



LRG Update – Cyber Newsletter, February 2020

The lead officers for the [London Resilience Partnership](#) Cyber Incident Response Capability in London have published this newsletter, in consultation with the [London Resilience Group](#). It provides an overview for local authorities and businesses, as to the work being done in London to enhance our cyber incident preparedness, as well as sharing some lessons learned from recent exercises. We have highlighted some resources and available training and exercising opportunities.

1. National Cyber Security Strategy 2016-2021

The National Cyber Security Programme 2016/21 has three core elements to ensure that we are secure and resilient to cyber threats, prosperous and confident in the digital world.



DEFEND

against cyber threats



DETER

our adversaries



DEVELOP

our skills and capabilities

‘Cyber security’ refers to the protection of information systems (hardware, software and associated infrastructure), the data on them, and the services they provide, from unauthorised access, harm or misuse. This includes harm caused intentionally by the operator of the system, or accidentally, as a result of failing to follow security procedures (The National Cyber Security Strategy 2016-2021).’

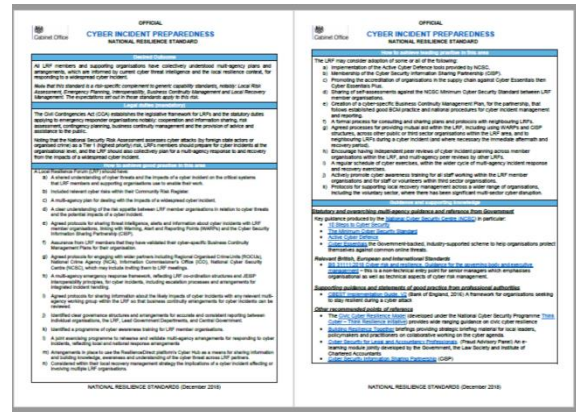
2. National Cyber Security Centre (NCSC)

NCSC is the lead government department for managing cyber risk. However, depending on the type of incident, law enforcement agencies might be prominent in the response such as Action Fraud and Regional Organised Crime Units.

NCSC supports the most critical organisations in the UK, the wider public sector, industry and SMEs, by providing information, advice and guidance on cyber security management.. When incidents do occur, they provide effective incident response to minimise harm to the UK, help with recovery, and learn lessons for the future. For more information, please see <https://www.ncsc.gov.uk>.

3. Cyber Incident Preparedness; National Resilience Standard

“The UK now faces an increasing number of state and non-state groups with the ability and desire to carry out attacks using cyberspace (National Risk Register cyber assessment).” As part of the set of National Resilience Standards, a new Local Resilience Forum focused cyber incident preparedness standard has been developed in association with the National Cyber Security Centre. This standard describes legal obligations, good practise and leading practice examples of cyber incident preparedness options, and supplementary guidance and advice sources. Key themes include cyber awareness for staff, including cyber risks on risk registers, using available cyber defence tools provided by the NCSC, creating cyber incident specific BCM plans and developing a cyber exercise program. A copy of this standard can be found on the ResilienceDirect extranet (access to ResilienceDirect is for LRF partners only).



4. Cyber Capability Assessment – London Resilience Forum (LRF)

The capability assessment process provides an indicator of the maturity of London’s emergency response capabilities with each assessed against the criteria: doctrine; plans; resources and logistics; training; exercising; interoperability. The current lead agencies for the cyber response capability are NHS England and NHS Improvement (London) , and the City of London Corporation. Through this assessment process it has been agreed that a primary area of focus for London is to develop the Cyber Technical Advice Cell (C-TAC) concept. The C-TAC is a multi-agency cell, with the function to provide timely, coordinated and actionable advice to the Strategic Coordinating Group (similar to Scientific and Technical Advice Cell arrangements). Work is moving forward to develop this concept, including who should be involved in a C-TAC, information sources and facilities that they may require. This project is progressing as part of the LRF work programme. Further information is available in the [London City Resilience Strategy](#) under the section: Cyber Emergency Response Capability.

5. Resources for Businesses and the Public Sector



Cyber Griffin is an initiative that helps businesses and individuals in the Square Mile to protect themselves from **cyber** crime. Delivered by the City of London Police, they offer four key services, free of charge, across London. These services cover an immersive Lego table-top exercise, cyber incident response training, a cyber capability assessment, and informative ‘baseline briefings,’ for raising staff awareness and knowledge. Services are designed to be accessible to everyone, whether they have very little knowledge of cyber crime, or are individuals who hold IT security and risk management roles. For further information, please see <https://cybergriffin.police.uk>.

6. Where do I report a cyber incident?

If you find yourself subject to any type of cyber attack, where your systems have been accessed in an unauthorised manner, and you suspect private data may have been accessed, or your systems altered in any way, consider notifying the following:

1. Information Commissioners Office
2. National Cyber Security Centre
3. Shared services providers, or partners joined through your networks

7. Five learning tips from recent incidents and live cyber exercising

Cyber attacks can pose difficult decision making dilema, incur significant recovery costs, and bring fines for organisations that are found to have been partly liable through a lack of protection and preparedness. The following points are key pieces of learning from both cyber attacks on essential public services, and innovative live exercising in the cyber space.

1. Have a Ransomware Policy in Place

- It is a hard and heavy discussion to have when your business is crumbling around you. Make the decision in advance and then take it from there when the real thing happens.

2. Lets Talk Insurance

- Cyber attack-specific insurance is available, don't just assume you have it. Furthermore, there are different types of cover available, and some packages include pre-event advice from specialists as part of avoiding an attack altogether, because they can be so costly.

3. Do a Hypothetical Impact Assessment In Advance

- Include the possibility of a 'total loss of IT systems.' You need to know how long a network rebuild will take, to avoid senior staff getting frustrated if they don't understand why a system cannot simply be turned off and on again, as well as st implications. Be sure to assess critical services, assets and partners.

4. Cut the Jargon for Senior Managers

- When explaining the situation, have IT staff avoid product names like ' X applications.' Instead, talk about the services lost in terms that the users will understand, such as, 'access to email and diaries through outlook on all company owned devices have been lost'. This can make for quicker, clearer, less 'tech-heavy' conversations when you are under time pressure.

5. Manage Expectations

- The idea of having no systems for weeks on end is simply intangible for senior leaders, but nevertheless, this might be what is going to happen. Be clear about what can and cannot be done, including time-frame for diagnosing what the cyber incident actually is and what damage it has and could continue to do.

The London Resilience Group supports the work of the London Resilience Partnership in preparing for, and responding to emergencies. We are hosted by the London Fire Brigade.