



North & Mid Wales Trunk Road Agent



Cyber Security and Resilience Engineer

Recruitment Pack

Welcome from the Head of Service



Mark McNamara
NMWTRA HEAD OF SERVICE

At the NMWTRA, we help create a road network that connects people and places in a safer, greener and more reliable way.

We work on projects across North and Mid Wales that address some of the country's most critical challenges. From complex infrastructure, increasing transport needs, and climate change – we combine innovation, expertise and technology to make North and Mid Wales a better place to live, work and visit.

You can contribute to work that will have a lasting positive impact on your local community with an organisation where diversity, equity and inclusion are shared values. We're committed to fostering a work environment that's supportive, respectful, and inclusive, with great opportunities for growth.

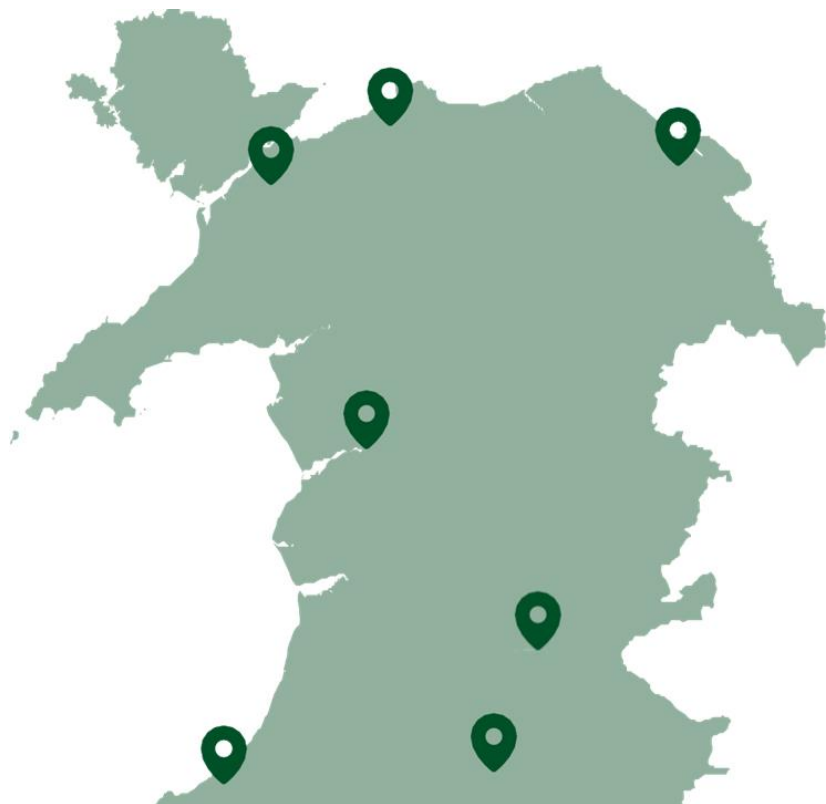
Why not give it a try? We would be very happy to consider your application to join our skilled, enthusiastic, and friendly team.

A handwritten signature in black ink, appearing to read 'Mark McNamara'.

Where we're based

**Over 250
employees
based across
North and Mid
Wales.**

- Aberystwyth, Ceredigion
- Bangor, Gwynedd
- Conwy
- Dolgellau, Gwynedd
- Halkyn, Flintshire
- Llandrindod Wells, Powys
- Newtown, Powys





Job Title: Cyber Security and Resilience Engineer

Salary: £36,124– £37,938

Duration: Permanent

Location: Traffic Management Center Conwy

Closing date: 07/08/25 10:00

[Application forms and further details available through Gwynedd Council website **www.gwynedd.gov.uk** or phone **01286 679076**.](#)

[Apply here](#)

[Ymgeisiwch](#)

Purpose of post

The post involves the responsibility of monitoring the Security Assurance Programme to cover current and current technology threats across the Traffic Wales Communications and Systems Infrastructure, as well as Coordinate and document effectively on Cyber Security compliance requirements, in accordance with security policies, standards and legislation where applicable, to industry best practice.

Provide input on the security and resilience of the infrastructure and the ability to recover through successful incident response as well as to ensure that the systems infrastructure is supported in accordance with policies and procedures adopted by the Welsh Government and Trunk Road Agencies.

A group of construction workers wearing high-visibility orange and yellow safety suits and hard hats are standing on a concrete bridge deck. In the background, a large crane is visible against a backdrop of green hills under a blue sky with scattered clouds.

