

**Modification history**

Release	Comments
Release 1	This version released with AHC Agriculture, Horticulture and Conservation and Land Management Training Package Version 7.0.

<b>AHCLSC4XX</b>	<b>Apply building codes and standards to the construction process for Class 10 buildings</b>
<b>Application</b>	<p>This unit of competency describes the skills and knowledge required to access, interpret and apply relevant building codes and standards applicable to the National Construction Code (NCC) Class 10 buildings, to a maximum of two storeys. It includes knowledge of the structure of the NCC, as well as the ability to access relevant information from the code as applicable to various NCC Class 10 building projects.</p> <p>The unit applies to individuals who apply specialist skills and knowledge to apply Class 10 building codes and standards to the construction process. This includes applying and communicating non-routine technical solutions to predictable and unpredictable problems.</p> <p>All work is carried out to comply with workplace procedures, health and safety in the workplace requirements, legislative and regulatory requirements, and sustainability and biosecurity practices.</p> <p>State/territory licensing, legislative or certification requirements apply in some jurisdictions. Users are advised to check with the relevant regulatory authority.</p>
<b>Prerequisite Unit</b>	Nil
<b>Unit Sector</b>	Landscape (LSC)

Elements	Performance Criteria
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
1. Classify building	1.1 Determine nature of building, its use and arrangement from construction plans and specifications 1.2 Access, read and interpret Australian Standards and codes relevant NCC Class 10 construction projects 1.3 Define NCC building classification 1.4 Identify and interpret NCC multiple classifications
2. Determine construction compliance requirements	2.1 Identify NCC performance requirements relevant to Class 10, up to two storeys, landscape construction projects 2.2 Determine range of criteria to ensure construction methods comply with NCC performance requirements 2.3 Identify and document non-conforming construction methods against NCC performance requirements 2.4 Discuss performance solution with design and building construction professionals 2.5 Analyse and apply assessment methods to determine compliance with performance solution or Deem-to-Satisfy solution (DTS) 2.6 Meet the evidence of suitability requirements for building materials and products stated in the NCC 2.7 Complete documentation according to NCC requirements
3. Determine fire protection requirements	3.1 Identify NCC and other legislative requirements for passive and active fire control elements in buildings 3.2 Determine level of fire resistance required for the construction of various class 10 buildings 3.3 Check existing buildings for compliance with passive and active fire protection requirements

<b>Foundation Skills</b>	
<i>This section describes those language, literacy, numeracy and employment skills that are essential for performance in this unit of competency but are not explicit in the performance criteria.</i>	
<b>Skill</b>	<b>Description</b>
Reading	<ul style="list-style-type: none"> <li>Identify and interpret information regarding requirements for NCC Class 10 construction projects</li> </ul>
Oral communication	<ul style="list-style-type: none"> <li>Initiate discussions with design and building construction professionals, using clear language and standard industry terminology to propose actions to rectify faults and problems</li> </ul>

<b>Unit Mapping Information</b>			
<b>Code and title current version</b>	<b>Code and title previous version</b>	<b>Comments</b>	<b>Equivalence status</b>
AHCLSC4XX Apply building codes and standards to the construction process for Class 10 buildings	Not applicable	The unit has been created to address an emerging skill or task required by industry	Newly created
<b>Links</b>		Companion Volumes, including Implementation Guides, are available at VETNet: <a href="https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=c6399549-9c62-4a5e-bf1a-524b2322cf72">https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=c6399549-9c62-4a5e-bf1a-524b2322cf72</a>	

<b>TITLE</b>	<b>Assessment requirements for AHCLSC4XX Apply building codes and standards to the construction process for Class 10 buildings</b>
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### Performance Evidence

An individual demonstrating competency must satisfy all of the elements and performance criteria in this unit.

There must be evidence that the individual has applied codes and standards to the construction process of one Class 10 building project, to a maximum of two storeys, and has:

- determined type of construction and use of building from construction plans and specifications and class of building using National Construction Code (NCC) classifications
- identified current building and construction codes and Australian Standards relevant to the landscape construction projects
- applied NCC performance requirements in relation to the design and construction of the building, including:
  - energy efficiency
  - damp and weatherproofing
  - fire safety
  - health and amenity
  - structure
  - safe movement and access
  - ancillary provisions
- applied performance solutions to ensure construction complies with NCC performance requirements
- identified faults and problems and propose actions to rectify
- completed documentation
- inspected building to determine fire protection compliance with NCC and other legislative requirements.

### Knowledge Evidence

An individual must be able to demonstrate the knowledge required to perform the tasks outlined in the elements and performance criteria of this unit. This includes knowledge of:

- NCC:
  - performance requirements and general requirements
  - performance solutions and assessment methods
  - performance hierarchy
  - evidence of suitability for building materials and products
  - classes of building and types of construction
- current building and construction codes and Australian Standards relevant to Class 10 building construction
- workplace policies and procedures, quality systems, best practice approaches, and safety requirements
- properties, characteristics and limitations of specified building materials and components
- processes, procedures and techniques of construction
- basic building design principles and the behaviour of structures under stress, strain, compression, bending or combined actions
- causes and implications of building defects related to failure of applying building codes and standards to residential and commercial buildings
- extent of remedial work required for various defects caused by inadequate design and application of building codes and practices
- environmental requirements and sustainability principles and concepts
- project plans, specifications, working drawings and structural details
- construction terminology.

### Assessment Conditions

Assessment of the skills in this unit of competency must take place under the following conditions:

- physical conditions:
  - a workplace setting or an environment that accurately represents workplace conditions

Assessment Conditions	
<ul style="list-style-type: none"><li>resources, equipment and materials:<ul style="list-style-type: none"><li>construction drawings, site plans and specifications</li><li>software and hardware to source and document information</li></ul></li><li>specifications:<ul style="list-style-type: none"><li>NCC Volume 2</li><li>current building and construction codes and Australian Standards relevant to Class 10 building construction projects</li><li>workplace policies and procedures, and quality procedures relevant to Class 10 building construction projects</li></ul></li><li>relationships:<ul style="list-style-type: none"><li>design and building construction professionals</li></ul></li><li>timeframes:<ul style="list-style-type: none"><li>according to job requirements.</li></ul></li></ul> <p>Assessors of this unit must satisfy the requirements for assessors in applicable vocational education and training legislation, frameworks and/or standards.</p>	
Links	Companion Volumes, including Implementation Guides, are available at VETNet: <a href="https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=c6399549-9c62-4a5e-bf1a-524b2322cf72">https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=c6399549-9c62-4a5e-bf1a-524b2322cf72</a>