



PeykAsa SMS Firewall

Higher Protection against SMS Frauds

Mobile Network Vulnerabilities

During recent decades, the ubiquity of cellular networks and the abundance of smartphones has led to dramatic increase in the number of mobile users. Reports illustrate that the number of mobile subscribers was grown from 4.4 billion at 2015 to about 4.6 billion by the end of 2016. It is also estimated that the number of mobile users will be more than 5 billion by the end of 2020.

This impressive growth in mobile users has introduced the mobile industry as an essential motive force behind the global economy. Reports have shown that the revenue of mobile operators was 1.15 trillion dollars in 2014 and it will be about 1.4 trillion dollars at the end of 2020. This incredible increase in the rate of mobile network revenue declares that the industry is a tempting resource of income even for fraudsters. So like many other profitable industries such as banking, mobile operators should consider hazards of unauthorized access to their network. They should be absolutely certain about the security and impenetrability of any part of their networks. As mobile operators attempt to compensate existing defects in their networks and decline the revenue leakage, attackers also seriously try to exploit the vulnerabilities in the mobile networks.

SMS Frauds

SMS is a key contributor to fraudsters to help them attack mobile networks and abusing their services. The vast majority of operators in the world usually face various messaging frauds such as:

- ▶ Spam Messages
- ▶ Fake SMS/SMSC
- ▶ SS7 SCCP Spoofing
- ▶ Special SMSs (Silent, Binary)
- ▶ Malicious Messages Containing Viruses and Malwares
- ▶ and so on

How PeykAsa SMS Firewall Works

- ▶ Analyzing and Blocking Messages Based on Their Source/Destination Address (and other MAP fields)
- ▶ Near Real-Time Detection of Trusted Messages among Others
- ▶ Providing User-Defined Alarms Based on Flexible Thresholds
- ▶ Applying Advanced and Customizable Filters to Messages
- ▶ Protecting the Network against DoS Attacks

