



Telco Security

Forward Defense conducts off-premises Signaling System No. 7 (SS7) penetration tests and telecom network security audits for corporate, government and military clients. We can assess your vulnerabilities and in short time give remediate actions to these vulnerabilities. We run comprehensive SS& Penetration tests on your network to track possible weaknesses and attack vectors.



SS7 Forensics

We can help with a forensic analysis of SS7 traces (or setup traps, probes, decoys or honeypots to capture information on ongoing attacks and mislead attackers) to determine the target of the attack, the goal, and possibly shed some information on the origin of the attack by using techniques involving correlation, OSINT or fingerprinting of the sending node. More importantly, we can help fast! Possibly today.

We will also recommend ways in which to prevent these attacks going forward, and look for other SS7 vulnerabilities on your network that need to be closed down by running an external SS7 penetration test.

SS7 Intelligence Reports

Forward Defense provides its clients with regular SS7 intelligence reports, providing mobile operators and regulators valuable information about the SS7-based threat landscape and the bad actors that are attacking subscribers through the worldwide SS7 network.

The reports are produced using anonymized SS7 meta-data provided by various partner mobile operators around the world, which creates a representative and realistic picture of the worldwide threat landscape and its trends month after month.

The monthly report contains:

- Current list of GTs originating malicious SS7 traffic
- Correlation between attacking GTs and patterns
- Types of attacks per GT
- Activity patterns
- OSINT information on the originating networks
- Volume of activity and trends





Active Telco Cyber Defense : Conducting off-premises Signaling System No. 7 (SS7) penetration tests and telecom network security audits



Diameter Penetration Test

Code division multiple access (CDMA) is a channel access method used by various radio communication technologies.

Vulnerabilities for CDMA operators are very similar than those found on GSM networks. CDMA signaling also use SS7, just a different flavor of it.

Our CDMA penetration test is currently in R&D and we are looking for CDMA networks interested in this subject to serve as initial test targets.

If you are a CDMA network concerned about security vulnerabilities over the signaling interface, please contact us.

Telco Cyber Security Training

We provide trainings that covers telecom network security and fraud, for your engineering, fraud prevention and billing teams. The course contains many real life examples of security breaches and fraud cases in both fixed and mobile networks, as well as a complete training on SS7 based vulnerabilities, and can be eye opening for upper management as well.

We also provide training to country regulators who wish to learn about security issues that may affect mobile operators in their countries, such as SS7 vulnerabilities.

The training can be tailored to your audience in content and length, from one to five days, and will be conducted on site anywhere in the world.

Contact Us

Each of our solutions is as unique as our customers. Please contact us to discuss the best way to meet all of your digital forensics requirements

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