASCO guidelines.

ZICTA Type Approval Regime

Type Approval Policy

Accreditations

ZamTest Lab + ZamTest Business Case Completed MoU = Wireless Lab, 2014

Equipment Registration & Dealers Regime

ITU

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NEW EQUIPMENT CERTIFICATION REGIME

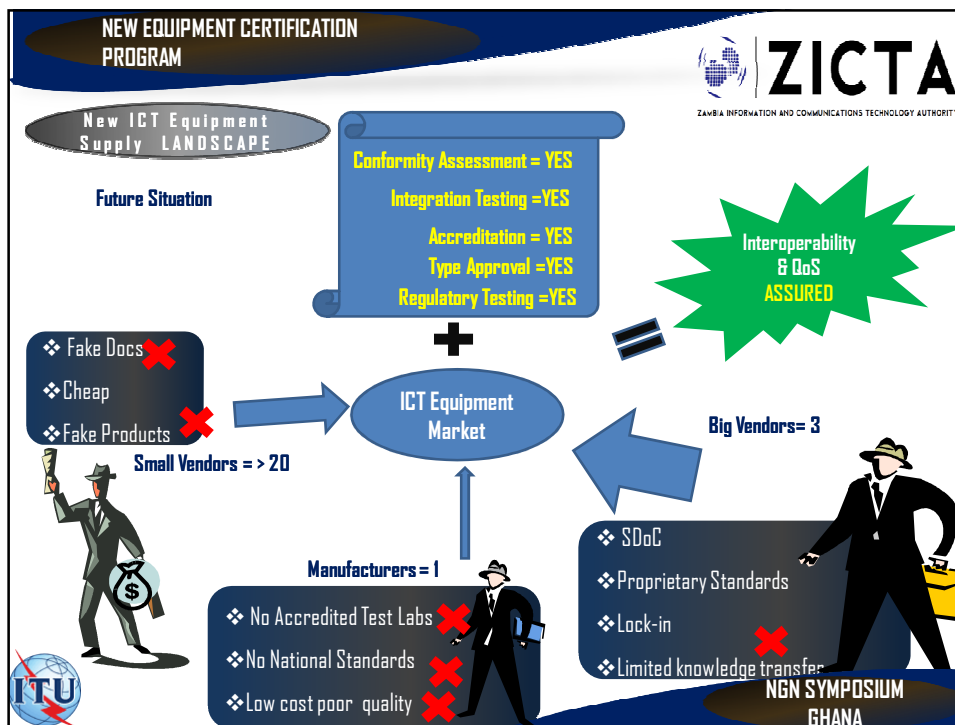
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ZamTest Objectives


- ❖ Sample Testing
- ❖ Inspections
- ❖ Human Capacity Building
- ❖ Research & Development

ITU

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CONCLUSION



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- SEAMLESS NETWORK DEVELOPMENT, INTEGRATION AND INTERCONNECTION TO ACHIEVE GOOD QOS IS AN IMPORTANT REGULATORY REQUIREMENT
- HUMAN & TECHNICAL CAPACITY BUILDING PROGRAMS ARE KEY TO SUCCESSFUL CIT
- A POSSIBLE ITU MARK PROGRAM COULD HELP DEVELOPING COUNTRIES EASILY VERIFY CONFORMITY & INTEROPERABILITY OF ICT PRODUCTS



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THANK YOU



**STAKEHOLDERS
WORKSHOP**