

**ITU CGI WORKSHOP - SADC**

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ZAMBIA COMMUNICATIONS TECHNOLOGY AUTHORITY



# HOMOLOGATION OF TELECOM EQUIPMENT, PROCEDURE AND EXPERIENCE

By  
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TYPE APPROVAL ENGINEER

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Technologies

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**PRESENTATION AGENDA**


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- ICT LANDSCAPE
- ZICTA MANDATE
- CURRENT SITUATION
- ZYGOTE REGISTRATION SYSTEM
- STANDARDS
- ZAMTEST LAB PROJECT
- PROCEDURE FOR ESTABLISHING CGI
- CONCLUSION

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# ICT LANDSCAPE



## Overview of the ICT Sector

### FACT SHEET CARD

- ❖ **POPULATION = 14 million**
- ❖ **AREA = 75 million Hectare**
- ❖ **GSM Coverage = 80% Geog, 74% pop**
- ❖ **ICT Sector= Fully Liberalized in 2009**
- ❖ **Sector Regulator = ZICTA, 2009**
- ❖ **Licensing = Unified, Tech neutral**
- ❖ **PSTN Penetration = < 1%**
- ❖ **Mobile Subscription = 9.3 million-march 2014**
- ❖ **Internet Subscriptions = 23,039 (Fixed) 2.8m (Mobile)**


### TECHNOLOGY & SERVICE CARD

- ❖ **PSTN**
- ❖ **2G, 2.5 G, 3G, 4G (LTE)**
- ❖ **Optic Fibre national and Metropolitan**
- ❖ **Microwave**
- ❖ **GSM**
- ❖ **ADSL**
- ❖ **International Gateways = 3**
- ❖ **SAT3, ESSY, SEACOM connections**


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# ZICTA MANDATE



## ZICTA FUNCTIONS





**STANDARDS**

## RELEVANT ACTS

ICT ACT NO. 15 2009

POSTAL SERVICES ACT No. 22 2009

ECT ACT No. 21 2009

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STATUTORY INSTRUMENT NO. 6 2011

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**SCOPE OF TYPE APPROVAL**

Regulation 4	▪ Type Approval of EC apparatus
Regulation 5	▪ Type Acceptance
Regulation 8	▪ Certification of ICT Equipment

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STATUTORY INSTRUMENT NO. 6 2011

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**APPLICATION PROCEDURE**

Regulation 6	▪ App. Procedure for TA
Regulation 7	▪ Grant of Type Approval
Regulation 9	▪ List of approved equipment

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STATUTORY INSTRUMENT NO. 6 2011

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**CONFORMITY ASSESSMENT**

Regulation 10	▪ App. Procedure for TA
Regulation 11	▪ Responsibility of Compliance
Regulation 13	▪ Conformity of Equipment+ Technical specifications
Regulation 15	▪ Labeling Requirements. ZICTA TA Mark

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**MARKETING OF ICT EQUIPMENT IN ZAMBIA**

Regulation 12	▪ Obligations of Importer and Distributors
Regulation 14	▪ Marketing ICT Equipment in Zambia
Regulation 16	▪ Complaint against Harmful apparatus
Regulation 17	▪ Facility installation clearance

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**STATUTORY INSTRUMENT NO. 6 2011**




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**TYPE APPROVAL FEES**

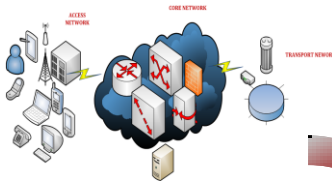
TELECOMMUNICATION TERMINAL EQUIPMENT	▪ xDSL,ADM,
DISTRIBUTION EQUIPMENT	▪ PBX, ROUTERS
CORE NETWORK EQUIPMENT	▪ MSC,
RADIO EQUIPMENT	▪ Base stations, broadcasting Tx, VSATs, Mobile Phones

