

<b>Job Title</b>	Penetration Testing Specialist
<b>Reports To</b>	Asset Security Assurance Manager
<b>Grade</b>	Technical Tier 2

<b>Purpose</b>	Deliver accurate, technical risk assessments of WWU's IT and OT landscape through the provision of penetration testing, vulnerability assessment, and related research and analysis.
<b>Key Accountabilities</b>	<ul style="list-style-type: none"> <li>• Define and manage the penetration testing schedule for WWU, taking into account system criticality with respect to NIS.</li> <li>• Conduct internal penetration testing of WWU applications and systems</li> <li>• Manage external vendors providing penetration services to WWU and arrange and schedule their work.</li> <li>• Proactively research vulnerabilities in WWU's external and internal-facing systems and infrastructure (IT and OT)</li> <li>• Proactively research vulnerabilities in WWU's human defences (social engineering)</li> <li>• Proactively research internal and external information leakage that may assist malicious actors in preparing for or executing an attack</li> <li>• Prepare detailed reporting on vulnerabilities and the remedial actions recommended</li> <li>• Accurately quantify discovered vulnerabilities in risk terms, ensuring that the security risk register correctly reflects known technical and human vulnerabilities</li> </ul>
<b>Technical Know-How &amp; Skills</b>	<ul style="list-style-type: none"> <li>• Strong understanding of penetration testing principles, methodologies and tooling with proven experience of delivering infrastructure and application penetration tests safely and efficiently</li> <li>• Strong understanding of safe approaches required for OT testing and proven experience of OT security assurance testing</li> <li>• Strong understanding of attacker TTPs</li> <li>• Strong understanding of vulnerability assessment</li> <li>• Strong written and verbal communication skills in English</li> <li>• Strong understanding of security risk assessment and risk management concepts and approaches</li> <li>• Ability to work on own initiative and to think "out of the box"</li> <li>• Ability to work with less technical colleagues and be able to convey technical information in a way that all can understand</li> <li>• Experience of managing a team of penetration testers</li> <li>• Experience with operational technology in the utilities sector or other industrial CNI environments will be highly advantageous</li> </ul>
<b>Qualifications</b>	<ul style="list-style-type: none"> <li>• CREST/CHECK (essential)</li> <li>• OffSec certifications (desirable)</li> <li>• GIAC (desirable)</li> <li>• CISSP (desirable)</li> <li>• CISM (desirable)</li> <li>• Networking and infrastructure certifications e.g. Cisco, Microsoft (desirable)</li> </ul>

<b>Job Dimensions</b>	<p>Vendor Management: The role-holder will manage WWU preferred suppliers who will provide additional resource and capabilities where required to ensure the objectives of the role are fully met.</p> <p>Budget Management: No budget management requirements. Knowledge of Opex, Capex and general procurement processes useful.</p>
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