LGA Cyber Security Programme

Jamie Cross

Councils in a digital world

Councils in a digital world - The Future

- Increasing levels of digitalisation

- Increasing levels of mobile / remote access

- Increasing levels of data sharing across service areas

- Increasing numbers and sophistication of cyber attacks
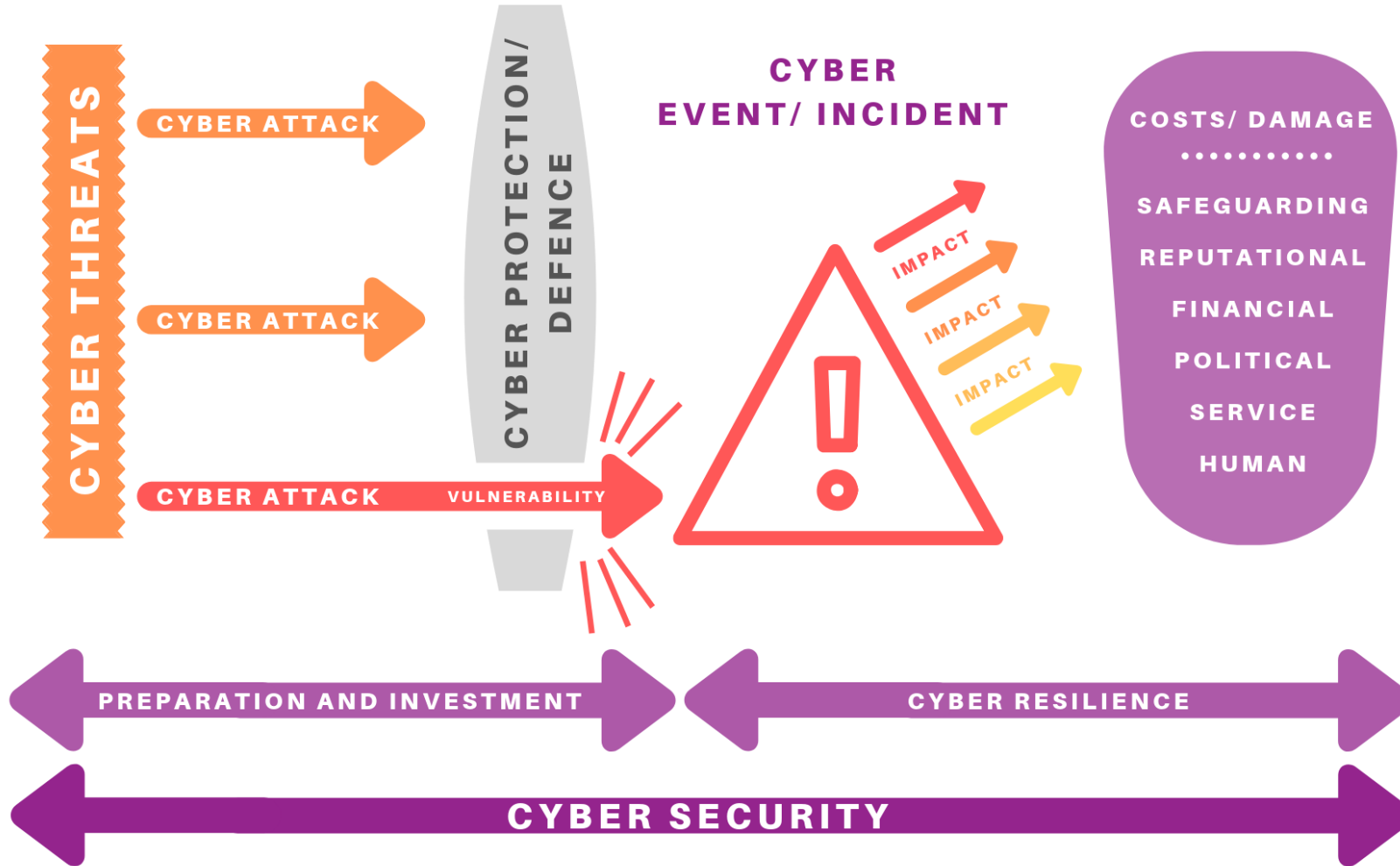
The Threat