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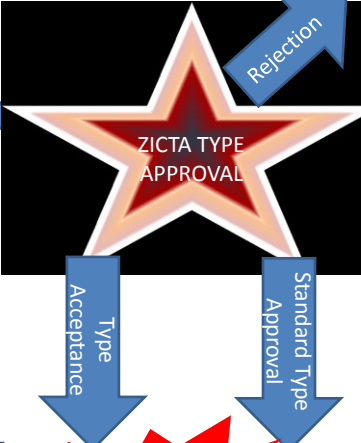
**TYPE APPROVAL REGIME**



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Equipment before entering Zambian Market




**ZICTA TYPE APPROVAL**


Rejection

Acceptance Type Approval

Standard Type Approval

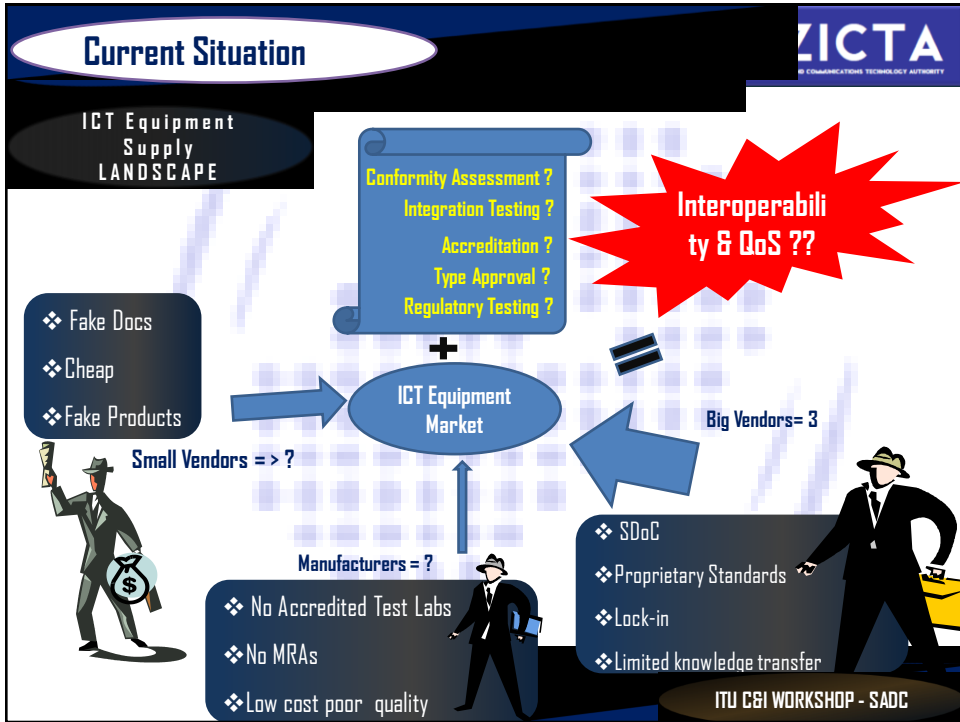


**Certification and Marking**



Equipment Allowed to enter Zambian Market

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**ZYGOTE EQUIPMENT REGISTRATION SYSTEM**

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http://onlinesystems.zicta.zm/zers/zers/supr/ SUPERVISOR Home

