Get Involved | Projects in In-demand Technologies and Refreshing Training in ICT

PwC’s Skills for Australia is seeking input from stakeholders relating to applied emerging technologies and refreshing nationally recognised ICT training.

What projects can I get involved in?

We are running two projects to address the changing information and communications technology (ICT) industry skills and knowledge requirements. These projects will help ensure training reflects current industry trends. They will also equip Australia’s workforce with in-demand ICT skills. The two projects available for your participation, include:

- **21A In-demand Technologies**: New units of competency and skill sets have been created to fill skills gaps across in-demand ICT areas (e.g. artificial intelligence, cloud security and software automation);
- **21B Refresh Training in ICT**: Existing units of competency have been reviewed and updated to meet current ICT skills and knowledge requirements.

How can I provide feedback?

When can I provide feedback?

The draft training products will be available for review from **18 May 2021** until **COB, 31 May 2021**.

Need to reach out?

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or:
Natalie Jenkinson
E: natalie.jenkinson@pwc.com

Note: All proposed training product drafts are subject to change as guided by feedback received during all review periods.
## Project 21A: In-demand Technologies

Advances in emerging technologies, including in advanced data science, artificial intelligence, cloud computing and other ICT areas, are presenting significant opportunities for learners, businesses and the broader economy. Australian employers are increasingly seeking employees with applied skills in emerging technologies to fulfil the requirements of in-demand jobs like artificial intelligence specialists, cyber security specialists and automation specialists – all of which were ranked in the top fifteen emerging jobs in LinkedIn’s 2020 Emerging Jobs Report Australia.

This project proposes to **create 33 new units of competency**, **create 14 new skill sets** for in-demand technologies.

<table>
<thead>
<tr>
<th>Proposed Skill Sets</th>
<th>Proposed Skill Set Requirements</th>
<th>Skill Level</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td><strong>Advanced Cyber Incident Threat Detection and Prevention Skill Set</strong>&lt;br&gt;Addresses specialised skills and knowledge required to respond to complex cyber security risks within organisations in ICT environments.</td>
<td><img src="image" alt="Skill Level" /></td>
</tr>
<tr>
<td>2</td>
<td><strong>Advanced Data Analytics Skill Set</strong>&lt;br&gt;Addresses specialised skills and knowledge required to manage and contextualise large volumes of advanced data to be applied in a range of organisations.</td>
<td><img src="image" alt="Skill Level" /></td>
</tr>
<tr>
<td>3</td>
<td><strong>Artificial Intelligence Skill Set</strong>&lt;br&gt;Addresses foundational skills and knowledge required to identify opportunities where machine learning, deep learning and artificial intelligence can be applied to improve a range of functions.</td>
<td><img src="image" alt="Skill Level" /></td>
</tr>
<tr>
<td>4</td>
<td><strong>Cloud Development Skill Set</strong>&lt;br&gt;Addresses specialised skills and knowledge required to design hybrid networks, manage diverse data security controls, and maintain privacy and legal compliance when implementing cloud services across ICT environments.</td>
<td><img src="image" alt="Skill Level" /></td>
</tr>
<tr>
<td>5</td>
<td><strong>Cloud Programmer Skill Set</strong>&lt;br&gt;Addresses technical skills and knowledge required to develop and manage cloud-based microservices, serverless applications, data persistence and to deploy continuous pipelines across ICT environments using virtual networks.</td>
<td><img src="image" alt="Skill Level" /></td>
</tr>
</tbody>
</table>

*Key:* Blue text = **existing** units of competency that can be found on training.gov.au<br>Black text = **newly created** units of competency (draft only)
Project 21A: In-demand Technologies (con’t)