▶ **Councils experienced 263 million attacks in the first six months of 2019,**

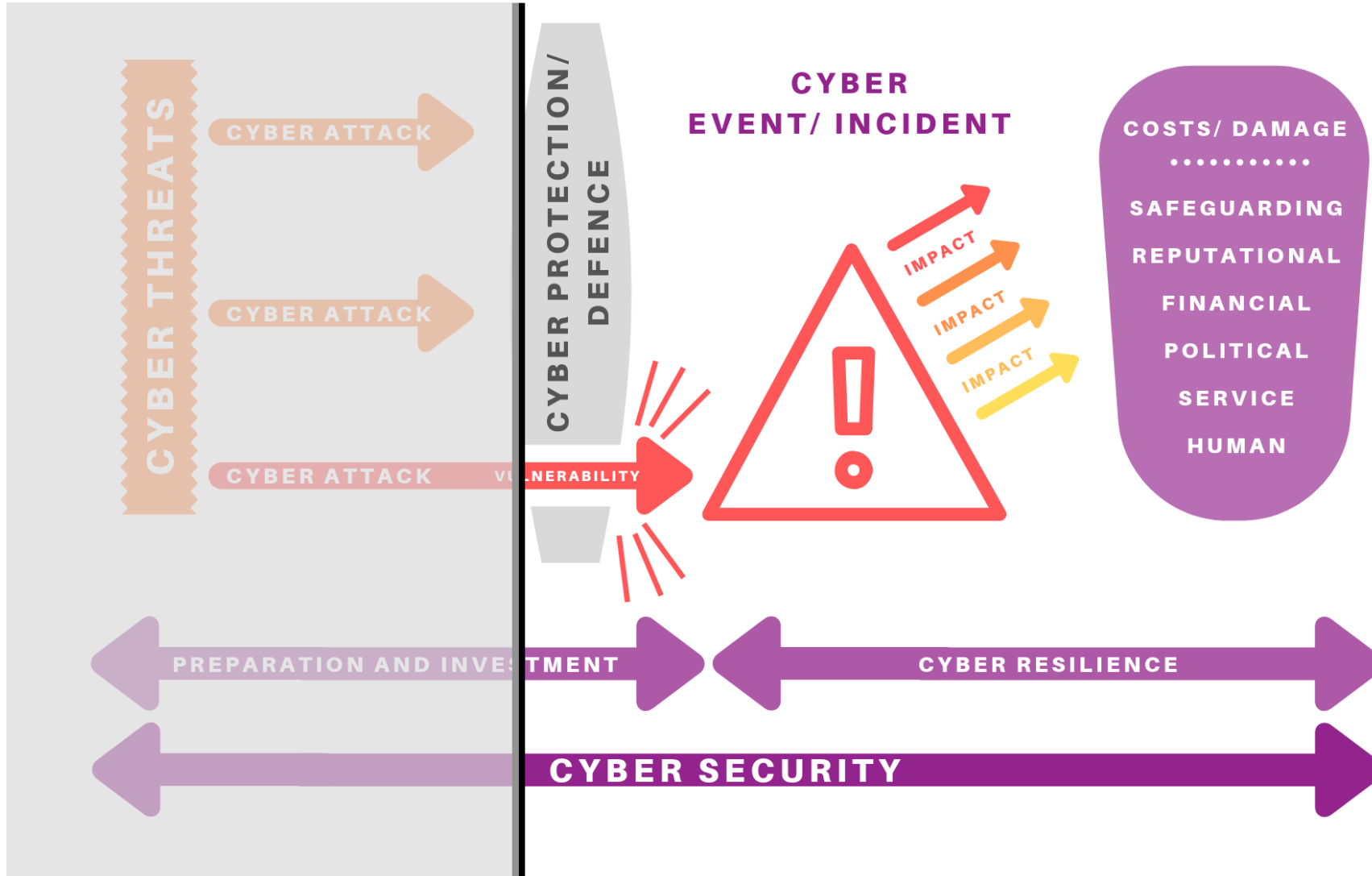▶ **Equating to almost <u>800 attacks every hour</u>.**

*Based on research published by Gallagher based on 203 FOI responses received from UK local authorities between August and September of 2019

So what is Cyber Security?

