

# Effective Communications and Public Relations after a Cyber Security Incident

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**Cyber security incidents and attacks are a harsh reality faced by every business today.** While one of the primary goals of security measures is to prevent incidents from occurring, your company also needs to be prepared to respond if it becomes a victim of an attack.

**Effective communication following a cyber security incident forms a critical element of the activities needed to protect your company's customers, stakeholders, and reputation more generally.** This communication goes hand-in-hand with the more technical incident response strategies, to create a broad business continuity approach. These activities are essential for all types of organisations, from small/SMEs to large enterprises.

**This document aims to support you in the event of a cyber security incident, by providing new and extensive guidance on how to communicate and engage effectively in such situations.** This can inform and complement your existing practices and help to increase the resilience of your organisation if breached.

Specifically, a guidance framework for communication and public relations is introduced below, which provides advice on what organisations should do before a breach occurs (to prepare themselves) and after a breach (to respond in such a way that it reassures customers and stakeholders).

This guidance, it addresses questions such as: **What mechanisms should be in place to best prepare for if a security breach occurs? How should a security breach be communicated to stakeholders? When should it be communicated and by whom?** Answering these questions in the right way can make a substantial difference to how stakeholders respond to the news of a breach.

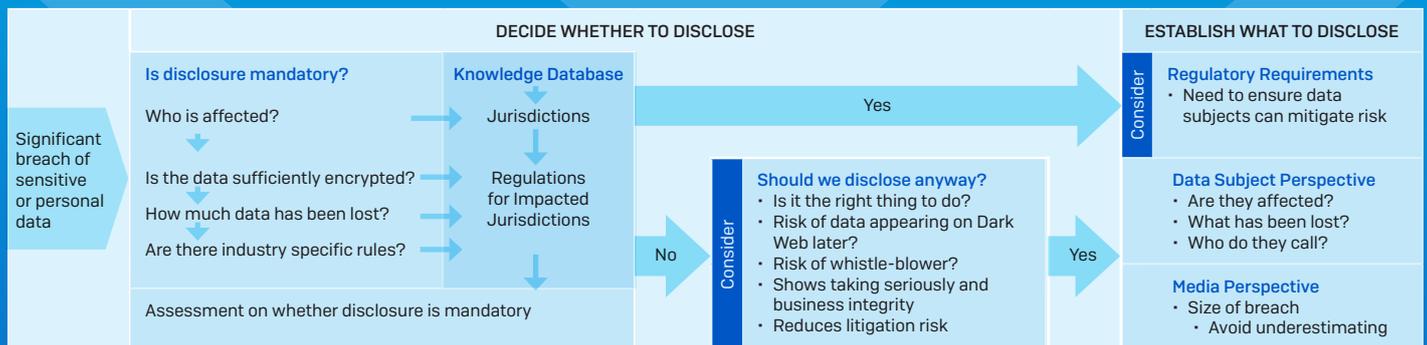
**This framework is grounded in industry and academic best practice,** and has been evaluated refined through interviews with senior security professionals and crisis response specialists within industry.

# A FRAMEWORK FOR EFFECTIVE CORPORATE COMMUNICATION AFTER CYBER SECURITY INCIDENTS

## Pre Event

Consider	<p><b>Establish/Prioritise Post Event Aims</b></p> <ul style="list-style-type: none"> <li>Protecting Data Subject</li> <li>Managing key Stakeholders</li> <li>Minimise damage to reputation</li> <li>Protecting sales / ability to trade</li> <li>Legal obligations</li> <li>Stock market value</li> <li>Minimising cost to business</li> </ul>	Guidance	<p><b>Establish and Maintain Crisis Communication Capability</b></p> <ul style="list-style-type: none"> <li>Agree decision makers and cross functional crisis team</li> <li>Educate, consult and support decision-makers / board</li> <li>Establish crisis information knowledge database                             <ul style="list-style-type: none"> <li>Jurisdictions trading in and applicable regulations                                     <ul style="list-style-type: none"> <li>For each jurisdiction:   <ul style="list-style-type: none"> <li>Industry specific regulations</li> <li>Disclosure benchmarks</li> <li>Sanction regimes</li> <li>Class action risks</li> </ul> </li> </ul> </li> <li>How is personal / sensitive data encrypted</li> <li>Security gaps identified that could be reputationally harmful</li> <li>Ensure information secured but accessible in event of IT disruption</li> </ul> </li> <li>Review internal capability and retain specialists if required</li> <li>Establish draft responses for likely scenarios aligned to key stakeholders</li> <li>Consider website to be activated during a crisis (for FAQs, hotline etc.)</li> <li>Address challenges with mass comms e.g. bulk emails identified as spam</li> </ul>	Guidance	<p><b>Incorporate Partners and Supply Chain</b></p> <ul style="list-style-type: none"> <li>Ensure contracts account for breach situations</li> <li>Determine approach if supplier breached</li> <li>Involve key partners in planning and rehearsals</li> </ul>
Consider	<p><b>Determine Security Gaps to inform Communications Response</b></p> <ul style="list-style-type: none"> <li>Security audits and risks</li> <li>Assess key hygiene factors                             <ul style="list-style-type: none"> <li>Up-to-date/strong encryption</li> <li>Multi-factor authentication (MFA)</li> </ul> </li> <li>Utilise threat monitoring and open source intelligence (OSINT)</li> </ul>		Consider	<p><b>Perform Regular Rehearsals and Testing</b></p> <ul style="list-style-type: none"> <li>Incorporate communications response within Business Continuity Plans (BCP) and Major Incident Rehearsals</li> <li>Involve key decision makers</li> <li>Work through realistic scenarios</li> <li>Include scenarios for breaches within supply chain</li> </ul>	