<table>
<thead>
<tr>
<th>Proposed Skill Sets</th>
<th>Proposed Units of Competency</th>
<th>Skill Level</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Cloud Security Skill Set</strong></td>
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</tr>
</tbody>
</table>
| Addresses technical skills and knowledge required to manage the integrity of cloud services and to protect cloud infrastructure through monitoring threat detection systems and responding to ICT incidents. | • ICTCLD509 Manage cloud identity and access  
• ICTCLD510 Manage cloud threat detection systems  
• ICTCLD511 Protect cloud infrastructure and data  
• ICTCLD512 Respond to cloud incidents | 🟌🟩🟩 |
| **DevOps System Administration Skill Set** |  |  |
| Addresses specialised skills and knowledge required to install, configure, implement and maintain container orchestration services within ICT environments. | • ICTSAD612 Implement and maintain uses of containerisation  
• ICTSAD613 Install and configure container orchestration services | 🟌🟩🟩 |
| **Extended Reality Skill Set** |  |  |
| Addresses technical skills and knowledge required to identify and apply a variety of extended reality solutions to improve a range of ICT functions and procedures. | • ICTXRE401 Apply augmented reality solutions in organisations  
• ICTXRE402 Apply virtual reality solutions in organisations  
• ICTXRE403 Design mixed reality solutions | 🟩🟩 |
| **Industrial Automation Skill Set** |  |  |
| Addresses specialised skills and knowledge required to implement change management processes into organisations and identify opportunities where robotic and procedural automation can be applied. | • ICTAUT404 Evaluate automated industrial manufacturing processes  
• ICTAUT501 Manage robotic process automation  
• ICTSAS602 Implement change management processes | 🟩🟩 |
| **Intermediate Digital Skills for Small Business Skill Set** |  |  |
| Addresses technical skills and knowledge required to support businesses in using emerging technologies and practices, recognising the importance of assistive technologies, establishing online presence and ecommerce strategies. | • BSBTEC501 Develop and implement an e-commerce strategy  
• ICTICT314 Validate test cases and develop proof of concepts  
• ICTICT426 Identify and evaluate emerging technologies and practices  
• ICTICT452 Support the implementation of assistive technologies | 🟩🟩 |

*Key:  Blue text = existing units of competency that can be found on training.gov.au  
Black text = newly created units of competency (draft only)*
### Proposed Skill Sets

<table>
<thead>
<tr>
<th>Skill Set</th>
<th>Proposed Units of Competency</th>
</tr>
</thead>
</table>
| **Introduction to Assistive Technologies Skill Set**          | - ICTICT452 Support the implementation of assistive technologies  
- ICTICT453 Evaluate accessibility of organisational systems, programs and software  
- ICTICT454 Assess organisational systems using assistive technologies |
| **Network Security and System Protection Skill Set**          | - ICTCYS610 Protect critical infrastructure for organisations  
- ICTCYS611 Configure security devices for organisations  
- ICTCYS612 Design and implement virtualised cyber security infrastructure for organisations |
| **Software Automation Skill Set**                            | - ICPPRP4840 Set up and operate automated workflow  
- ICTAUT401 Design business process automation solutions  
- ICTAUT402 Apply robotic desktop automation  
- ICTAUT403 Conduct software quality assurance testing |
| **User Experience Thinking Skill Set**                       | - ICTDSN401 Design digital user interfaces  
- ICTDSN402 Create digital user interfaces  
- ICTDSN403 Apply innovative thinking and practices in digital environments |

**Key:**  
- Blue text = existing units of competency that can be found on training.gov.au  
- Black text = newly created units of competency (draft only)
Given the rapid rate of technological development, many areas of ICT now require different skills and knowledge in database technologies, game development, networking and other ICT sectors listed in the table below. Since the ICT industry is only going to continue advancing, it is critical that available training reflects current industry trends so that Australia’s workforce is equipped with up-to-date ICT skills. This project (ICT Release 8.0) aims to refresh the skills and knowledge across current units of competency that were last reviewed in 2015 (ICT Release 7.2). The current, updated and replaced codes/titles of these units of competency are listed below.

