CYBERCRIME UNIT UPDATE

JULY 2023

THE CYBERCRIME UNIT

- 1 sergeant & 5 constables
- Specialist multidisciplinary team, trained in:

  Digital forensics

  Incident response

  Digital crime scene management

  Forensic data recovery and analysis

  Computer networks

  Malware analysis

  Cryptocurrency investigation and seizure

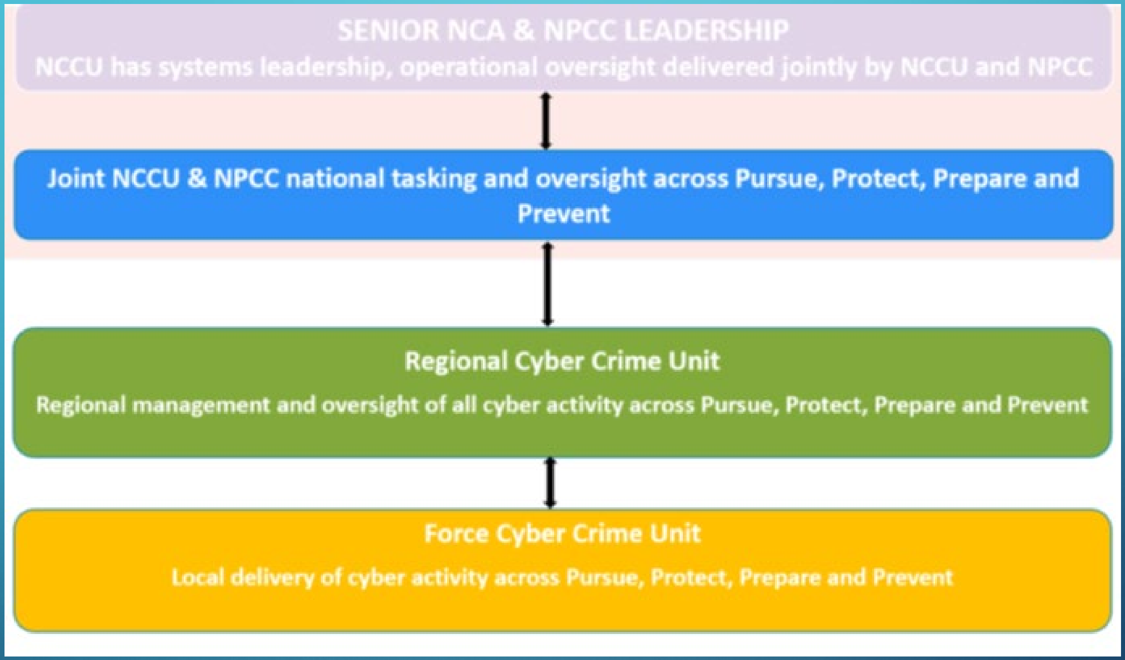
  Smartphone acquisition

  Open-source intelligence research

  Ethical hacking
- Cyber-dependent crime remit
- 24/7 on-call function
- Investigative support

TEAM CYBER UK

- Nationally led, regionally managed, locally delivered model



SENIOR NCA & NPCC LEADERSHIP

NCCU has systems leadership, operational oversight delivered jointly by NCCU and NPCC

Joint NCCU & NPCC national tasking and oversight across Pursue, Protect, Prepare and Prevent

Regional Cyber Crime Unit

Regional management and oversight of all cyber activity across Pursue, Protect, Prepare and Prevent

Force Cyber Crime Unit

Local delivery of cyber activity across Pursue, Protect, Prepare and Prevent

THE STRATEGIC POLICING REQUIREMENT

Nationally-set objectives:

- Reduce cybercrime
- Increase support for victims and potential victims of cybercrime
- Reduce the wider fear of cybercrime and increase the public's satisfaction with cyber policing