What Is Cyber Security?

CYBER THREATS

CYBER ATTACK

CYBER ATTACK

CYBER ATTACK

CYBER PROTECTION/ DEFENCE

VULNERABILITY

CYBER EVENT/ INCIDENT

IMPACT

IMPACT

IMPACT

IMPACT

COSTS/ DAMAGE

SAFEGUARDING

REPUTATIONAL

FINANCIAL

POLITICAL

SERVICE

HUMAN

PREPARATION AND INVESTMENT

CYBER RESILIENCE

CYBER SECURITY

What Is Cyber Security?

CYBER THREATS

CYBER ATTACK

CYBER ATTACK

CYBER ATTACK

CYBER PROTECTION/ DEFENCE

VULNERABILITY

CYBER EVENT/ INCIDENT

IMPACT
IMPACT
IMPACT
IMPACT

COSTS/ DAMAGE

SAFEGUARDING

REPUTATIONAL

FINANCIAL

POLITICAL

SERVICE

HUMAN

PREPARATION AND INVESTMENT

CYBER RESILIENCE

CYBER SECURITY

What is the LGA doing about it?

- Councils have a range of cyber security arrangements in place including:
  - Firewalls, scanning services and virus / malware detectors
  - Penetration tests / health checks
  - Resilience exercises
  - Training/awareness raising for councillors and staff
  - Measures in place to manage cyber attack incidents

- Councils also have the necessary compliance / security measures in place to connect to government private networks
  - e.g. PSN, N3, JANet, NHS Mail etc.

The Programme

► LGA is funded by the Cabinet Office National Cyber Security Programme (NCSP)

► Currently in year two of three year programme

　► FY 18/19 - £1.5M

　► FY 19/20 - £1.5M

　► FY 20/21 - £1.3M

► Aim of LGA's work is to improve the overall cyber security of councils.

Year One – FY 2018/19

► Cyber Security Stocktake

    ► Completed by <u>all</u> English councils

    ► Informed a grant funded programme

► Grant funded programme:

    ► Funded 88 bids, involving 116 councils.

    ► Council from every region and all types received funding

The Stocktake

The Stocktake

- The stocktake was designed and developed through collaboration between RAND Europe, the LGA, and other stakeholders.

- The stocktake was framed by the NCSC's Cyber Assessment Framework.

- The stocktake set out to investigate a range of different arrangements based on five functional areas:
    - Leadership
    - Governance
    - Awareness
    - Technology
    - Partnering and Engagement

The Stocktake

- All 353 English councils submitted their assessment (i.e. 100% response rate)

- Each council received their own unique assessment which reflects back the answers they provided.