<table>
<thead>
<tr>
<th>Unit of Competency (ICT Release 7.2)</th>
<th>Unit of Competency (ICT Release 8.0)</th>
<th>Change</th>
<th>Equivalence</th>
<th>Unit Stream</th>
<th>Download Guide</th>
</tr>
</thead>
<tbody>
<tr>
<td>ICTDMT501 Incorporate and edit digital video</td>
<td>ICTDMT407 Incorporate video assets into media presentations</td>
<td>Update</td>
<td>Equivalent (E)</td>
<td>Digital media technologies</td>
<td></td>
</tr>
<tr>
<td>ICTGAM301 Apply simple modelling techniques</td>
<td>ICTGAM304 Design digital three-dimensional (3D) models</td>
<td>Update</td>
<td>E</td>
<td>Game development</td>
<td></td>
</tr>
<tr>
<td>ICTGAM302 Design and apply simple textures to digital art</td>
<td>ICTGAM305 Apply simple textures and shading to three-dimensional (3D) models</td>
<td>Update</td>
<td>E</td>
<td>Game development</td>
<td></td>
</tr>
<tr>
<td>ICTGAM303 Review and apply the principles of animation</td>
<td>ICTGAM306 Review and apply traditional animation principles</td>
<td>Update</td>
<td>E</td>
<td>Game development</td>
<td></td>
</tr>
<tr>
<td>ICTGAM419 Build a database to support a computer game</td>
<td>ICTSAD510 Manage implementation of new technologies</td>
<td>Replace</td>
<td>Non-equivalent (NE)</td>
<td>Game development</td>
<td></td>
</tr>
<tr>
<td>ICTICT206 Install software applications</td>
<td>ICTICT223 Install software applications</td>
<td>Update</td>
<td>E</td>
<td>General ICT</td>
<td></td>
</tr>
<tr>
<td>ICTICT207 Integrate commercial computing packages</td>
<td>ICTICT224 Integrate commercial computing packages</td>
<td>Update</td>
<td>E</td>
<td>General ICT</td>
<td></td>
</tr>
<tr>
<td>ICTICT208 Operate accounting applications</td>
<td>ICTICT225 Operate accounting applications</td>
<td>Update</td>
<td>E</td>
<td>General ICT</td>
<td></td>
</tr>
<tr>
<td>ICTICT210 Operate database applications</td>
<td>ICTICT226 Operate simple database applications</td>
<td>Update</td>
<td>E</td>
<td>General ICT</td>
<td></td>
</tr>
<tr>
<td>ICTICT302 Install and optimise operating system software</td>
<td>ICTICT317 Maintain standard operating environments</td>
<td>Update</td>
<td>E</td>
<td>General ICT</td>
<td></td>
</tr>
<tr>
<td>ICTICT303 Connect internal hardware components</td>
<td>ICTICT314 Connect internal hardware components</td>
<td>Update</td>
<td>E</td>
<td>General ICT</td>
<td></td>
</tr>
<tr>
<td>ICTICT304 Implement system software changes</td>
<td>ICTICT315 Implement system software changes</td>
<td>Update</td>
<td>E</td>
<td>General ICT</td>
<td></td>
</tr>
<tr>
<td>ICTICT306 Migrate to new technology</td>
<td>ICTICT316 Implement new technology</td>
<td>Update</td>
<td>E</td>
<td>General ICT</td>
<td></td>
</tr>
<tr>
<td>ICTICT503 Validate quality and completeness of system design specifications</td>
<td>ICTICT533 Conduct quality audit of system design specifications</td>
<td>Update</td>
<td>NE</td>
<td>General ICT</td>
<td></td>
</tr>
<tr>
<td>ICTICT505 Determine acceptable developers for projects</td>
<td>ICTSAD614 Lead ICT requirements elicitation</td>
<td>Replace</td>
<td>NE</td>
<td>General ICT</td>
<td></td>
</tr>
<tr>
<td>ICTICT506 Implement process re-engineering strategies</td>
<td>ICTICT533 Conduct quality audit of system design specifications</td>
<td>Replace</td>
<td>NE</td>
<td>General ICT</td>
<td></td>
</tr>
<tr>
<td>ICTNWK416 Build security into virtual private networks</td>
<td>ICTNWK435 Create secure virtual private networks</td>
<td>Update</td>
<td>E</td>
<td>Networking</td>
<td></td>
</tr>
<tr>
<td>Unit of Competency (ICT Release 7.2)</td>
<td>Unit of Competency (ICT Release 8.0)</td>
<td>Change</td>
<td>Equivalence</td>
<td>Unit Stream</td>
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<tr>
<td>ICTNWK515 Develop configuration management protocols</td>
<td>ICTSAD510 Manage implementation of new technologies</td>
<td>Replace</td>
<td>NE</td>
<td>Networking</td>
<td></td>
</tr>
<tr>
<td>ICTNWK531 Configure an internet gateway</td>