OVERSIGHT & PERFORMANCE

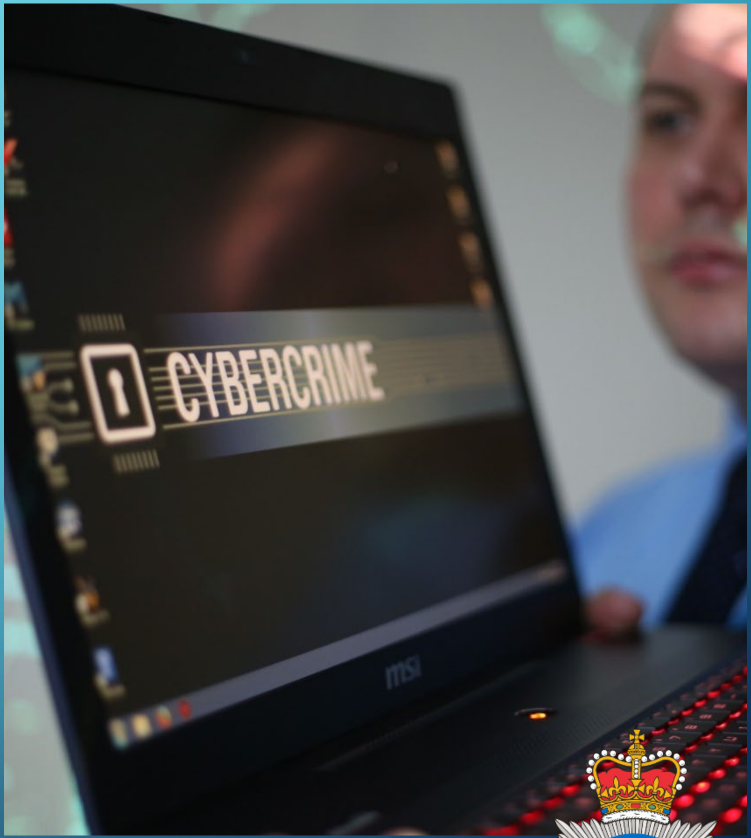
- **Fortnightly** – NYP Cybercrime Unit Inspector and Sergeant meet with Detective Inspectors from Regional Cybercrime Unit
- **Monthly** – Regional Prevent/Protect Performance & Governance Meeting
- **Quarterly** - Regional Strategic Governance Group meeting (SGG) between Regional Organised Crime Unit Detective Superintendent and Force Superintendents

THE 'FOUR PS'

- **PURSUE:** Deter and disrupt state, criminal and other malicious cyber actors and activities against the UK, its interests, and its citizens
- **PREVENT:** Prevent people from cyber offending, remove enablers and reduce incentives of cyber crime
- **PROTECT:** Protect through building cyber security and resilience of UK and its economy, including safeguarding its citizens
- **PREPARE:** Strengthen capability to prepare for, respond to and recover from cyber attacks to minimise harm caused and support victims

THE WORK OF THE CYBERCRIME UNIT

- REMIT: The investigation of complex, cyber-dependent crimes
- Offences covered under Computer Misuse Act 1990
- Illicit intrusions into computer networks – "hacking"
- The disruption or downgrading of computer functionality and network space, e.g. malware, ransomware and denial of service attacks



THE WORK OF THE CYBERCRIME UNIT

- Additionally:
- Investigative support to other departments
- "Cyber enabled" crimes with significant digital footprint:
  - Online fraud/scams
  - Online child sexual abuse
  - Technology-perpetrated domestic violence
- 24/7 on-call – urgent serious/major crimes (e.g. murder, rape, organised crime, high-risk missing persons)

PURSUE - INVESTIGATIONS

- 2022/2023 – over 140 cyber-dependent referrals from Action Fraud
- Very wide range of investigations
- Social media account compromises (individuals losing access to Facebook, Instagram etc)
- Denial of service attacks on schools
- Large-scale ransomware attacks on multi-million pound businesses

- 100% of cases identified as PURSUE have been thoroughly investigated
- 100% of victims referred to NYP Cybercrime Unit have received PROTECT advice from specialist officers

