

Current blocking systems

In the event of loss or theft the consumer contacts their Network operators call centre. The network blocks the phone on its EIR and if applicable disseminates the same information to the other Networks.

The average time from reporting to cross network block is 48 hours.

Avalons unique system allows for the real time updating of other networks, law enforcement, insurers as well as providing the status of handsets to traders and consumers through the CheckMEND service.

Through Avalon this process takes as little as 60 seconds.



Avalon

Real time IMEI blocking



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A **Recipero** Product

46 47 48 49 50 51 52 53 54 55 56 57 58 59 **blocked**

reported stolen: **1** 2 3 4 5 6 7 **8** 9 10 11 12 13 14 15

Assisting mobile phone networks with real time IMEI blocking

Avalon is a unique product for use by Mobile Phone Networks to assist in the blocking of IMEI numbers in real time across multiple carriers.

The Avalon system sits beside all existing EIR systems and switches but allows real time cross network blocking.

Reducing criminality

The Avalon model also enables the real time update of Law enforcement and second hand trade checking systems.

About Avalon

Over 20 million mobile phones were lost or stolen worldwide last year. Network operators need to satisfy consumers, regulators and law enforcement agencies if they are to avoid additional regulation and control.

Providing secure information.

Law enforcement agencies can view information on Avalon via a dedicated on-line portal whilst the second-hand trade and general public can view a phones blocked status using Checkmend

Real time cross network blocking of handsets

Only Avalon has the power to do this and crucially, due to its open standard interface, at an acceptable cost to networks.

Avalon compliments any existing blocking technology and provides real time cross network blocking and information to law enforcement agencies and the trade.



Real time notification across networks, to law enforcement and the trade is a natural progression of the current systems.

Helping to reduce mobile phone crime.

If Law enforcement are made aware of a mobile phone crime in seconds or minutes they have a much greater chance of a successful detection and arrest!

Real benefits to law enforcement, traders and buyers

Stolen property moves through criminal and trade channels in a matter of hours. To reduce the appeal to steal mobile phones it is essential to make it as onerous as possible for the thief to profit from the stolen handset. Avalon achieves this.

In the fight against criminality, a reduction in time between a loss or theft report to the network and the Police, traders and buyers being aware of the handset status is absolutely critical.

To be able to identify that a phone in the possession of a suspect has been reported stolen to the home network, and for that information along with the reporting subscribers contact details to be viewable within minutes is of huge benefit to the police.

Commerce and consumers also benefit greatly from the real time status of goods traded as it assists them in not buying stolen goods.

Insurers

Avalon is designed to interface with Patriot the mobile phone insurance fraud detection service.

This means that an insurer can validate that a handset has been disabled before fulfilling a claim no matter how quickly the claimant contacts the insurer after telling the network. This means insurers are less likely to fulfil claims on handsets that are not blocked reducing false reporting and fraudulent claims.

Security and Privacy

To comply with data protection laws and meet the needs of our customers, Avalon has been designed to focus on two major issues; **data integrity** and **information security**.

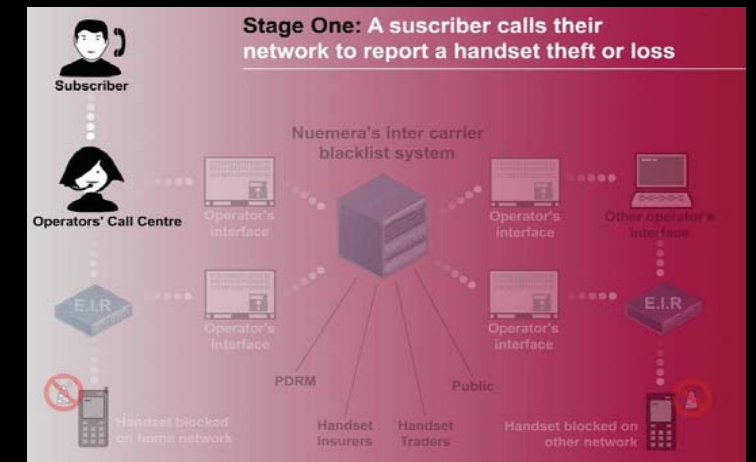
Data integrity is ensured thanks to our substantial investment in our technical infrastructure.

Once data is securely received it is held on our servers in an encrypted format, ensuring only authorised persons are able to access it.

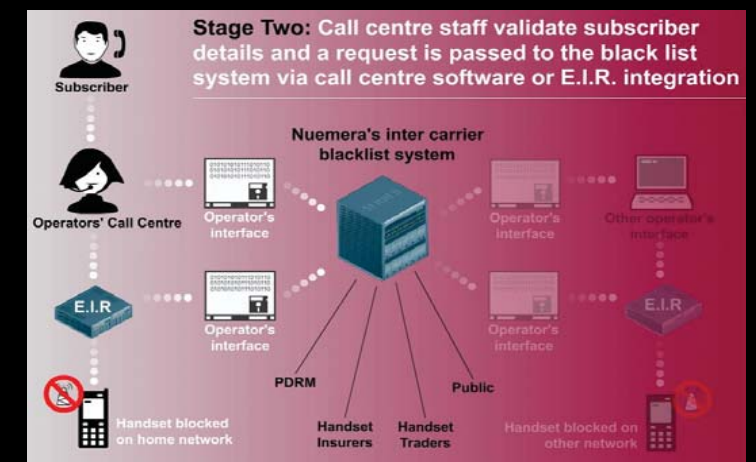
To ensure the best service levels and resilience Avalon is run on Recipero's multi-server infrastructure located at geographically dispersed server centres.

Our primary focus is the provision and development of software solutions for our clients and in order to provide the service levels our customers demand we use only state of the art secure facilities to house any information.

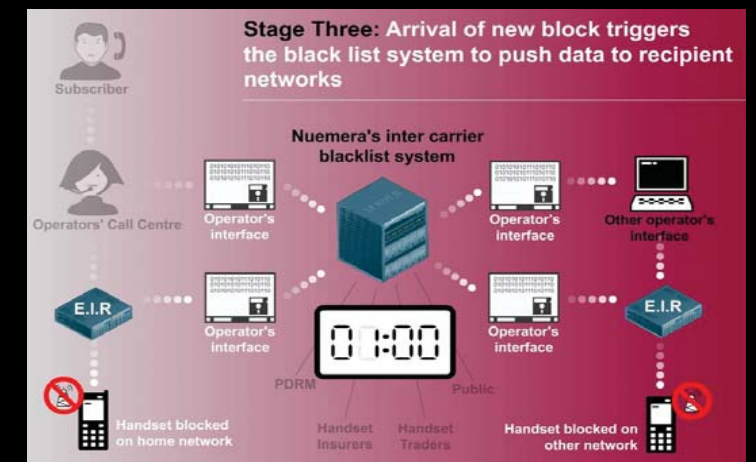
The security of data, both in transit and when stored is an up most priority for individuals and businesses alike. The collection and storage of information is secured using various methods and levels of encryption.



▲ Stage One A subscriber calls their network to report a handset theft or loss.



▲ Stage Two Call centre staff validate subscriber details and a request is passed to the black list system via call centre software or E.I.R. integration.



▲ Stage Three Arrival of new block triggers the black list system to push data to recipient networks.