



Australian Government

Assessment Requirements for FWPCOT6204 Use carbon accounting to estimate emissions

Release: 1

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Modification History

Release	Comment
1	<p>Replaces equivalent unit FPICOT6204A Use carbon accounting to estimate emissions in the workplace which was first released with FPI11 Forest and Forest Products Training Package Version 2.2.</p> <p>Assessment requirements now specify the performance and knowledge evidence, as well as assessment conditions for this unit of competency. These sections simplify and replace components used in the previous unit format, including 'Required Skills and Knowledge, Evidence Guide and Range Statement'.</p>

Performance Evidence

A person demonstrating competency in this unit must satisfy all of the elements, performance criteria and foundation skills of this unit, and must be able to provide evidence that they can:

- For a given forest and wood products industry organisation within any sector:
 - identify mandatory and voluntary obligations for carbon accounting
 - define organisational objectives for participating in carbon accounting processes
 - define boundaries for the carbon inventory
 - select a methodology for carbon accounting calculations for emissions and offsets
- Complete two different carbon accounting calculations for two different time periods in line with the selected methodology and include the following factors:
 - direct greenhouse gas (GHG) emissions
 - indirect GHG emissions
 - on-site and off-site emissions (geographical)
 - upstream emissions
 - downstream emissions
 - full cycle accounting
 - non-CO2 emissions; soil disturbance, fertilisation, biomass combustion

In forest applications also consider the following:

- above ground biomass
- below ground biomass
- dead organic matter - wood, litter
- soil organic matter

Knowledge Evidence

A person competent in this unit must be able to demonstrate knowledge of:

- Methods to access, locate and select applicable objectives and key content in relevant international and national conventions, protocols, standards and guidance frameworks, including the following key references:
 - Kyoto Protocol
 - ISO 14000 essentials:
 - ISO 14064-1 2006 Greenhouse gases—Part 1: Specification with guidance at the organization level for quantification and reporting of greenhouse gas emissions and removals
 - Greenhouse Gas Protocol Corporate Standard
 - Copenhagen Agreement
 - National Greenhouse Accounts (NGA) Factors Workbook
- Key drivers for carbon accounting
- Basic theory of the greenhouse effect and its impacts
- Basic principles of the carbon cycle and influences
- Carbon accounting terminology, frameworks and methods used to calculate carbon emissions and offsets
- Types of emissions and offset sources included in common calculations:
 - Direct GHG emissions
 - Indirect GHG emissions
 - On-site and off-site emissions (geographical)
 - Upstream emissions
 - Downstream emissions
 - Full cycle accounting
 - Non-CO2 emissions; soil disturbance, fertilisation, biomass combustion
- Sources of secondary data for carbon accounting
 - national statistical agencies
 - research institutes
 - information from sectoral experts
- Organisational and operational boundaries for the carbon inventory
- The full range of organisational emission sources and methods used to select key emission factors for calculations.

Assessment Conditions

The following resources must be made available:

- Computer, keyboard and spreadsheet software to prepare and maintain calculations
- Documents, spreadsheets and commonly used proformas for calculating carbon emissions

- Access to international and national conventions, protocols, standards and guidance frameworks including the following key references:
 - Kyoto Protocol
 - ISO 14000 essentials:
 - ISO 14064-1 2006 Greenhouse gases—Part 1: Specification with guidance at the organization level for quantification and reporting of greenhouse gas emissions and removals
 - Greenhouse Gas Protocol Corporate Standard
 - Copenhagen Agreement
 - National Greenhouse Accounts (NGA) Factors Workbook

Competency is to be assessed in the workplace or a simulated environment that accurately reflects performance in a real workplace setting.

Assessor requirements

Assessors must:

- Hold the appropriate assessor competency standards as outlined in regulations; and
- be able to demonstrate vocational competencies at least to the level being assessed; and
- be able to demonstrate how they are continuing to develop their VET knowledge and skills as well as maintaining their industry currency and assessor competence.

Links

Companion Volume implementation guides are found in VETNet -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=0d96fe23-5747-4c01-9d6f-3509ff8d3d47>