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Delivering local level multi-agency cyber resilience

Resilience and Emergencies Division (RED) Plans to support local-level cyber preparedness

James Young

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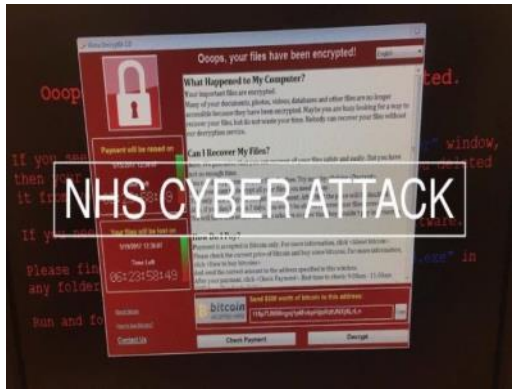
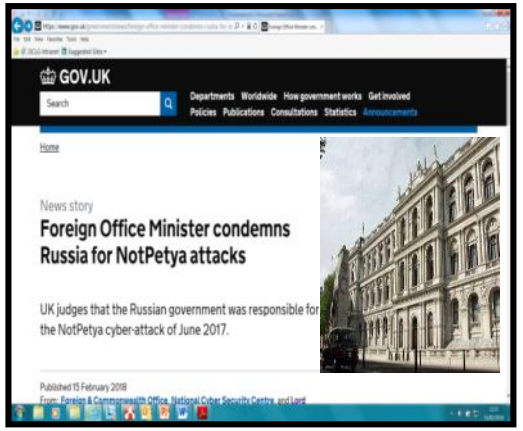
Increasing Awareness





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What is the Cyber Risk?

- The increased use of online and digital systems bring benefits but also increase vulnerability to cyber incidents.
- The 2015 National Security Strategy recognised Cyber Attack as a Tier 1 risk to UK interests – societal and economic impacts to GB would be significant.
- 2016 National Risk Assessment placed the Cyber Threats in medium or low categories as they were focussed on UK level impact scenarios.
- However the 2018 National Security Capability Review reflected that *"cyber threat from criminals and hostile states continues to rise, with more frequent and more complex attacks"*
- Have you considered the risks at your local level?

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RED Cyber Resilience Programme

LRF Support

Strong Cyber Capability
•**Awareness:** identify and share good practice, flagging existing support, implementing Cyber standard
•**Training:** facilitating access to Cyber Academy and Resilience Direct Cyber Hub
•**Products:** Risk Assessment, Planning Assumptions, Template Response Plan, Incident reporting, Assurance
•**Exercising**: LRF specific and regional exercise programme
•**Response:** Support effective response arrangements aligned with central government

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Cyber Standard and Self Assessment

- The Cyber Standard is out for consultation on Resilience Direct. Consultation ends 9 November
- RED Cyber Team has developed a common Cyber Self Assessment template which can be used in conjunction with the Cyber Resilience Standard
- LRFs will get consistent self assessment over a pre-determined period
- Does not duplicate Cyber assurance from other sectors but reference those frameworks as appropriate
- Enable LRFs to understand their current preparedness and prioritise where they might like further support from the RED Cyber Team

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National Training Scheme Offer

1. Developing Underpinning Cyber Resilience Knowledge

- **Cyber Landscape:** overview of a baseline common understanding of the current cyber landscape.
- **Guidance & Support:** signpost to authoritative sources of guidance and support.
- **Cyber Threat:** provide a detailed understanding of the cyber threat trajectory.
- **Capability:** outline the core components of a cyber resilience capability.

2. Developing Cyber Resilience Capability

- **People, Processes & Technology (day-to-day):** outline the core components to develop a cyber resilience programme.
- **Resilience, Preparedness & planning:** integrate existing resilience arrangements with cyber resilience issues.
- **Embedding Cyber Resilience:** raise cyber resilience awareness and education within their organisations.

3. Integrating Cyber Resilience into wider LRF Incident Management Capability

- **Incident Management:** To develop a clear understand of the requirement for an effective incident management capability.
- **Crisis Management & Communications:** To embed the take-up of crisis management requirements during a cyber incident.
- **Business Continuity:** Establish an appreciation of how business continuity complements cyber resilience.
- **Recovery**: Outline the requirements for effect recovery planning

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Cyber Hub on Resilience Direct

- A new Cyber Hub on Resilience Direct to support LRFs and partner organisations:
  - **Share information and experiences**. Linking to Joint Operational Learning for lessons.
  - Access **guidance** and **information** relating to Cyber preparedness easily in one place.
  - Highlighting **Cyber Alerts and Advisories** produced by NCSC and others that are relevant to LRFs.
  - Build a **community of interest** across LRFs and with the technical community including Warning and Reporting Points.
  - Access **templates** for LRF plans, Self Assessment, Incident Reporting and Cyber specific Response Templates.
- Due to be launched in November through Resilience Direct. Your RED Cyber Advisors will alert you when it is live.

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LRF Exercise: Roving Storm

A cyber threat is coming to an area near you: Naptonshire!

The RED Cyber Team is offering to facilitate a Cyber Exercise for your LRF, developed by experts from the National Cyber Security Programme

Aim: Explore the potential multi-agency impacts of a significant cyber attack in the local area and the role that the Local Resilience Forum (LRF) can play to co-ordinate and manage the consequences.

Format: The exercise has been designed as a three hour table top exercise. A shorter strategic level exercise is also in development – this can be adapted to your needs in discussion with your RED Cyber Advisor.

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Regional Cyber Exercises

Multi-agency regional exercises to start from early 2019.

The exercises will undertake the following:-

- Rehearse and examine the implications of a sustained cyber-attack on LRF systems during a major civil emergency (i.e. Manchester)
- Test the inter-agency response mechanisms to deal with the impact of the cyber-attack and highlight areas of weakness/concern
- Identify the common steps of what an initial plan for how their individual organisations would respond as part of the wider LRF community

Testing the themes of concurrency, co-ordination, visibility, business continuity and fallback approaches.

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Thank you!

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