## Cyber Crisis Response



## Frame the Message

Guidance	<p><b>Accept responsibility</b></p> <ul style="list-style-type: none"> <li>You are custodians of their data – apologise</li> <li>Even when a stakeholder (including customer) is at fault (e.g., password reuse) you will be expected to have mitigated through multifactor authentication (MFA) and monitoring</li> </ul> <p><b>Avoid downplaying – may be seen as not taking breach seriously</b></p> <p><b>Address feelings of vulnerability for data subjects</b></p> <ul style="list-style-type: none"> <li>Identify ways data subjects can protect themselves</li> <li>Consider providing credit monitoring – ensure free to customer or this may be seen as profiteering</li> </ul> <p><b>Avoid blaming others</b></p> <ul style="list-style-type: none"> <li>Blaming hacking groups – gives them the limelight</li> <li>Blaming service partners – can lead to public disagreements</li> </ul>	Consider	<p><b>Review aggravating factors to avoid message damaging credibility</b></p> <ul style="list-style-type: none"> <li>Previous data breaches – “Are you really taking security seriously?”</li> <li>Exposure of organisational limitations – “Is your comprehensive security plan that good?”</li> <li>Breach being discovered by third party – “Is the security of customer data really at the heart of what you do?”</li> </ul> <p><b>Take into account age, gender and cultural differences</b></p> <ul style="list-style-type: none"> <li>Ethical Stance – Gender and age differences</li> <li>Younger generation may be less impressed with credit monitoring as a mitigation</li> </ul> <p><b>Other considerations</b></p> <ul style="list-style-type: none"> <li>How are you working with law enforcement to bring the culprits to justice?</li> <li>Can you share lessons learnt in due course to help others avoid repeating your mistakes?</li> </ul>
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## Choose When to Disclose

## Select How to Disclose

Consider	<p><b>Better to notify public as quickly as possible</b></p> <ul style="list-style-type: none"> <li>Helps address feelings of vulnerability for those affected</li> <li>Important data subjects hear it directly from you first to avoid a loss of trust</li> <li>May be easier to frame public opinion at an early stage in a crisis</li> <li>Obligations around insider trading</li> </ul> <p><b>Balance between accuracy and timing</b></p> <ul style="list-style-type: none"> <li>Sometimes difficult to ever establish true scale of breach</li> <li>Avoid underestimating</li> </ul> <p><b>Based on regulations for applicable jurisdictions and advice from Law Enforcement</b></p>	<ul style="list-style-type: none"> <li>If possible, it is important data subjects hear it directly from you first, otherwise it may result in loss of trust</li> <li>It may be appropriate to use all available channels for communication to increase reach</li> </ul>		
		<b>Direct</b>	<b>Indirect</b>	
		<p><b>Email</b></p> <ul style="list-style-type: none"> <li>Requires email address</li> <li>May enhance perception of harm and generate negative emotions</li> <li>Can be tailored to target those most impacted</li> <li>Challenges include server throughput and spam filters</li> </ul> <p><b>Website</b></p> <ul style="list-style-type: none"> <li>Less direct – data subjects need to visit site</li> <li>Can contain FAQs, hotline nos.</li> </ul>	<p><b>Surface Mail</b></p> <ul style="list-style-type: none"> <li>More direct and personal</li> <li>Avoids risk of phishing</li> <li>May not have correct (up-to-date) address</li> <li>Expensive and may also be seen as damaging to the environment</li> </ul> <p><b>Telephone</b></p> <ul style="list-style-type: none"> <li>More personal / caring</li> <li>Resource intensive</li> <li>May not have current number</li> </ul>	<p><b>Social Media</b></p> <ul style="list-style-type: none"> <li>Opportunity to set the initial tone of social media posts</li> <li>Interactive so able to set straight negative rumours</li> <li>Risk of negative reinforcement spiral, e.g. “twitter storm”</li> </ul> <p><b>Traditional Media</b></p> <ul style="list-style-type: none"> <li>Often main source of information for customers</li> <li>Have own agenda and may not focus on the things you want</li> <li>Consider list of trusted journalists to help disseminate</li> </ul>

## Prepare for Reaction

Guidance	<ul style="list-style-type: none"> <li>Brief staff</li> <li>Ensure sufficient social media / call centre resources</li> <li>Scale up response website and telephony capacity</li> <li>Anticipate move of transactions to non-breached channels</li> </ul>	<ul style="list-style-type: none"> <li>Ensure capability in place for dealing with media enquiries</li> <li>Anticipate drop in share price for first few days</li> <li>Put measures in place to disrupt phishing/scam attempts</li> </ul>
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## Deliver the Message

Guidance	<ul style="list-style-type: none"> <li>Keep the message clear and easy to understand</li> <li>Avoid jargon</li> <li>Keep it simple</li> </ul>	<ul style="list-style-type: none"> <li>Ensure CEO / Chair delivers message                             <ul style="list-style-type: none"> <li>To establish organisation is taking things seriously</li> <li>Reconfirm breach represents crisis to prevent unnecessary escalation</li> </ul> </li> <li>In choosing spokesperson consider their capability in front of media</li> </ul>
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