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| Title | **Apply a problem solving method** |
| Level | **1** | **Credits** | **4** |

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| Purpose | This competency standard is intended to apply a problem solving method in a variety of contexts. People holding credit for this competency standard are able to: Define a problem; choose a method for solving an identified problem; and apply the problem solving method. |

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| Classification ISCED | 0732 Building and civil engineering |

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| Available grade | Competent / Not yet competent |

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| Modification history | N/A |

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| **Competency Unit** | **Performance Criteria** | **Knowledge and Understanding** |
| **C1:** **Define a problem** | **P1-** Define problem in terms its nature, parties involved, and the effects it may have**P2-** Describe the problem in terms of ownership, responsibility, its sphere of influence and authority **P3-** Identification of problems | **K1-** Problem solving methods:* Brainstorming
* Pros and cons
* IDEAL
* Research
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| **C2:** **Choose a method for solving an identified problem** | **P1-** Describe problem solving method in terms of processes to be undertaken**P2-** Select and describe problem solving method in terms of its suitability | **K1-** Problem solving methods:* Brainstorming
* Pros and cons
* IDEAL
* Research
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| **C3:** **Apply the problem solving method** | **P1-** Apply chosen method**P2-** Describe the outcome of the problem**P3-** Implement a conclusion to the problem**P4-** Reports & documents for future  | **K1-** Problem solving methods:* Brainstorming
* Pros and cons
* IDEAL
* Research
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