<td>ICTNWK562 Configure internet gateways</td>
<td>Update</td>
<td>E</td>
<td>Networking</td>
<td></td>
</tr>
<tr>
<td>ICTNWK603 Plan, configure and test advanced internetwork routing solutions</td>
<td>ICTNWK524 Configure advanced internetwork routing solutions</td>
<td>Update</td>
<td>E</td>
<td>Networking</td>
<td></td>
</tr>
<tr>
<td>ICTNWK604 Plan and configure advanced internetwork switching solutions</td>
<td>ICTNWK525 Plan and configure advanced internetwork switching solutions</td>
<td>Update</td>
<td>E</td>
<td>Networking</td>
<td></td>
</tr>
<tr>
<td>ICTNWK605 Design and configure secure integrated wireless systems</td>
<td>ICTNWK524 Configure advanced internetwork routing solutions</td>
<td>Replace</td>
<td>NE</td>
<td>Networking</td>
<td></td>
</tr>
<tr>
<td>ICTNWK606 Implement voice applications over secure wireless networks</td>
<td>ICTNWK527 Implement voice applications over secure wireless networks</td>
<td>Update</td>
<td>E</td>
<td>Networking</td>
<td></td>
</tr>
<tr>
<td>ICTNWK610 Design and build integrated VoIP networks</td>
<td>ICTNWK528 Design and build integrated VoIP networks</td>
<td>Update</td>
<td>E</td>
<td>Networking</td>
<td></td>
</tr>
<tr>
<td>ICTNWK611 Configure call processing network elements for secure VoIP networks</td>
<td>ICTNWK528 Design and build integrated VoIP networks</td>
<td>Replace</td>
<td>NE</td>
<td>Networking</td>
<td></td>
</tr>
<tr>
<td>ICTNWK613 Develop plans to manage structured troubleshooting process of enterprise networks</td>
<td>ICTSAS530 Use network tools</td>
<td>Replace</td>
<td>NE</td>
<td>Networking</td>
<td></td>
</tr>
<tr>
<td>ICTNWK617 Configure and manage a storage area network</td>
<td>ICTNWK529 Configure and manage storage area networks</td>
<td>Update</td>
<td>E</td>
<td>Networking</td>
<td></td>
</tr>
<tr>
<td>ICTPRG509 Build using rapid application development</td>
<td>ICTPRG557 Develop applications using agile methods</td>
<td>Update</td>
<td>E</td>
<td>Programming and software development</td>
<td></td>
</tr>
<tr>
<td>ICTSAD503 Minimise risk of new technologies to business solutions</td>
<td>ICTSAD510 Manage implementation of new technologies</td>
<td>Update</td>
<td>E</td>
<td>Systems analysis and design</td>
<td></td>
</tr>
<tr>
<td>ICTSAD602 Conduct knowledge audits</td>
<td>ICTSAD614 Lead ICT requirements elicitation</td>
<td>Replace</td>
<td>NE</td>
<td>Systems analysis and design</td>
<td></td>
</tr>
<tr>
<td>ICTSAD605 Elicit ICT requirements</td>
<td>ICTSAD614 Lead ICT requirements elicitation</td>
<td>Update</td>
<td>E</td>
<td>Systems analysis and design</td>
<td></td>
</tr>
<tr>
<td>ICTSAS203 Connect hardware peripherals</td>
<td>ICTSAS218 Obtain and connect hardware peripherals</td>
<td>Update</td>
<td>E</td>
<td>Systems administration and support</td>
<td></td>
</tr>
<tr>
<td>ICTSAS303 Care for computer hardware</td>
<td>ICTSAS311 Maintain computer hardware</td>
<td>Update</td>
<td>E</td>
<td>Systems administration and support</td>
<td></td>
</tr>
<tr>
<td>ICTSAS304 Provide basic system administration</td>
<td>ICTSAS312 Provide basic system administration</td>
<td>Update</td>
<td>E</td>
<td>Systems administration and support</td>
<td></td>
</tr>
<tr>
<td>ICTSAS422 Scope implementation requirements</td>
<td>ICTNWK435 Create secure virtual private networks</td>
<td>Replace</td>
<td>NE</td>
<td>Systems administration and support</td>
<td></td>
</tr>
<tr>
<td>ICTSAS517 Use network tools</td>
<td>ICTSAS530 Use network tools</td>
<td>Update</td>
<td>E</td>
<td>Systems administration and support</td>
<td></td>
</tr>
<tr>
<td>ICTWEB423 Ensure dynamic website security</td>
<td>ICTNWK435 Create secure virtual private networks</td>
<td>Replace</td>
<td>N</td>
<td>Web</td>
<td></td>
</tr>
</tbody>
</table>
This guide shows the ICT qualifications under which each newly created and updated unit of competency is proposed to be/is currently packaged. All updated and new units of competency are available for review. Here.

