



West Midlands Cyber Ecosystem

West Midlands Cyber Ecosystem (WMCE)

Cyber Working Group

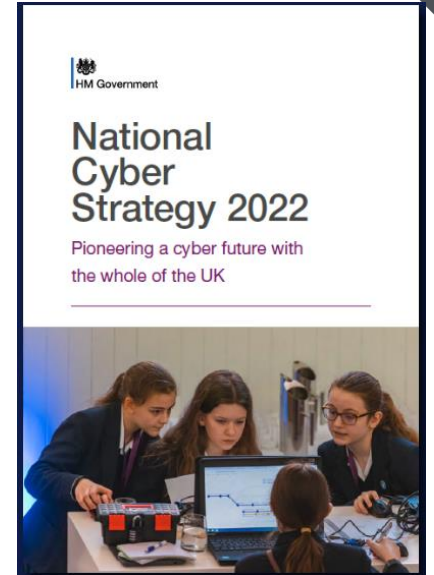
A community response to

Pillar 1, National Cyber Strategy

03 March 2022

Agenda

1. Welcome and introductions
2. National Cyber Strategy Pillars and objectives
3. Review groups Terms of Reference
4. Resource mapping
5. What are our regional strengths and capabilities?
6. Marketing & Publicity
7. Activities
8. A.O.B / Date of next meeting



National Cyber Strategy: 5 Pillars



Pillar 1: Strengthening the UK cyber ecosystem, investing in our people and skills and deepening the partnership between government, academia and industry

Pillar 2: Building a resilient and prosperous digital UK, reducing cyber risks so businesses can maximise the economic benefits of digital technology and citizens are more secure online and confident that their data is protected

Pillar 3: Taking the lead in the technologies vital to cyber power, building our industrial capability and developing frameworks to secure future technologies

Pillar 4: Advancing UK global leadership and influence for a more secure, prosperous and open international order, working with government and industry partners and sharing the expertise that underpins UK cyber power

Pillar 5: Detecting, disrupting and deterring our adversaries to enhance UK security in and through cyberspace, making more integrated, creative and routine use of the UK's full spectrum of levers



Pillar 1: UK Cyber Ecosystem Objectives



Strengthening the UK cyber ecosystem, investing in our people and skills and deepening the partnership between government, academia and industry.

Objective 1:

Strengthen the structures, partnerships and networks necessary to support a whole-of-society approach to cyber

Objective 2:

Enhance and expand the nation's cyber skills at every level, including through a world class and diverse cyber profession that inspires and equips future talent.

Objective 3:

Foster the growth of a sustainable, innovative and internationally competitive cyber and information security sector, delivering quality products and services, which meet the needs of government and the wider economy.

Objective 1: components

Strengthen the structures, partnerships and networks necessary to support a whole-of-society approach to cyber

- 66. Cyber power requires a whole-of-society approach.
- 67. More inclusive industry, academia, citizens
- 68. More integrated and effective regional cyber networks
- 69. Build the range of relationships



Objective 2: components

Enhance and expand the nation's cyber skills at every level, including through a world class and diverse cyber security profession that inspires and equips future talent

- 70. Develop a sustained and diverse supply of highly-skilled people into the cyber workforce,
- 71. Increase the number of people who have the skills
- 72. A higher quality and more established, recognised and structured cyber security profession.
- 73. A more diverse cyber workforce, with underrepresented groups and those from disadvantaged communities
- 74. A steady and diverse flow of highly-skilled people coming through our education system.
- 75. Government is better able to identify, recruit, train and retain the cyber professionals it needs.



Objective 3: components

Foster the growth of a sustainable, innovative and internationally competitive cyber and information security sector, delivering quality products and services, which meet the needs of government and the wider economy

- 76. To enhance our national cyber power and drive digital growth and exports, the UK needs a vibrant cyber sector made up of high quality, trustworthy companies.
- 77. Companies also need to feel confident they are innovating in line with government approved parameters that other organisations are also following.
- 78. A cyber sector that has achieved greater than average global growth year on year, including through trade and cyber exports.
- 79. An even more innovative cyber sector that has seen a significant increase in early stage investment and more cyber businesses that have been able to launch, grow and scale.
- 80. A UK cyber economy that has been levelled up.
- 81. A greater number of companies able to offer cyber security technologies, products and services that meet independently verified quality standards, increasing user confidence.



