Overview of Cyber threats

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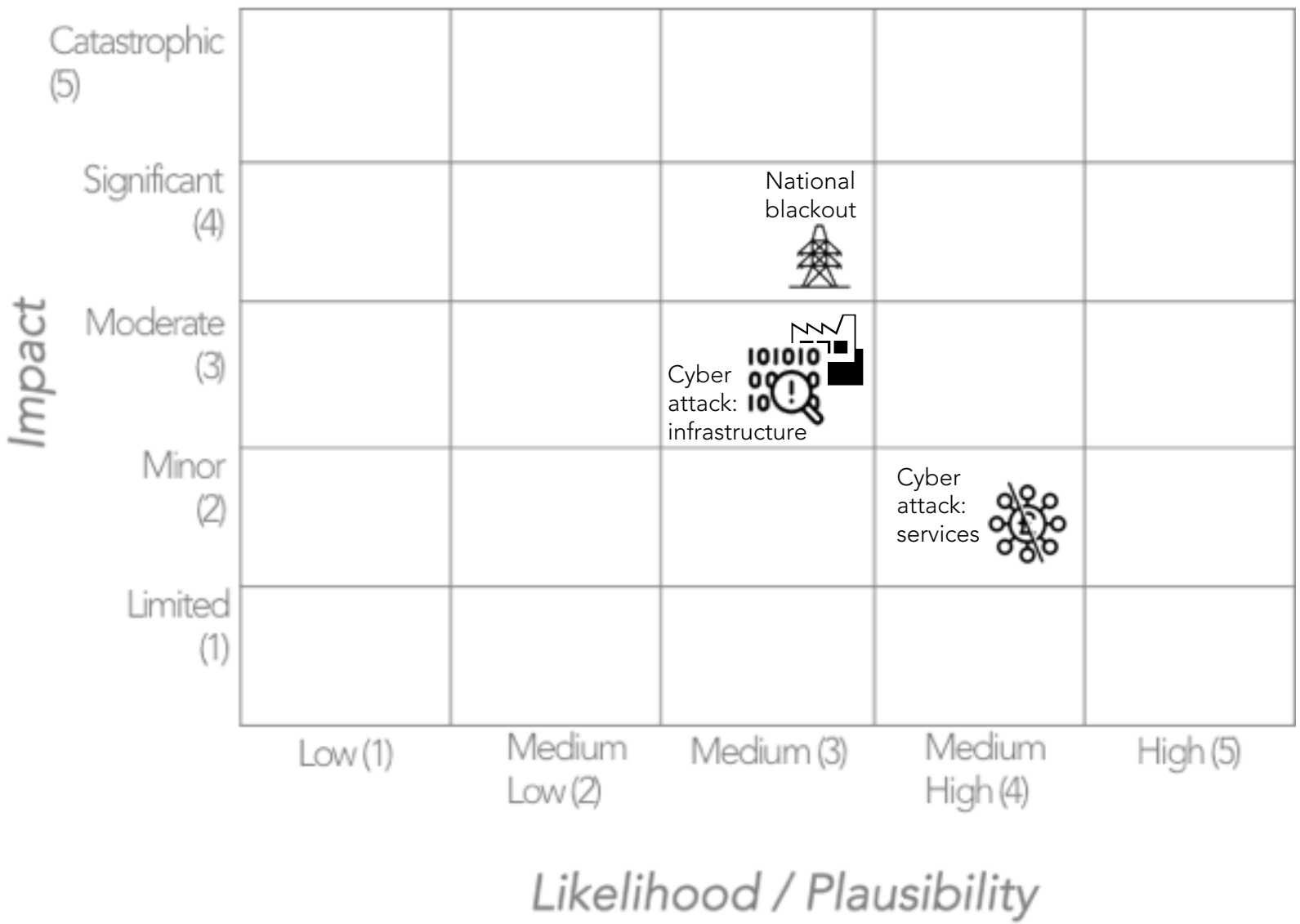
What I'll cover

- UK's view on the current state of cyber threats
- What it all means
- What lies ahead

Current state of cyber threats


Catastrophic (5)
Significant (4)
Moderate (3)
Minor (2)
Limited (1)
Impact
National blackout
Cyber attack: infrastructure
Cyber attack: services
Low (1)
Medium Low (2)
Medium (3)
Medium High (4)
High (5)
Likelihood / Plausibility