PURSUE - INVESTIGATIONS

- Ransomware - “the most significant cyber threat facing the UK”
- Between April 2022 and March 2023, the UK was the second most attacked country in the world
- North Yorkshire businesses are regularly attacked
- Significant financial/logistical/reputational impact to victims
- Investigations are complex, highly-specialised and protracted in nature

PURSUE - INVESTIGATIONS

- Recently, the NYP Cybercrime Unit acted on urgent information from the National Cyber Security Centre
- Officers deployed to large (£35 million turnover) North Yorkshire-based business
- Were able to identify and prevent an imminent ransomware attack – which would have been devastating to the company had it succeeded
- Required highly-specialised skills and knowledge

National Cyber
Security Centre
a part of GCHQ

NORTH YORKSHIRE POLICE

PROTECT – Operating Model

- Deliver approved **Protect campaigns and messages** timely and effectively within the North Yorkshire
- Promote, monitor and use **Police Cyber Alarm** to identify local nominals engaging in cyber criminality, ensuring any intelligence is shared to enable tasking development
- Provide a swift and effective response to **Protect Notifications and tasking**, ensuring businesses receive initial, short term support and advice
- Ensure **referrals are made to the NEBRC** via the Region Cybercrime Unit for medium and long term engagement and relationships

PROTECT

- Cyber escape rooms
- Exercise to teach businesses good online security
  - Phishing
  - Data privacy
  - Password strength
- Teams compete to “escape” in the quickest time
- Over 165 participants since being introduced in January

PROTECT

- Community engagement/education
- In last 12 months, team have attended events in Scarborough, Malton, Whitby, York, Harrogate, Ripon, Skipton and Northallerton
- Specialist cybercrime officers have spoken with over 1500 members of the public during these engagements

North Yorkshire Police Cybercrime Unit
STAY SAFE FROM ONLINE CRIMINALS
Stay safe from online criminals
POLICE
Stay safe from online criminals

PROTECT

- PROTECT presentations to small/medium businesses and community groups, including:
  - Dementia Forward
  - Children's Family Services
  - Age UK Scarborough
  - Carers Plus
  - Harrogate Over 50's Forum
  - Barclays Bank & Northallerton Library Drop-In Sessions
  - Biz Group 66
  - Heworth Parish Council
  - Fifties and Thereabouts (York)
  - Swainby & Potto Women's Institute
  - Humberside Tech Week

PREVENT – Operating Model

- Deliver approved **Cyber Prevent (Choices) campaigns and messages** timely and effectively within their Force area
- Review and assess **Cyber Prevent referrals** and process swiftly to the RCCU
- Ensure a **safeguarding assessment and referral** is completed and recorded on Force systems for every Cyber Prevent subject
- Provide short-medium term **support and advice to all Cyber Prevent subjects**

PREVENT

- Cyber Switchup 23
- NYP Cybercrime Unit working with Yorkshire & Humber ROCU
- Young people aged 11-16
- Grand final – Harrogate Pavilions – 8th August
- Showcasing the cyber/digital skills and talent of young people in the region
- Promoting cyber/digital pathways for higher education and careers
- Encouraging positive and lawful cyber behaviours

CYBER SWITCHUP 23
YH ROCU

NORTH YORKSHIRE POLICE

PREPARE

Cyber PREPARE resilience has three key aspects

- First, the nature of the **risk** needs to be understood.
- Second, systems need to be **secured** to prevent and resist cyber attacks.
- Third, recognising some attacks will still happen, we seek to encourage businesses to prepare for these, to be **resilient** enough to minimise their impact and be able to recover.
- **How do we do this?** We deliver consistent, accurate and approved messaging from the National Cyber Security Centre (NCSC) e.g. Sharing NCSC guidance on how organisations can defend against malware or ransomware attacks, including how to prepare for an incident and steps to take if an organisation is already infected.

QUESTIONS?