

# ITU-T SG 11 Workshop Global Approaches on Combating Counterfeiting and Stolen ICT Devices



**Presenter: Engr. Kunle Olorundare, SMIEEE**

Date: 23<sup>rd</sup> July, 2018

At ITU-T SG 11 Meeting, July 2018

# **NIGERIA APPROACH ON COMBATTING COUNTERFEIT AND STOLEN ICT DEVICES**

**Engr. Kunle Olorundare, SMIEEE**  
**Technical Standards and Network Integrity Department,**  
**Nigerian Communications Commission (NCC)**

**20<sup>TH</sup> June, 2018**



# Abstract

*Nigerian approach on combatting counterfeiting and stolen devices is a presentation that analyses both the socio-economic impacts and network impacts of the proliferation of counterfeit devices in Nigeria and its impacts on connecting unto the wireless networks.*

*The presentation highlights the extant initiatives being driven by the regulatory agency to combat the influx of counterfeit devices. Initiatives such as equipment audit, Sales and Installation Licensing, factory audit based on ISO9001 Standards are mentioned. The equipment type approval process is also discussed among others.*

*The paper also discusses the Nigerian Communications Commission's new initiative looking into the nearest future.*

*Engr. Kunle Olorundare, SMIEEE  
Wireless Networks Unit,  
Technical Standards and Network Integrity,  
Nigerian Communications Commission.*



# Counterfeit Definition

“Counterfeit Trademark Goods” shall mean any goods, including packaging, bearing without authorization a trademark which is identical to the trademark validly registered in respect of such goods, or which cannot be distinguished in its essential aspects from such a trademark, and which thereby infringes the rights of the owner of the trademark in question under the law of the country of importation. OECD



## ...Definition

**Counterfeit** carries the trademark logo of the original brand, its form factor but it does not have the intrinsic value or quality of the original device.

# Socio-Economic Effect of Counterfeiting

- Consumers may find that the quality of counterfeit goods is substandard and also be presented with serious health and safety risks.
- Government will receive less taxation with a possibility of being fraught with corruption.
- Government may have to expend additional resources in combating counterfeiting when it shows up.

## ...Socio-economic...

- Considering the socio-economic effects, counterfeiting may well have a negative effect on innovation, levels of Foreign Direct Investment, growth in the economy and levels of employment and may also redirect resources into organized criminal networks.
- Counterfeiting is likely to have an economic impact on rights holders as sale volumes and royalties, prices, brand value and reputation diminish.

## ....Socio-economic

- Lack of warranties and hence violation of consumer right.
- E-waste due to the use of hazardous substances which creates risks to the environment and consumer health due to violation on Restriction on Hazardous Substances (RoHS).
- Threat to green environment.
- Abnormal demand among the less privileged causing market distortion due to unfair competition.
- Negative reputation to Original Equipment Manufacturers' trademarks.
- Evasion of taxes and duties and less income for government.
- Loss of employment.



# Impacts of Counterfeiting on ICT

- Counterfeit mobile devices impact negatively on the Quality of Service of Digital Mobile Operators thus it affects both businesses and customers.
- Counterfeit devices constitute health and safety hazard to users of phones made with defective or counterfeit components or materials.
- Increase in cyber security-related vulnerabilities like Zero Day Attack, Steganography, Malware etc.
- Privacy of consumer less guaranteed.
- Higher vulnerability of digital transactions.

## NCC Initiatives...

- Prevention through education e.g. Type Approval Sensitization Workshop.
- The Deployment of QoS/QoE Monitoring Tool. The QoE part uses Wadaro Total Access Package (TAP) with an integrated database to be connected to the GSMA database and major mobile network operators equipment register database.
- Sales and Installation Licensing
- Equipment Type Approval
- Test Reports Verification.