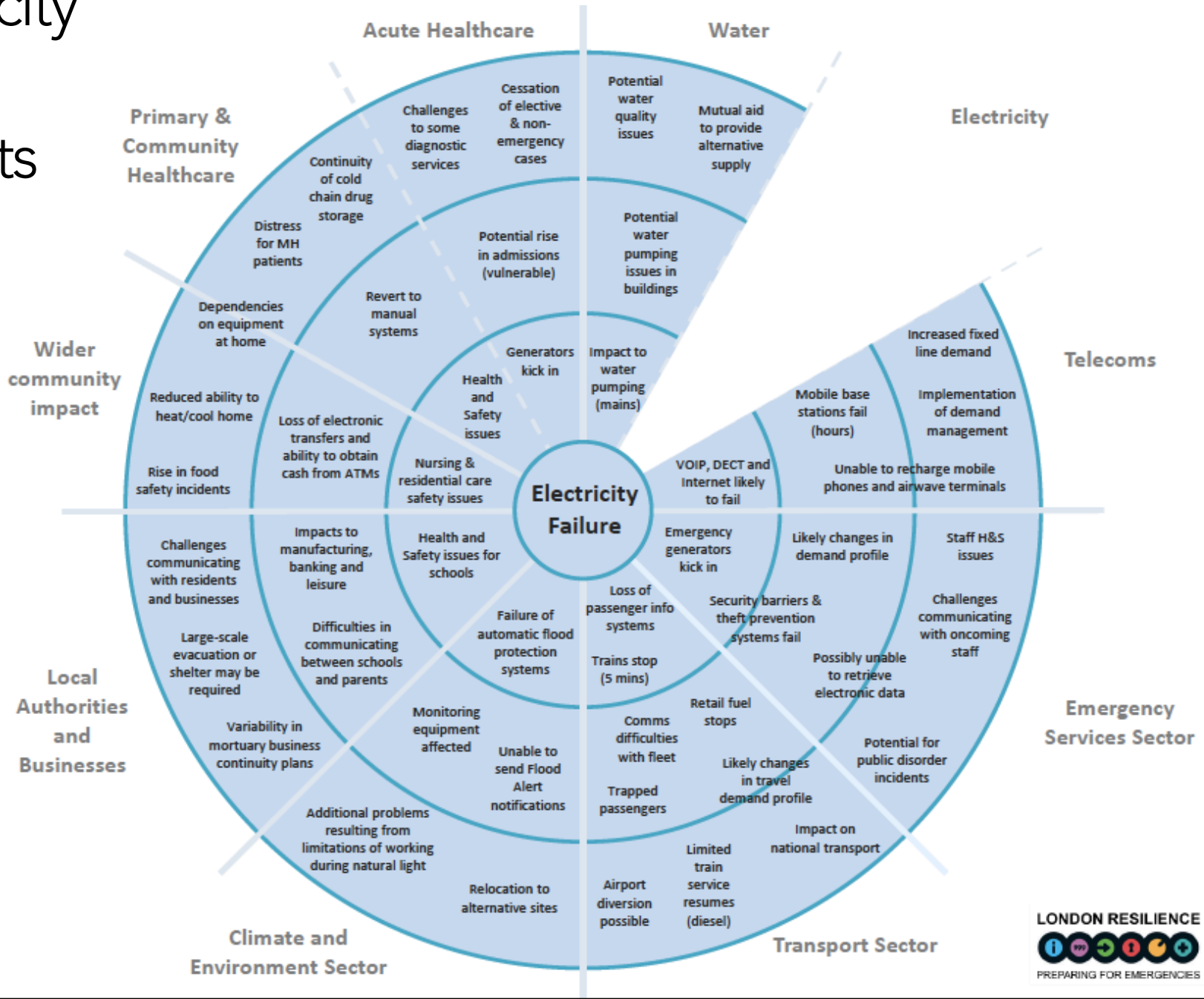
UK's view

Consequences of a cyber attack may include:

- possible fatalities and physical casualties;
- loss of availability, by denying legitimate access to systems and information services;
- loss of confidentiality, through information being stolen or released;
- loss of integrity, where data is damaged or corrupted;
- possible disruption to critical services, such as energy or health;
- economic damage, particularly to business; and
- reputational losses.

