



WORLD SUMMIT ON
THE INFORMATION SOCIETY

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Implementing Measures Against Counterfeit, Illegal, & Stolen Devices

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Chair: Counterfeit & Security Working Group (Mobile & Wireless Forum)

Issues Faced by the Industry

The issues of counterfeiting, illegal, and stolen devices are all interconnected and need to be addressed in unison.



Mobile Theft



Security



Revenue Loss



**Consumer
Privacy**



**Network
Quality**

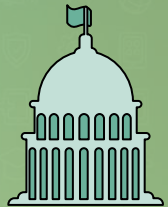


**IPR & TM
Infringement**

Deploying the System

- Regulatory Framework
- Technical Framework
- Public Consultation
- Awareness Building
- Technology & Platform Selection
- System Customization, Implementation, and Integration
- Operations, Analytics & Reporting

Regulatory Framework – Key Elements



Type Approval

- Ensures device authenticity and Standards conformance



National Device Registration

- Ensures IMEI uniqueness;; Eliminates illegal import



Laws against IMEI Tampering

- Criminalize changing / reprogramming IMEIs



Device Data

- Access to device data from the mobile networks



EIR Deployment

- EIR deployment for blocking and amnesty



Device Blocking

- Mandate to block non-compliant, illegal, and stolen devices

Technical Framework

Classify Existing Devices

- Classify devices by their IMEIs (valid / invalid, unique / duplicate) by analyzing device data from mobile networks

Allow All Existing Devices

- Grant amnesty and pair existing fraudulent IMEIs with IMSIs and MSISDNs

Register All New Devices

- Register all future devices in a national device registry database

Detect IMEI Falsification

- Detect devices with fraudulent IMEIs by analyzing device data from mobile networks

Enable Network Blocking

- Control device access of non-compliant and non-registered devices

Open-Source Solution

- Transparency
- Flexibility
- Source code availability
- Community Support
- No Vendor Dependencies

DIRBS CEIR

An Open-Source Software Platform addressing Counterfeit, Illegal, and Stolen Devices

In accordance with:

- *Resolution 90 (WTSA-16) “Open source in the ITU Telecommunication Standardization Sector” encouraging the use of open-source projects*
- *Recommendation ITU-T Q.5050 “Framework for solutions to combat counterfeit ICT devices”*



*DIRBS CEIR is freely
downloadable open-source
software platform available
on GitHub.*



Thank You!

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