**HLTAID001 Provide cardiopulmonary resuscitation**

**ICTICT206 Install software applications**
- ICTICT207 Integrate commercial computing packages
- ICTICT208 Operate accounting applications
- ICTICT210 Operate database applications
- ICTSAS203 Connect hardware peripherals.

**CUASOU202 Perform basic sound editing.**

**ICTICT206 Install software applications**

**CUAPOS201 Perform basic vision and sound editing**
- CUASOU202 Perform basic sound editing.

**Non-native units of competency updated:**
- CUADIG201 Maintain interactive content
- CUAPOS201 Perform basic vision and sound editing
- CUASOU202 Perform basic sound editing.

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**ICT20319 Certificate II in Telecommunications Technology**

**Native units of competency updated with equivalence:**
- ICTICT206 Install software applications
- ICTSAS203 Connect hardware peripherals.

**Non-native units of competency updated:**
- HLTAID001 Provide cardiopulmonary resuscitation
- HLTAID003 Provide first aid
- UETTDEL14A Working safely near live electrical apparatus as a non-electrical worker.

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**ICT30519 Certificate III in Telecommunications Technology**

**Native units of competency updated with equivalence:**
- ICTICT302 Install and optimise operating system software
- ICTICT303 Connect internal hardware components
- ICTICT304 Implement system software changes
- ICTICT306 Migrate to new technology
- ICTNWK305 Install and manage network protocols
- ICTPRG301 Apply introductory programming techniques
- ICTSAS303 Care for computer hardware
- ICTSAS304 Provide basic system administration
- ICTTEN416 Install, configure and test an internet protocol network.

**Non-native units of competency updated:**
- BSSSMB305 Comply with regulatory, taxation and insurance requirements for the micro business
- BSSSUS306 Plan a home based business
- BSSSUS401 Implement and monitor environmentally sustainable work practices
- CPCBC4004A Identify and produce estimated costs for building and construction projects
- CPCCDE301A Remove non-flammable asbestos
- CPCCCHS1001A Work safely in the construction industry
- RIICCM202D Identify, locate and protect underground services
- RIWHSS202D Enter and work in confined spaces
- RIWHSS204D Work safely at heights
- RIWHSS205D Control traffic with stop-slow bat
- RIWHSS302D Implement traffic management plan
- UETTDEL14A Working safely near live electrical apparatus as a non-electrical worker.

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**ICT30120 Certificate III in Information Technology**

**Newly created unit of competency (inserted in Elective Group F, 'IT Work Ready Skills')**
- ICTAIL301 Analyse the suitability of artificial intelligence, machine learning and deep learning
- ICTAIL302 Build natural language processing models and pipelines
- ICTXCS301 Identify and source cryptocurrency technologies
- ICTICT318 Validate test cases and develop proof of concepts.

**Native units of competency updated with equivalence:**
- ICTGAM301 Apply simple modelling techniques
- ICTGAM302 Design and apply simple textures to digital animation
- ICTGAM303 Review and apply the principles of animation
- ICTICT302 Install and optimise operating system software
- ICTICT303 Connect internal hardware components
- ICTICT304 Implement system software changes
- ICTICT306 Migrate to new technology
- ICTICT308 Install and manage network protocols
- ICTICT401 Determine and confirm client business requirements
- ICTICT402 Apply introductory programming techniques
- ICTICT405 Develop detailed technical design
- ICTICT408 Create technical documentation
- ICTNWK409 Create scripts for networking
- ICTNWK410 Install hardware to a network
- ICTNWK411 Deploy software to networked computers
- ICTNWK416 Build security into virtual private networks
- ICTNWK417 Build an enterprise wireless network
- ICTNWK419 Identify and use current virtualisation technologies
- ICTXPRG301 Apply introductory programming techniques
- ICTRFN502 Test and measure cellular phone and network equipment performance
- ICTTEN514 Install, configure and test a server.