Aim | Vision | Mission

Aim

Create a coherent alliance in response to the national cyber strategy that generates commercial and research value for the region's businesses and universities

Vision

A healthy cyber ecosystem that is both competitive and collaborative. One that shares best practices and leverages our diversity to become more resilient, innovative and attractive nationally and globally.

Mission

Coordinate events & activities to attract a larger national and global audience

Actively support academic and business Research & Innovation

Support Policy changes locally and influence nationally



WEST MIDLANDS CYBER ECOSYSTEM

Advisory Board

The regional advisory group that will aim to unify the activities and vision for the region. To be the voice of the region. To feed into the WMCA and National Cyber Advisory Board. The role of the group is to bring together representatives of the West Midland cyber ecosystem to guide and inform the West Midlands Cyber strategy and work streams. Specifically it will:

- Provide aspirational input into the design of WM Cyber activities, initiatives, and capabilities
- Initiate, evaluate and prioritise opportunities for collaboration and regional growth
- Monitor the performance of individual work areas
- Align activities across the sector in West Midlands
- Provide a means of representing the sector in West Midlands to wider stakeholders nationally and globally including to central Government and industry bodies
- Raise awareness of priorities, activities and progress across WM by championing initiatives
- Escalate opportunities and risks or issues to the WMCA Digital Steering Group

IAWM Cyber Working Group

To provide the platform for

- collaboration and exploring ways to advance adoption and commercialisation of cyber security processes, policies, platforms and products.
- sharing insights and best practices on relevant and emerging cyber technologies
- working together to influence the strategies, policies and operational ingredients needed to maximise the benefits from the regions strong technology and business services networks.

Open to all to become members, to attend workshops, seminars, meetings etc.

Cyber Assets for the West Midlands

- Innovation Alliance for the West Midlands
 - Whole of society approach (P1:066 + 067)
- Midlands Cyber Cluster
 - The UK3C connection (P1:068)
- Universities, Colleges, Research Centres/labs
 - NCSC Certification + stakeholders (02:71+74+75)
 - Science Parks & Innovation Hubs (03:72+79)
- Activities Events & Networks
 - Cyber Fringe Festival: Diverse cyber event/expo (02:73)
 - Birmingham Tech week + VentureFestWM (03:72+79)
- Industry
 - Innovative and globally connected



WMCE Planning required

1. Governance

- Light touch, Transparent, Ecosystem [board] meeting six * annually online

2. Mapping ecosystem

- Networks: IASME + WMCRC + Science Parks + Tech centres + Industries
- Influencers: People & Organisations

3. Activity schedule

- Built around key cyber events (500+ people)
- Leverage funded activities

4. Communications & Content

- Leverage IAWM + amplify through our networks + Big 5 + conventional channels
- Content library the promotes the region

Sectors we can focus on

- Aerospace
- Automotive
- Manufacturing
- Defence
- Finance & Professional Services
- Public Services
- SME
- Transport
-

COMMUNITY

Talk shop with other Cyber hackers and professionals

INTERVIEWS

Learn from transparent security stories.

PODCASTS

Raw conversations with cyber professionals.

MEETUPS

Meet cyber professionals from the region.

PRODUCTS

See what everyone's using & working on.

NEWSLETTER

Stay up-to-date in 5 minutes or less.

CONTRIBUTE

Share knowledge and experiences

Give time and do good: Cyber For Charity.

Next Actions

- Website: IAWM
 - Iain / Devon / Hugo / ...
- Logo
 - Working Concept, Needs the diversity element, Colours?
- Brainstorm to improve this strategy
 - Capacity
 - Capability
 - Sustainability
 - Opportunities
 - External Threats & Internal Weaknesses
- Working group:
 - Progress Update in May
 - Record activities to the NCS Objectives components



West Midlands Cyber Ecosystem

References

- National Cyber Strategy 2022

<https://www.gov.uk/government/publications/national-cyber-strategy-2022/national-cyber-security-strategy-2022>

- A design-led approach to embracing an ecosystem strategy

<https://www.mckinsey.com/business-functions/mckinsey-design/our-insights/a-design-led-approach-to-embracing-an-ecosystem-strategy>

- Ecosystem Mapping

<https://www.boardofinnovation.com/tools/ecosystem-mapping/>

<https://www.strategytools.io/strategy-tools/ecosystem-map/>

- Ecosystem creation

<https://medium.com/neemz-growth/building-business-ecosystems-73ecdb53053b>

