

# Telecoms Hacking Policy & Information

**Protect your business from PABX Fraud. Important information on Telecoms Hacking! Reduce your risk the risk of fraud through your communications services.**

## Background

Telecoms Hacking is Communication Fraud and can be defined as the use of telecommunications products or services with no intention of payment. This industry-wide problem has increased in recent years, impacting businesses that own or operate PABX's, Voice Mail Systems or Hosted Phone systems. Fraudsters gain access undetected and make outbound calls both domestically and internationally resulting in substantial unauthorised costs being incurred by your company.

## How does it happen?

Hackers gain unauthorised access to a customer's PABX's, Voice Mail Systems or Hosted Phone systems. A hacker can compromise unprotected telecommunication equipment by dialling or logging in remotely to gain access to your communications system. Hackers usually exploit poorly secured remote access options such as Voicemail, or DISA (Direct Inward System Access) and once having gained access, redirect calls to anywhere in the world. The fraudster may then masquerade as a service provider offering international access, or often generate large volumes of calls to their own Premium services. The hacker generates revenue using your assets, resulting in substantial charges to your company.

## Your Obligations

As the Service Owner, you are responsible for the administration and security of your Phone System. This includes both physical security of PABX and Handsets, as well as Passwords and PINs used for remote access premise based equipment of Hosted Phone Systems.

In some circumstances, Next Business Telecom may become aware of possible Systems hacking or fraud, and as a matter of courtesy, provide you with notification, however we will only become aware after the fraud has been committed.

No responsibility will be taken by Next Business Telecom where your systems security has been breached. You will be required to pay for any charges generated as a result.

## Reduce Your Risk

Protecting your business assets from fraudulent use is best determined in consultation with your systems maintainer or administrator.

Next Business Telecom recommends that your systems security regime includes the following measures.

- Change default codes and passwords immediately once a service is activated.
- Don't choose obvious passwords i.e. extension number, 1234, Company name.
- Educate your staff on the importance of keeping codes and passwords confidential.
- Enforce company policy to regularly change PINs and passwords.
- Limit the number of employees with authorisation to set up new codes and passwords.
- When a member of staff leaves the company cancel their access rights.
- The External Call Forwarding feature for the Voice Mail System should be disabled, unless specifically required by a staff member.
- Disable any feature not in use that may be accessed remotely
- Delete any voice mailbox services that are not required.
- Only authorised personnel should have access to the phone system equipment.
- Keep phone system hardware in a secure place with restricted access.
- Ensure you have adequate barring levels placed on your phone system, for example bar 1900 calls or international calls.
- If your PABX has DISA enabled (Direct Inward System Access), then only limited specific staff should have access to that feature.
- Unused extensions should have their access rights deactivated.
- Check your phone bill for any unusual call traffic

## What to look for?

Some of the warning signs that your systems security has been compromised include:

- Large call volumes at night, weekends or public holidays;
- IDD calls to destinations you usually don't dial;
- An unusually high number of short duration calls;
- Difficulties (Busy or delays) with retrieving Voicemail messages.

## The Repercussions

Hacking and fraudulent use results in unauthorised call charges billing directly to your account, as a business you are responsible for maintaining the security of your hardware. You will be liable for all charges incurred on your account. For further assistance contact your phone system maintainer or administrator to help minimise the risk of hacking

Anyone with a communications system, either premise based PABX or a Hosted Phone System is at risk.