## ...NCC Initiatives...

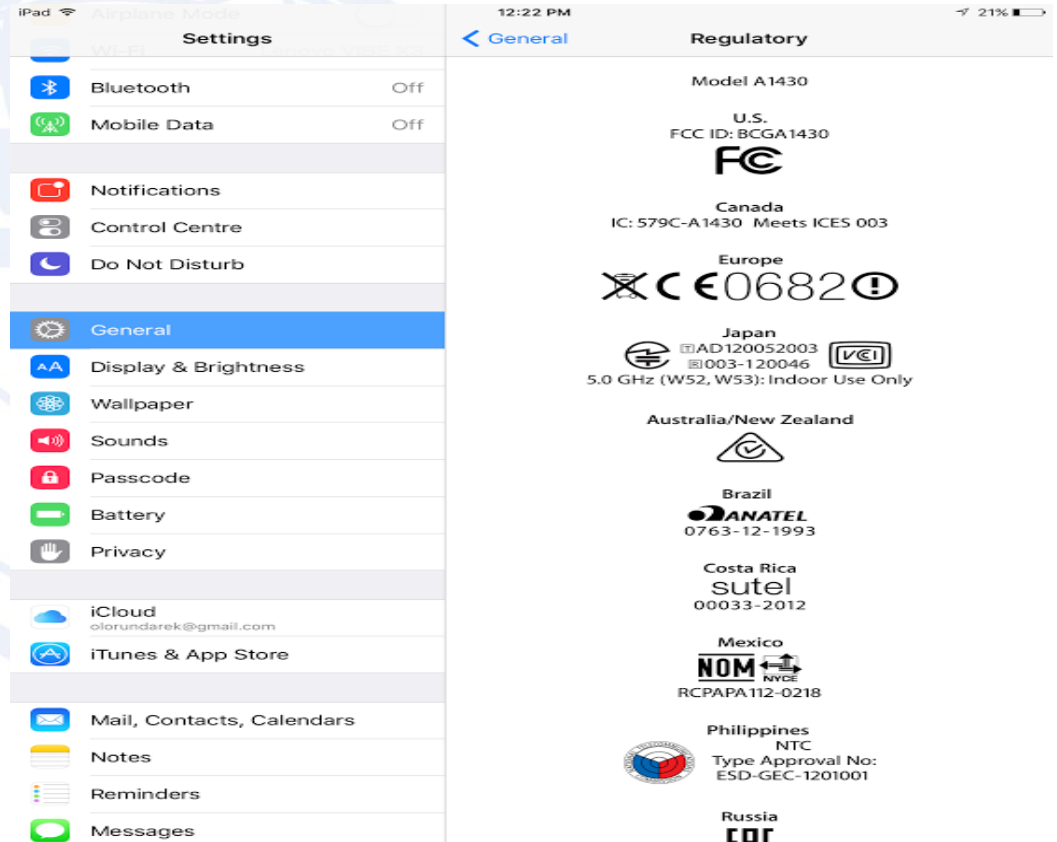
- Equipment Audit Exercise
- Sales and Installation License Category for the group of enterprises involve in selling and installation of mobile devices.
- Compliance Monitoring and Enforcement Activities e.g. market surveillance, compliance monitoring etc.
- Collaboration with Nigerian Customs Service, Standards Organisation of Nigeria and other relevant stakeholders.

# ...Initiatives

- Factory Visit for Quality Assurance Inspection (QA) by type approval engineers of NCC:
  - ISO19011:- General Audit Standards;
  - ISO 9001:2015 :-Quality Management System
  - ISO14001:- Environmental Management System
  - ISO17025:- (Guide 65) General requirements for the competence to carry out tests and/or calibrations

# Future Initiatives

Introduction of NCC ID. into Regulatory Soft Page as Nigeria Label is activated



## ...Future Initiatives

- Device management with SMS Short Code Confirmation
- Scanning of QR Code to decipher NCC Type Approval Identifier details

# Conclusion and Recommendations...

- Establishment of Accredited Test Laboratory in Nigeria is needed for the West African sub-region.
- Global concerted efforts & coordinated efforts in combating ICT counterfeiting: e.g. collaboration with MMF and GSMA.
- Active participation in ITU Study Group 11 where such initiatives are discussed.
- Strong border control through collaboration with relevant stakeholders ( e.g. market association) and other government agencies e.g. Customs, Standards Bureau etc.



## ...Conclusion and Recommendations

- GSMA database should be effectively utilized.
- SG11 should work on framework with a focus on methodology that will strengthen the unique identification of mobile phones in order to prevent counterfeiting and identity theft.
- Inclusion of the NCC ID and deployment of QR Code in the Soft Regulatory information discussed above would help.



# The End



Thank You

## References

- ITU Conformity and Interoperability technical paper, 2014
- Counterfeit/substandard phone, A resource guide for government (Mobile Manufacturers Forum) [online]
- The Economic Impact of Counterfeiting, Source: <https://www.oecd.org/sti/ind/2090589.pdf> [online].

# Bibliography

- [Iso.org](http://iso.org) [online]
- [www.ncc.gov.ng](http://www.ncc.gov.ng)(Type Approval Regulation)
- Intersil Environmental Management Policy Document.
- OECD document[online].
- [Pecb.org](http://Pecb.org) [online]
- R&TTE Directive Annex 5 [online]

# ...Bibliography

- ITU Technical Report, Technical Standardization Sector, 2014 [online].
- WTO Committee on Technical Barriers to Trade, Suppliers Declaration of Conformity, 2003 [online].