- The aim was to enable councils identify the areas for potential work as well as to help get this on the agenda for senior officers and elected members.
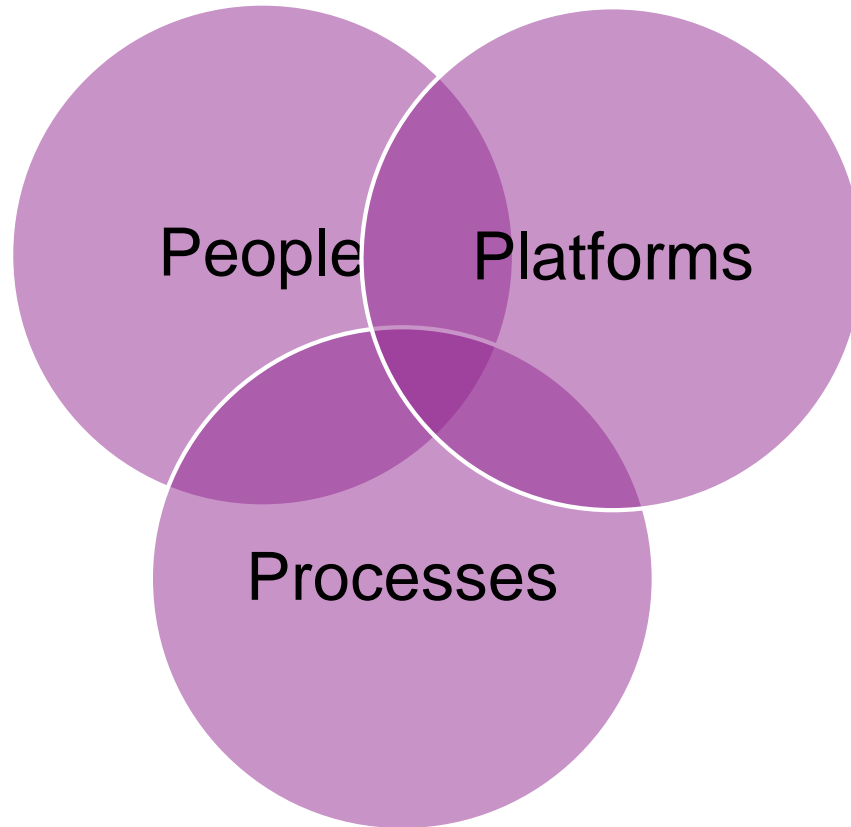
The Stocktake:
Summary of key findings

- **Technology** is the strongest area.

- **Awareness** is the weakest area.

