# Mobile Device Identity Registration System

#### About MIRS

> MIRS is a patented technology proven to be the most effective solution to eliminate counterfeit devices and stop illegal importation of any Sim-enabled device.

> InMobiles is a pioneer in the market with over 6 years of experience in MIRS deployments. It is the only company having a current live nationwide centralized solution.

#### Key Benefits



Maximizes the collection of Customs and VAT revenues as a result of ceasing illegal device importation and wrong declarations;



Prevents counterfeit mobile phone market (Non GSMA compliant, fake and cloned) from accessing the network;



Protects the interest of consumers against all fraudulent devices and health hazards;



Enhances Network performance and improves the quality of telecommunications;



Discourages mobile phone theft by prohibiting their access to the network:



Optimizes national security and maintains a nationwide registry of all equipment identities for precise statistics and profiling of mobile terminals.

## Need to stop illegal device Importation and maximize tax collection?

Taxes are the most important sources of federal revenue all over the world, and they are mainly generated from importation of goods. Governments intend to regulate all aspects of importations to maximize revenues, create a fair-trade market and influence economic and industrial development. However, importers attempt to evade paying taxations and customs duties by illegally importing goods into the country. Counterfeits, stolen, cloned and fraudulent devices are prevalent, which results in an enormous expansion of black-market activities, and this practice became a source of massive revenue loss and potential of security issues.

To address these concerns, InMobiles has innovated a Centralized Device IMEI Detection and Registration System "MIRS" that is expected to increase the tax revenue of imported devices by over hundred-fold. The system integrates the mobile operators with the customs and regulatory agencies to prevent any device either illegally imported, cloned, stolen, or fake from accessing the networks.

MIRS relies on a live and automated IMEI synchronization between the mobile operators and the central site, enhancing the country's security, and providing control to the Government.



MIRS PLATFORM

### A smart digital scanner to control illegal importation of devices

InMobiles' MIRS solution ensures that only legally imported and genuine SIM-enabled devices are granted access to the networks and can function properly. The system operates in multi-steps:

- > Observation Period that can last up to 90 days during which all IMEI codes are detected and All existing sim-based devices in the country are whitelisted
- > Effective Period is the live real-time monitoring period during which newly imported devices are validated and registered to guarantee devices' authenticity and ensure all customs duties and vat are adequately paid.

#### **Observation Period**



> During this phase, all existing and newly imported devices are detected, and whitelisted (granted access to the network)



> All existing IMEIs in the country, even the ones that are not yet sold, are registered in the Central IMEI Database prior to the beginning of MIRS Live Period, creating a Seamless customer experience;



> This period is essential to analyze the current market and not to penalize users of old devices that are already imported.

#### Effective Live Period



> For every newly imported device that is turned on and attaching to the network, the MIRS system retrieves its IMEI and requests validation in real time.



> The MIRS platform will verify the IMEI code and send the status back to the user instantly.



> If the device is legally imported (Correct customs and duties are paid) and its IMEI code is genuine, it will be whitelisted. Otherwise, it will be granted limited access to the network or blocked.

#### Scope of Services

#### Central MIRS System:

- > Central MIRS Site connecrs Authorities databases to Operators Networks.
- > Live and automated synchronization of central database with Operators' databases.
- > Instant blocking of device theft on a national levellevel, across all operators.

#### Local MIRS System:

- > Local MIRS System installed at each Operator in the country.
- > REAL-TIME device detection, Central-Local databases synchronization and communication
- > Instant notifications sent to users of the status of their devices (if detected cloned, fake, illegally imported) upon attaching to the network



#### Technical Assistance:

- > 24/7 dedicated MIRS Service support team with extensive experience.
- > State of the art real-time reporting tools and revenue calculations: Live Security Audit and System Monitoring
- > Implementation of a strategy awareness and marketing campaign to educate the public on the use of MIRS and train all stakeholders.

#### **About Inmobiles**

InMobiles, founded in 2006, has gradually established itself as one of the leading providers of mobile technologies and governmental solutions in the Middle East and Africa. With its engineering hub based in Beirut and over 8 international offices, InMobiles is able to assist Telcos and Governments worldwide in shaping their innovations with its competitive edge solutions and has successful records and footprints across the African, Asian, and American regions.

Our solid R&D and technical knowledge, innovative ideas, high quality of services and quick time to market is what sets us apart.