**Non-native units of competency updated:**
- BSSSMB401 Establish legal and risk management requirements of small business
- BSSSMB405 Monitor and manage small business operations
- BSSSMB407 Manage a small team
- BSSSUS402 Implement an environmental management plan.

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**ICT41219 Certificate IV in Telecommunications Engineering Technology**

**Native units of competency updated with equivalence:**
- ICTCMP501 Undertake radio communications site audit
- ICTICT401 Determine and confirm client business requirements
- ICTICT405 Develop detailed technical design
- ICTICT408 Create technical documentation
- ICTNWK409 Create scripts for networking
- ICTNWK410 Install hardware to a network
- ICTNWK411 Deploy software to networked computers
- ICTNWK416 Build security into virtual private networks
- ICTNWK417 Build an enterprise wireless network
- ICTNWK419 Identify and use current virtualisation technologies
- ICTXPRG301 Apply introductory programming techniques
- ICTRFN502 Test and measure cellular phone and network equipment performance
- ICTTEN514 Install, configure and test a server.

**Non-native units of competency updated:**
- BSBCUS402 Address customer needs
- BSBSMB401 Establish legal and risk management requirements of small business
- BSBSMB405 Monitor and manage small business operations
- BSBSMB407 Manage a small team
- BSBSUS402 Implement an environmental management plan.

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Existing units of competency to be replaced and superseded with non-equivalence:
- BSSSUS401 Implement and monitor environmentally sustainable work practices.
Newly created unit of competency (inserted in Elective Group H, 'General electives'):

- ICTAII301 Analyse the suitability of artificial intelligence, machine learning and deep learning
- ICTAII302 Build natural language processing models and pipelines
- ICTAII401 Improve productivity using machine learning
- ICTAII402 Train and evaluate machine learning models
- ICTAUT401 Design business process automation solutions
- ICTAUT402 Apply robotic desktop automation
- ICTAUT403 Conduct software quality assurance testing
- ICTAUT404 Evaluate automated industrial manufacturing processes
- ICTDSN401 Design digital user interfaces
- ICTDSN402 Create digital user interfaces
- ICTDSN403 Apply innovative thinking and practices in digital environments
- ICTICT452 Support the implementation of assistive technologies
- ICTICT453 Evaluate accessibility of organisational systems, programs and software
- ICTICT454 Assess organisational systems using assistive technologies
- ICTXRE401 Apply augmented reality solutions in organisations
- ICTXRE402 Apply virtual reality solutions in organisations
- ICTXRE403 Design mixed reality solutions
- ICTWEB453 Optimise websites for mobile devices.

* Key:

Orange text → updated existing unit of competency
Blue text → newly created unit of competency
Purple text → replaced and superseded unit of competency

Newly created unit of competency (inserted in Elective Group O, 'General electives'):

- ICTAII401 Improve productivity using machine learning
- ICTAII402 Train and evaluate machine learning models
- ICTAUT501 Manage robotic process automation
- ICTCLD509 Manage cloud identity and access
- ICTCLD510 Manage cloud threat detection systems
- ICTCLD511 Protect cloud infrastructure and data
- ICTCLD512 Respond to cloud incidents
- ICTCLD513 Develop cloud-based microservices architecture using containers
- ICTCLD514 Create serverless applications
- ICTCLD515 Build and deploy applications using CI/CD pipelines.

Advanced Diploma of Information Technology

Newly created unit of competency (inserted in Elective Group H, 'General electives'):

- ICTCLD603 Design hybrid network architectures
- ICTCLD604 Manage big data in cloud environments
- ICTDAT601 Develop data integration strategies
- ICTDAT602 Review data lifecycles
- ICTDAT603 Assess advanced data processes.

Native units of competency updated with equivalence:

- ICTICT505 Determine acceptable developers for projects
- ICTNWK610 Design and build integrated VoIP networks
- ICTNWK617 Configure and manage a storage area network
- ICTSAD605 Elicit ICT requirements
- ICTSAS517 Use network tools.

