IMEI.DB
CEIR SYSTEM

CENTRAL EQUIPMENT IDENTITY REGISTER SYSTEM

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CEIR SYSTEM

Central EIR System for Mobile Equipments. The system contains basic information for mobile equipments including serial number, IMEI, import and customs data, colored lists, etc.

CEIR IS A DATABASE SYSTEM PRESENT IN THE MOBILE NETWORK THAT CONTAINS A LIST IMEIS OF MOBILE DEVICES. CEIR SYSTEM ALSO MAINTAINS WHITE, BLACK AND GRAY LIST.

CEIR is a database system present in the mobile network that contains a list IMEIs of mobile equipments which are active in a mobile network.

The CEIR System is used to reduce the number of mobile equipment thefts by providing a mechanism to assist network operators in preventing stolen or disallowed mobile equipments from accessing the network. This control is done by comparing the International Mobile Equipment Identity (IMEI) that is provided during handset registration to a set of three lists provided by the network operator:

- Black List - Mobile Equipments on the Black List will be denied access to the network

- White List - Mobile Equipments on the White List will be allowed access to the network

- Gray List - Mobile Equipments on the Gray List will be allowed on the network, but may be tracked

Find out instantly whether an equipment has been reported lost or stolen.

CEIR contains one or more databases for storing Device/IMEI/IMEISV information (white list, grey list, and black list) of terminal equipment and identifies the validity of the terminal equipment that accesses the PLMN network by checking the IMEI/IMEISV information.
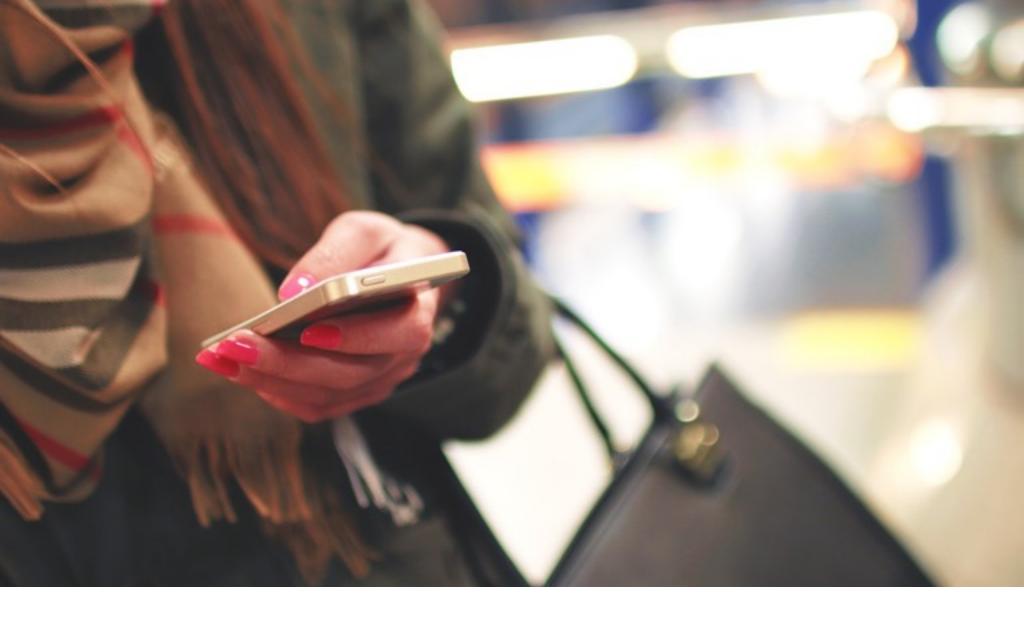
Equipment Check Service

You can find out instantly whether an equipment has been reported lost, stolen, duplicated, a threat to network integrity or other reasons.

Interoperability

CEIR System is interoperable with all the network elements and interfaces of Mobile Operators through web services using authentication.

Benefit of using CEIR System

Substantially reduce the fraudulent practice of reselling and reusing stolen mobile equipments.

One of its key functions is that it can interoperate with any network element through the web service.

Salient Functions of CEIR

- Maintain the IMEI database of all registered mobile equipments

- Identify IMEIs using Luhn Algorithm check

- Contain mobile equipment information. IMEI, Status (white, gray, black), Reason (invalid, stolen, cloned, valid), Date of record creation, Date of last record update

- Keep historical data of equipment status and reason

- Provide TAC registration to identify equipment brand, model, version and other information

- Provide blacklisted IMEIs data to block services to subscribers

- Interoperable with any network element through web services using authentication

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