What it all means

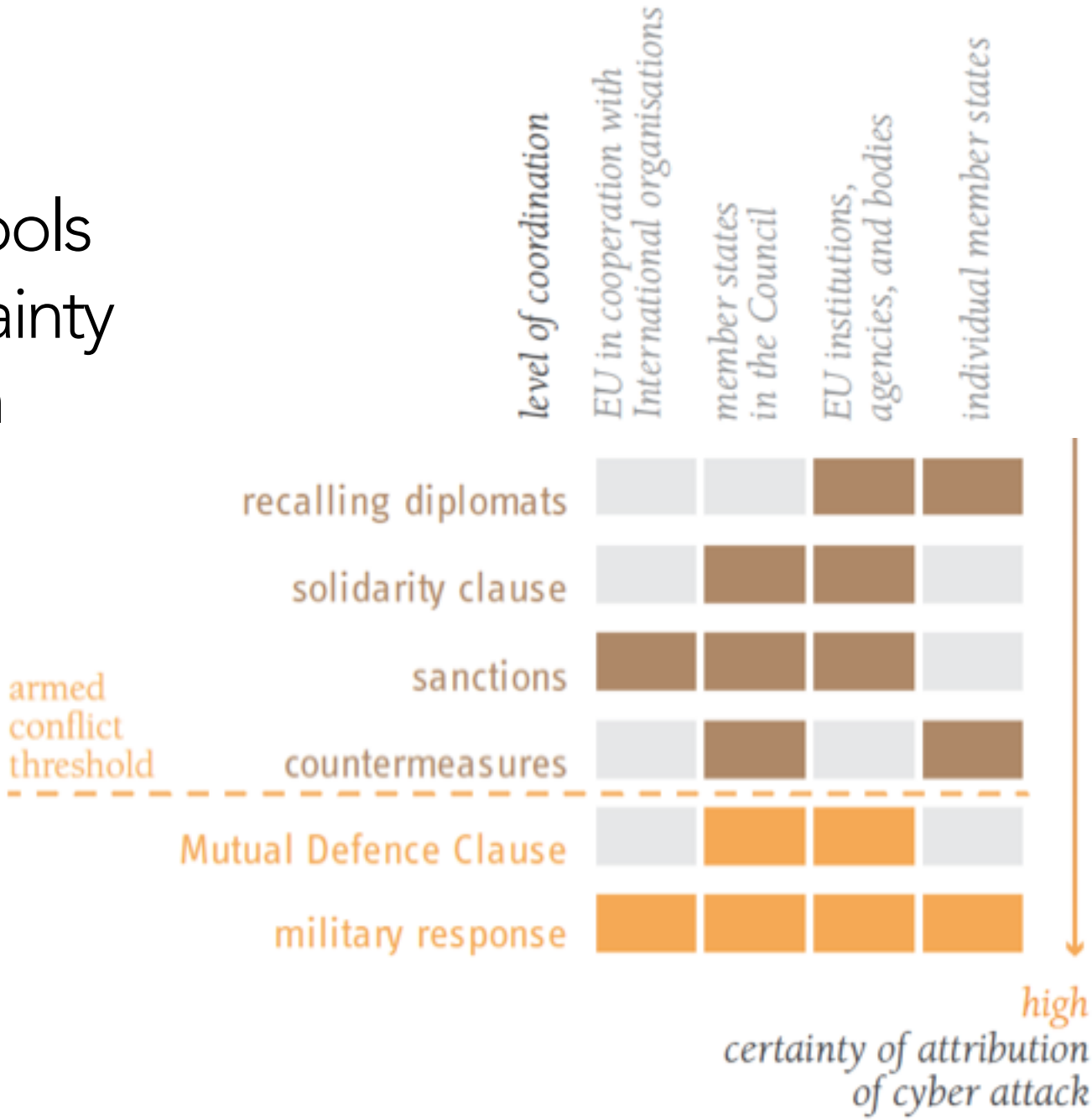
Electricity failure impacts



LONDON RESILIENCE
PREPARING FOR EMERGENCIES

The National Cyber Security Strategy

EU Cyber diplomacy tools and the certainty of attribution



What lies ahead

REGULATION

European Insurance and Occupational Pensions Authority

Supervisory Convergence Plan 2018-2019

- Improve supervision of data and IT-related risks, including cyber risk
- Develop good practices on the supervision of data management, data quality and IT security and governance.
- Work on common supervisory expectations on insurance undertakings' practices on cybersecurity and explore efficient ways to perform a cyber attack test.

Future risks

- Leveraging the internet of things for attacks
- State-sponsored acquisitive cyber attacks
- Cyber as a new domain of warfare
- Cyber weapons race
- Malicious uses of artificial intelligence

thanks

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