**ZICTA SUPERVISOR HOME**  
ZYGOTE EQUIPMENT REGISTRATION SYSTEM (ZERS) Hello Elliot Kabalo

Payments Reports Page Assessments Change Password Users Search Log Out

You are here: \_Supervisor Home

Tuesday, 14th October 2014 09:44 CEST Supervisor

Application(s) Status

APPROVED	REJECTED	PENDING	REVIEW	DATA ENTRY	CERTIFIED
27	2	2	41	0	56

Home	Rejected	Approved	Data Entry	Review
2	27	0	41	

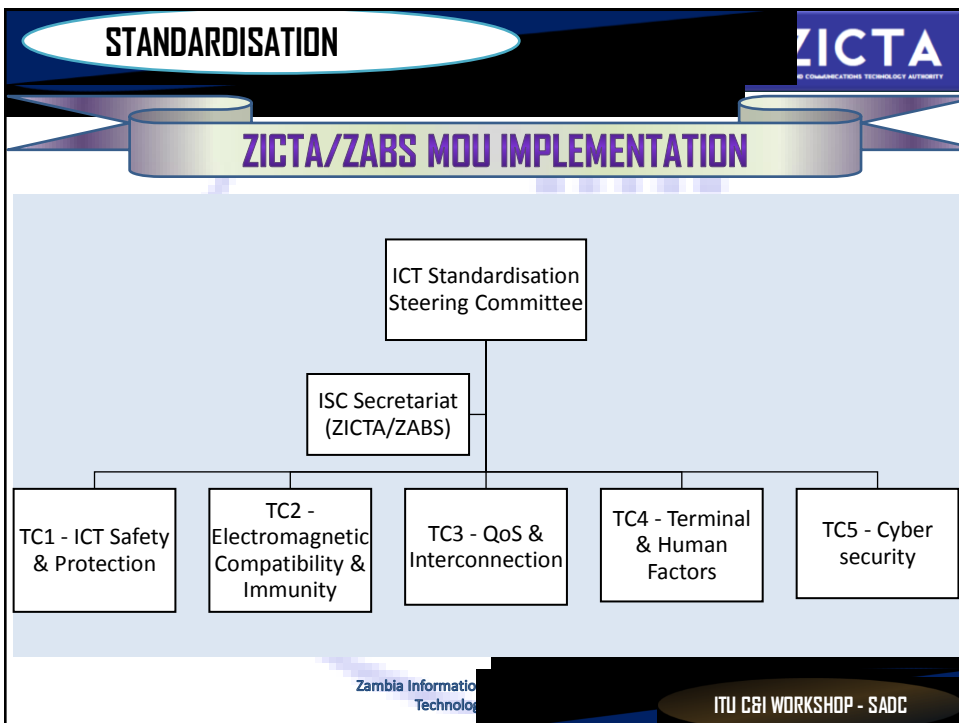
App. ID	App. Date	Application Type	Equipment Category	Status	Approve	Review
R 178	2014/03/24	Type Acceptance	Distribution Equipment-SDN Access Equipment	Project App.	Approve App.	Review App.
208			All	Project App.	Approve App.	Review App.

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**TYPE APPROVAL REGIME**

**ZICTA RECEIVING THE AWARD OF MERIT FOR ACTIVE PARTICIPATION IN DEVELOPMENT OF STANDARDS IN ZAMBIA**



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**ZAMTEST LAB PROJECT**

**ZAMTEST LAB PROJECT**

**2012**      **2013**      **2014-2020**

Business Case      RFPs & Tender Process      Feasibility & Business Planning      Procurement: Building & Equipment      COMMISSION 4 LABS

**PROPOSED IMPLEMENTATION APPROACH**

WIRELESS LAB      HUMAN EXPOSURE LAB      WIRELINE LAB

CALIBRATION LAB

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**PROCEDURE FOR ESTABLISHING CGI** **ZICTA**  
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**ZAMBIA'S IMPLEMENTATION STATUS**

Procedures for establishing a Conformity Assessment regime, described in SADC C&I Assessment Study Report:	ZAMBIA IMPLEMENTATION STATUS
A. Query for new products to be homologated	✓
B. Issuing and/or validating a Certificate of Conformity	✓
C. Issue of the Homologation (or acceptance)	✓
D. Import procedures for testing proposals	✗
E. Reference Standards for conformity assessment	✓
F. Recognized Laboratories and Test Reports	✓
G. Marking	✓
H. Monitoring, Enforcement, and Sanctions and Post-Market Surveillance	✓

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**WORLD STANDARDS DAY** **ZICTA**  
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THANK YOU

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