Key Benefits

- Fully protects the network, because fraudulent SMS traffic is blocked before it enters the network
- Provides an OPEX model instead of a CAPEX model and avoids large upfront investments for operators
- Protect subscribers from receiving unwanted messages
- Protect subscribers from fraudulent charges resulting from false originator information
- Prevent incorrect termination fees from other operators

In the age of increasing margin pressure, operators face uncontrolled security attacks such as SMS spamming, faking, flooding, etc combined with increasing customer complaints and missed revenue. Additionally, with the increasing number of A2P messages from Over-The-Top players, Brands, Enterprises and M2M, to name just a few, operators are looking for ways to unleash their power for fully monetizing A2P termination in their network.

Unsolicited SMS messages pose the following problems for an operator:

- Higher network capacity requirements
- Reduced end-user service experience
- Increased instances of billing fraud
- Damaged image and brand
- Reduced interconnect capacity and increased interconnect disputes

Thus it is important for operators to gain complete control over the incoming and outgoing traffic of their network in order to ensure network security and to gain guaranteed revenue on SMS traffic.

Service Snapshot

The iBasis SMS Firewall service protects the operator’s network from unsolicited SMS traffic such as SMS spoofing, SMS flooding, SMS faking and spamming as defined GSMA IR.70. The iBasis SMS Firewall service offers a cloud-based subscription-based model, which enables operators to avoid large up-front costs of installing a SMS firewall on their own premises. The SMS Firewall provides two levels of protection:

- On SS7 level, the SMS Firewall protects against SMS faking and spoofing.
- A second level of protection concerns content screening and pattern analysis. This covers protection against spam and flooding based on keyword filtering and pattern detection.
About iBasis Global Mobile Signaling
Covering more than 660 destinations worldwide, the iBasis Global Mobile Signaling (GMS) service is a complete signaling package that offers 99.999% availability and worldwide reach. When you let iBasis take care of your signaling needs, you can be rest assured that your customers are served with best-in-class connectivity all around the world. The service offers various connectivity options including IPX, SIGTRAN EVPN or TDM along with origin and destination based routing capabilities for both SCCP and MTP traffic. iBasis provides international network management with 24/7 network monitoring, 99.999% service availability and 24/7 support from our global operations centre. iBasis presents a holistic approach for signaling that delivers maximum value for international roaming and SMS. The iBasis Signaling Suite below represents the value added services along with the LTE Signaling eXchange (LSX) that offers seamless evolution from SS7 signaling for 2G/3G networks to Diameter signaling for 4G networks.

About iBasis
A wholly-owned KPN company, iBasis is a leading international voice carrier and a provider of data services for mobile operators. The company offers a comprehensive portfolio of voice termination services and data services, including messaging, signaling and roaming, for many of the world’s largest fixed and mobile operators, as well as “over-the-top” and voice-over-broadband service providers. iBasis customers include KPN and its mobile operators, KPN Mobile, E-Plus, and KPN Belgium, and more than 1,000 other providers, including Verizon, Vodafone, China Mobile, China Unicom, Skype, TDC, Telecom Italia, and Telefonica. The company can be reached at its worldwide headquarters in Burlington, Mass., USA at +1 781-505-7500 or on the Internet at www.ibasis.com.