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# Voice over IP (VoIP) Security Testing

Telephones are a vital part of any business; the ability to immediately talk to an associate, colleague or client is an absolute necessity. Many businesses have migrated from their old legacy telephone system to a more modern Voice over IP system but have you fully considered how important your phone calls are?



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## What would happen if someone could intercept and listen in to your phone calls?

Consider each and every phone call that is made or received by your business. How many of them discuss sensitive projects? Could a competitor gain useful information about your relationship with your clients? Would you even know that your phone was compromised?

## Do you assume that your internal phone calls are confidential?

How much sensitive, confidential information gets discussed in an internal phone call between staff members? Is anything ever said in a phone call that you would not want to be disclosed, even to a colleague? Exactly how secure is your voicemail?

## What would happen if someone interfered with your phone network?

Are you confident that an attacker could not masquerade as a known contact by spoofing their caller ID? Could someone from outside the business make a call that looks like it is an internal one? Would you be worried if a competitor could extract a copy of your phone book, with client contact details included?

## What would happen if someone could shut down your phone network?

Could an opportunist or disgruntled employee attack your phone network to the point that your clients and staff could not get in touch with each other? What would happen to your business as a result?

## Does your risk assessment accurately take your phone system into account?

Do you actually know, and can you definitively justify the level of risk that your business is exposed to from your phone network? It is easy to assume that it is secure because it's new and comes with its own set of security buzzwords. Attacks evolve and risks change over time. Even if you have had a security test of some sort on your phone network in the past, does that still accurately reflect the level of risk that you are exposed to?

## VoIP Testing from MWR:

We can offer testing of your Voice over IP phone system without disruption to your business. We will not send you a generic document outlining common VoIP problems but will thoroughly assess the risks posed to your organisation by your VoIP implementation and produce an individual report explaining how these risks relate to your organisation and the suggested remedial actions.

*I never realised quite how vulnerable our phone calls were.*

*IT Manager,*

*Marketing Company*

The benefits of **Voice over IP security testing** and its integration with the **FastHold** platform include:

**A focused, technical assessment on risks associated with your Voice over IP infrastructure**

which allows you to identify areas where the level of risk is unacceptably high for your organisation. The assessment includes network based attacks as well as physical access to the phones.

**A higher level of assurance,**

allowing you to be confident that your phone system does not reduce the effectiveness of your other security measures by allowing a route in for an attacker. It also allows your organisation to have more confidence in the phone system that you have, knowing that it has undergone a rigorous security assessment.

**Allows a more accurate risk assessment to be made**

Risk assessments are useless if they do not contain reliable, current and accurate information. A security assessment of your communications network would contribute to this and allow you to make a more informed decision about your security posture. The final report that is produced will place the risks in the context of your business so that you can see how any issues relate to you.

**Protecting your company's most valuable assets**

A security assessment on your phone system that reveals vulnerabilities which are then mitigated

could be the reason that a future attacker is not able to conduct a successful attack.

A security assessment of your VoIP infrastructure will offer a higher level of confidence in your communications network while allowing you to identify areas for improvement and make a more informed decision about the level of business risk.



**Contact us directly on +44 (0) 1256 300920** for more information about how the service could benefit your organisation or to arrange a demonstration.