Existing units of competency to be replaced and superseded with non-equivalence:

- ICTICT506 Implement process re-engineering strategies
- ICTNWK531 Configure an internet gateway
- ICTNWK603 Plan and configure advanced internetwork routing protocols
- ICTNWK604 Plan and configure advanced internetwork switching solutions
- ICTNWK605 Implement voice applications over secure wireless networks
- ICTNWK610 Design and build integrated VoIP networks
- ICTNWK617 Configure and manage a storage area network
- ICTSAD605 Elicit ICT requirements
- ICTSAS517 Use network tools.

Native units of competency updated with equivalence:

- ICTCLD603 Design hybrid network architectures
- ICTCLD604 Manage big data in cloud environments
- ICTDAT601 Develop data integration strategies
- ICTDAT602 Review data lifecycles
- ICTDAT603 Assess advanced data processes.

Newly created unit of competency (inserted in Elective Group O, 'General electives'):

- ICTCLD509 Manage cloud identity and access
- ICTCLD510 Manage cloud threat detection systems
- ICTCLD511 Protect cloud infrastructure and data
- ICTCLD512 Respond to cloud incidents
- ICTCLD513 Develop cloud-based microservices architecture using containers
- ICTCLD514 Create serverless applications
- ICTCLD515 Build and deploy applications using CI/CD pipelines.

Diploma of Information Technology

Non-native units of competency updated:

- CUADIG502 Design digital applications
- CUADIG503 Design e-learning resources
- CUADIG507 Design digital simulations
- CUAPH514 Employ specialised imaging technologies
- CUAPSO411 Edit screen content for fast turnaround
- CUASOU407 Edit sound.

Native units of competency updated with equivalence:

- ICTAUT501 Manage robotic process automation
- ICTCLD509 Manage cloud identity and access
- ICTCLD510 Manage cloud threat detection systems
- ICTCLD511 Protect cloud infrastructure and data
- ICTCLD512 Respond to cloud incidents
- ICTCLD513 Develop cloud-based microservices architecture using containers
- ICTCLD514 Create serverless applications
- ICTCLD515 Build and deploy applications using CI/CD pipelines.

ICTICT452 Support the implementation of assistive technologies

ICTICT453 Evaluate accessibility of organisational systems, programs and software

ICTICT454 Assess organisational systems using assistive technologies

ICTXRE401 Apply augmented reality solutions in organisations

ICTXRE402 Apply virtual reality solutions in organisations

ICTXRE403 Design mixed reality solutions

ICTWEB453 Optimise websites for mobile devices.

Native units of competency updated with equivalence:

- ICTICT505 Determine acceptable developers for projects
- ICTNWK610 Design and build integrated VoIP networks
- ICTNWK617 Configure and manage a storage area network
- ICTSAD605 Elicit ICT requirements
- ICTSAS517 Use network tools.

Existing units of competency to be replaced and superseded with non-equivalence:

- ICTICT506 Implement process re-engineering strategies
- ICTNWK531 Configure an internet gateway
- ICTNWK603 Plan and configure advanced internetwork routing protocols
- ICTNWK604 Plan and configure advanced internetwork switching solutions
- ICTNWK605 Implement voice applications over secure wireless networks
- ICTNWK610 Design and build integrated VoIP networks
- ICTNWK617 Configure and manage a storage area network
- ICTSAD605 Elicit ICT requirements
- ICTSAS517 Use network tools.

Native units of competency updated with equivalence:

- ICTCLD603 Design hybrid network architectures
- ICTCLD604 Manage big data in cloud environments
- ICTDAT601 Develop data integration strategies
- ICTDAT602 Review data lifecycles
- ICTDAT603 Assess advanced data processes.

Newly created unit of competency (inserted in Elective Group O, 'General electives'):

- ICTCLD509 Manage cloud identity and access
- ICTCLD510 Manage cloud threat detection systems
- ICTCLD511 Protect cloud infrastructure and data
- ICTCLD512 Respond to cloud incidents
- ICTCLD513 Develop cloud-based microservices architecture using containers
- ICTCLD514 Create serverless applications
- ICTCLD515 Build and deploy applications using CI/CD pipelines.

ICTICT452 Support the implementation of assistive technologies

ICTICT453 Evaluate accessibility of organisational systems, programs and software

ICTICT454 Assess organisational systems using assistive technologies

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Thank you