- **Leadership, Governance** and **Partnerships** are also be areas for further development.
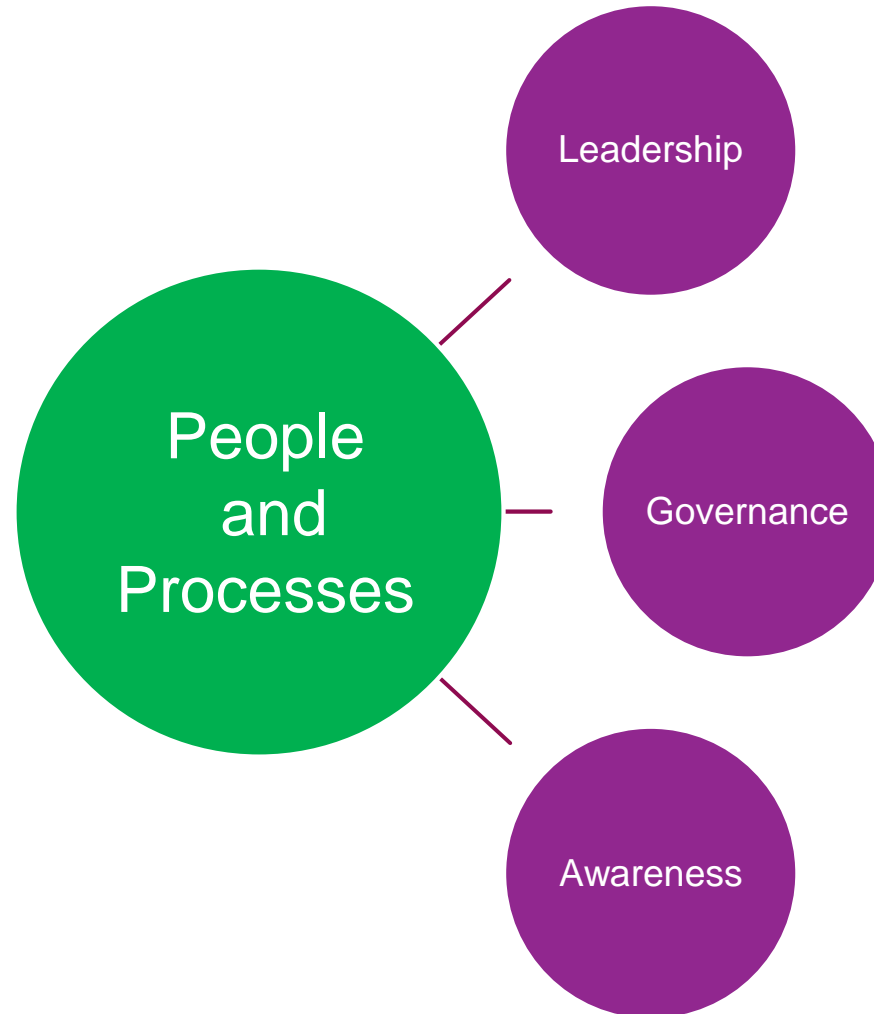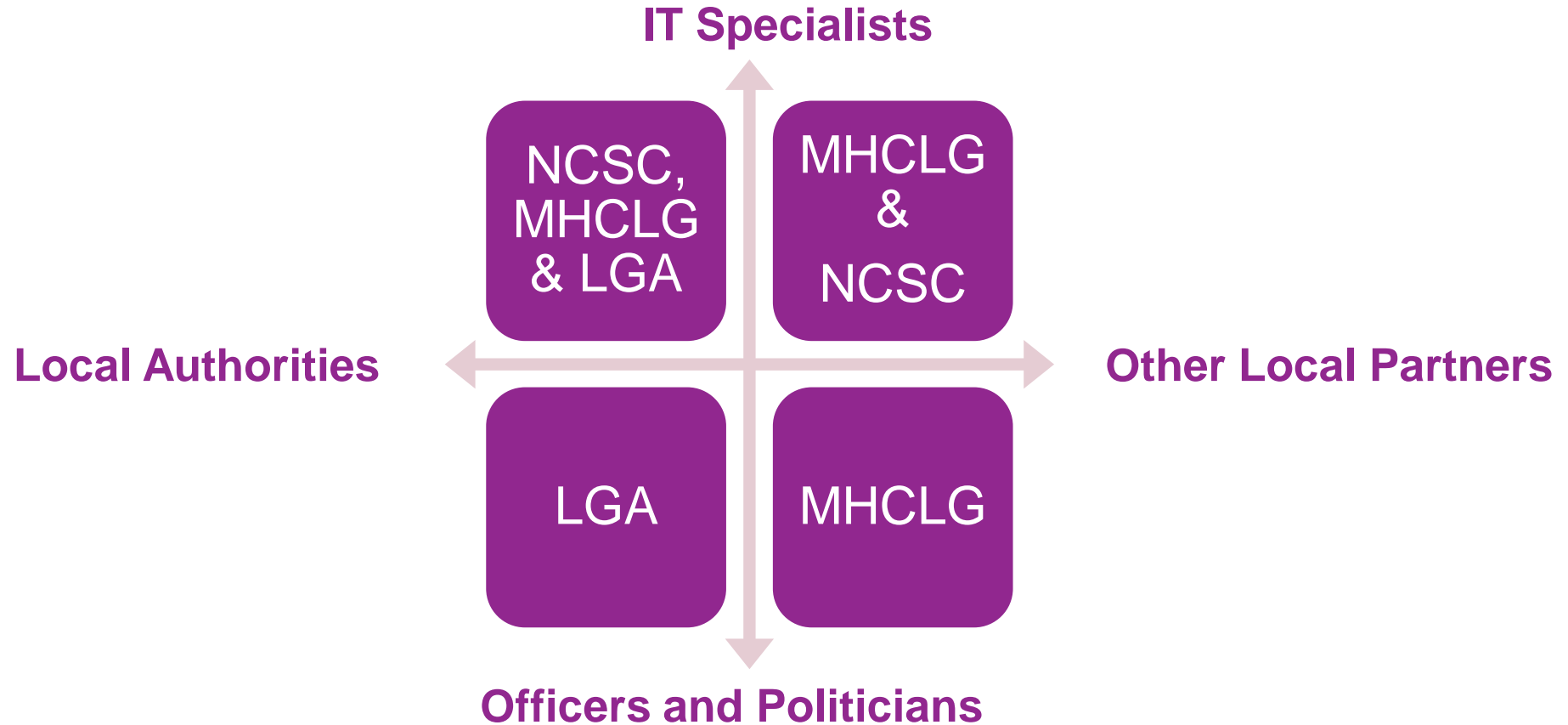
What does that mean for the programme?