Responsibilities

Main Duties

Staff:

- Provide guidance and support to other stakeholders, including but not limited to the Tunnels Team, Intelligent Transport Systems Team, Public Communications Team and the Operational Control Rooms.
- Work as a technical lead for security on various systems integration projects.
- Be a technical resource for other project teams.
- Work closely with other stakeholders and monitor the progress of various project activities.

Finance:

- Be aware of budgetary structures and support project/contract constraints.
- Provide services for small, medium and large projects.

Data/Tools/Software:

- Have input into the Cyber Security aspects of safety critical monitoring and control systems. Provide technical support to any technical new projects.
- Input on any hardware or software used in the interests of protecting all Traffic Wales systems and data.
- Have input into the security aspects of systems that have an impact on all internal and external stakeholders and have a direct impact on the public (and make decisions about them).
- Have responsibility for establishing and preserving internal and external firewall policies.
- Responsibility for the web usage filtering service
- Develop and maintain system security objectives, strategy and policy.
- Ensure that such plans, policies and strategies are agreed with relevant stakeholders.
- Ensure that all relevant documents are updated when changes are made.
- Liaise with individuals/external bodies to resolve complex issues.

Decision making, organisation and innovation:

- Proactively review compliance to Cyber Security standards.
- Respond to IT security incident(s), researching and analysing, documenting and reporting, including improvement recommendations.
- Monitor for security violations, attacks or unusual activities, including identifying permissions abuses etc.
- Identify new ideas and efficiencies about how Traffic Wales can create efficiency improvements, improve services provided to other stakeholders or create new opportunities within the Traffic Communications and Systems Infrastructure Team and within current projects and across the organisation.
- Input into the decision-making process regarding supplier and product selection.
- Manage one's own highly complex and technical workload to meet targets.
- Be able to perform multiple tasks simultaneously.
- Be able to strike a balance between project work delivery requirements and high pressure and ad-hoc support work to ensure they remain available to the Traffic Communications and Systems Infrastructure Team.
- Lead on policies and procedures, which he/she will be required to document.
- Input into the business planning process.
- Contribute towards ensuring that performance targets and improvement measurements are achieved or exceeded.

Communicate:

- Excellent communication skills to communicate with various stakeholders.
- Write reports for stakeholders on Cyber Security performance.



Person Specification

You should refer to these job specific criteria in your application form.

Job Specific Criteria

Personal attributes:

Essential

- Need to be independent and able to make decisions on his/her own and as part of a team.
- Proactive in continuing to learn about the latest in a complex and rapidly changing industry.
- Able to gain skills and continually update as the industry progresses.
- Owns full UK driving licence

Qualifications and relevant training

- Relevant Degree or Cybersecurity qualification (e.g. CISSP, CEH, CCSP, CISM)

Relevant experience:

- Experienced in engineering and supporting Security systems (eg firewall, antivirus software etc)
- Experience using systems to identify and report Security vulnerabilities
- Broad understanding of Security standards eg NCSC CAF, Cyber Essentials, NIST etc
- Professional officer with broad experience in network support, maintenance and design
- Experience in infrastructure analysis and design

Skills and special knowledge

- Knowledge of IT infrastructure, hardware, operating systems, wide area/local networks etc
- Strong documenting skills, and ability to document reports to a technical and/or non-technical audience
- Experience in Cyber Security management, including prevention, monitoring and detection of incidents, attacks, interventions and other unusual, illegal or malicious activities
- Aware of developments in the area of expertise
- Being able to solve problems logically
- Detailed knowledge of wireless equipment and switches with the ability to set up, configure, maintain and support them
- Ability to set up, configure, maintain a firewall

Working for the North & MidWales Trunk Road Agent

We are committed to developing and supporting our staff.



- 29.5 of annual leave per year.
- Flexible working hours



- Incremental pay increase
- Generous Local Government Pension Scheme further information on the [Gwynedd Pension Fund](#) website.



- Assisted car purchase & cycle to works schemes.
- Lifestyle savings on groceries, holidays, eating out, DIY, electricals, insurance, motoring, and much more!



- On the job learning and exciting career development opportunities.
- Contribution towards the membership of professional bodies which are relevant to the role.



- Free and confidential counselling service for staff
- Maternity, paternity, foster, adoption, and shared parental leave