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| **SKILLS FRAMEWORK FOR INFOCOMM TECHNOLOGY SKILLS MAP – CYBER RISK ANALYST** | | | | | | |
| **Sector** | Infocomm Technology | | | | | |
| **Track** | Cyber Security | | | | | |
| **Sub-track** | Governance Risk and Control | | | | | |
| **Occupation** | Infocomm Technology Security Specialist | | | | | |
| **Job Role** | **Cyber Risk Analyst** | | | | | |
| **Job Role Description** | The Cyber Risk Analyst conducts cyber risk assessment in support of technology initiatives to help identify IT related risk and determines appropriate controls to mitigate risks. He/She monitors, tracks and manages risk mitigations and exceptions to ensure cyber security standards and policies are established. He applies a defined set of analytical or scientific methods and works independently. He is also responsible for documentation of cyber risk assessment reports.  He is familiar with cyber security standards, protocols and frameworks, and acts in accordance with the Cyber Security Act 2018. He is knowledgeable in using various cyber security monitoring and analysis tools and techniques depending on the organisation's needs and requirements.   The Cyber Risk Analyst is vigilant and systematic in identifying cyber risks and enjoys analysing and investigating such issues. He is a strong team player, and communicates well both verbally and in writing. | | | | | |
| **Critical Work Functions, Key Tasks and Performance Expectations** | **Critical Work Functions** | **Key Tasks** | | | **Performance Expectations** | |
| **Establish cyber security standards and policies** | Conduct review of existing security policies, procedures, standards and exceptions | | | In accordance with:     * Cyber Security Act 2018, Cyber Security Agency of Singapore | |
| Assist in the development of policies for conducting cyber security risk assessments and compliance audits | | |
| Support implementation of information systems and cyber security policies | | |
| **Manage cyber risks and assessments** | Perform cyber risk assessment activities based on risk assessment plans | | |
| Assess third party security controls and internal security systems | | |
| Establish scope of risk analysis for new technology initiatives | | |
| Conduct research on emerging cyber security and risk management trends, issues, and alerts | | |
| Monitor risks and incidents in accordance with the risk mitigation policies and guidelines | | |
| **Develop cyber risk documentation** | Document methodologies and tools to mitigate cyber risks | | |
| Prepare reports for cyber risk assessment reporting | | |
| Conduct research to develop internal threat awareness reports | | |
| **Mitigate cyber security risks** | Determine cause of security violations | | |
| Recommend corrective actions or appropriate controls to mitigate technical risks | | |
| Assist in the implementation of preventive measures against intrusion, frauds, attacks or leaks | | |
| Track remediation efforts for security and audit deficiencies | | |
| **Skills and Competencies** | **Technical Skills and Competencies** | | | **Generic Skills and Competencies** | | |
| Audit and Compliance | | Level 3 | Digital Literacy | | Advanced |
| Business Needs Analysis | | Level 3 | Computational Thinking | | Advanced |
| Cyber and Data Breach Incident Management | | Level 3 | Sense Making | | Advanced |
| Cyber Forensics | | Level 3 | Transdisciplinary Thinking | | Intermediate |
| Cyber Risk Management | | Level 4 | Problem Solving | | Advanced |
| IT Governance | | Level 4 |  | | |
| Security Administration | | Level 3 |
| Security Education and Awareness | | Level 4 |
| Security Governance | | Level 4 |
| Security Programme Management | | Level 4 |
| Stakeholder Management | | Level 3 |
| Strategy Implementation | | Level 4 |
| Strategy Planning | | Level 4 |
| **Programme Listing** | For a list of Training Programmes available for the ICT sector, please visit: www.skillsfuture.sg/skills-framework/ict | | | | | |
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| The information contained in this document serves as a guide. | | | | | | |