Programme Focus

Partnering with MHCLG & NCSC to improve Cyber Security in Local Government – **Who is best placed to deliver to who?**
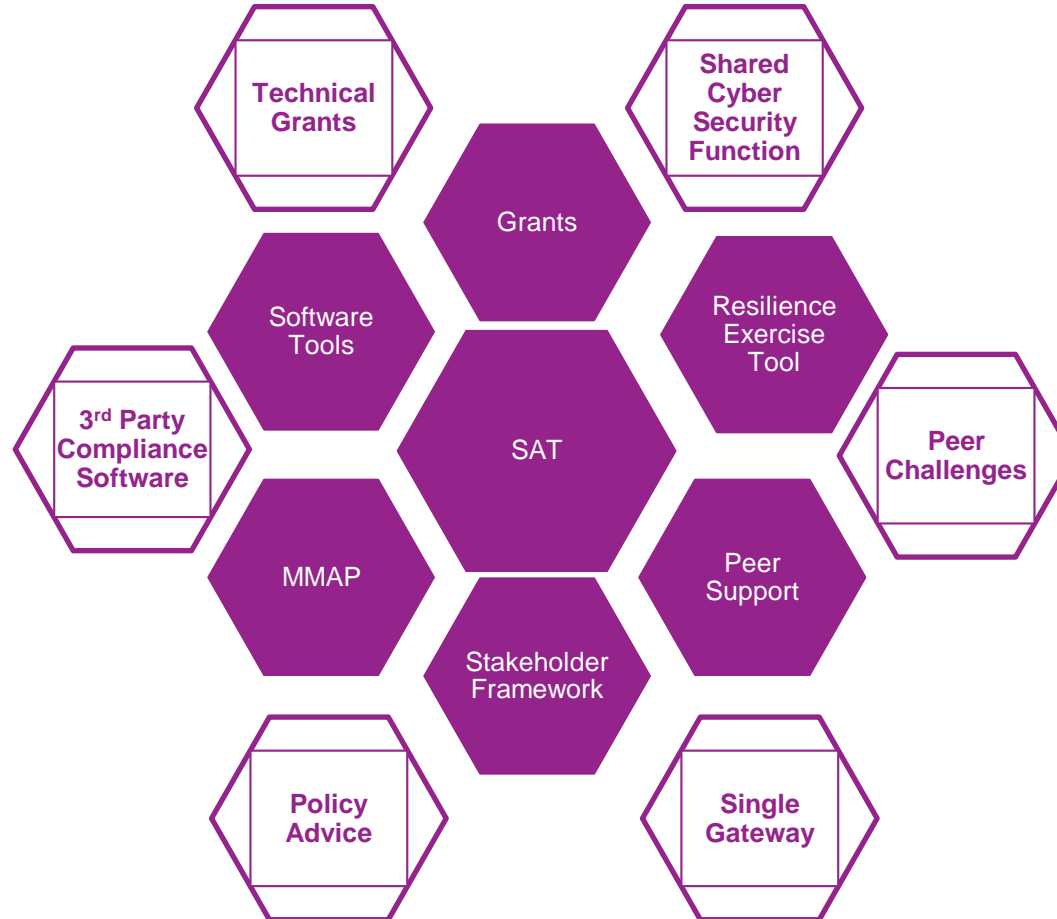
So what's the plan?

Self-Assessment Tool

► The tool aims to support local authorities to:

- ► assess what arrangements are currently in place,
- ► identify good practice within the council or shared service, and
- ► identify risks and areas for improvement.

► The tool will be open for two set time periods each year - May and November.

► First time period opened in October and will close before Christmas.

Year Two – FY 19/20

£540k grant funding to 104 councils

Beyond 2020

Local Government Association

Technical Grants

Shared Cyber Security Function

Grants

Software Tools

Resilience Exercise Tool

3rd Party Compliance Software

SAT

Peer Challenges

MMAP

Peer Support

Stakeholder Framework

Policy Advice

Single Gateway

Any Questions?

▶ Jamie Cross

  Jamie.Cross @local.gov.uk

▶ LGA Cyber Mailbox

  CyberSecurity @local.gov.uk