



Australian Government

**Assessment Requirements for CPCPSN3011
Plan the layout of a residential sanitary
plumbing system and fabricate and install
sanitary stacks**

Assessment Requirements for CPCPSN3011 Plan the layout of a residential sanitary plumbing system and fabricate and install sanitary stacks

Modification History

- Release 3 This version first released with CPC Construction, Plumbing and Services Training Package Release 6.2.
Removed duplicative point from Knowledge Evidence: WHS requirements for fabricating and installing sanitary stacks.
- Release 2 This version first released with CPC Construction, Plumbing and Services Training Package Release 5.1.
Change to Pre-requisite unit. Correction to Knowledge Evidence.
- Release 1 This version first released with CPC Construction, Plumbing and Services Training Package Release 5.0.
Supersedes and is not equivalent to CPCPSN3023A Fabricate and install sanitary stacks, and CPCPSN3011B Plan layout of a residential sanitary plumbing system. Updated to meet the Standards for Training Packages 2012.

Performance Evidence

To demonstrate competency, a candidate must meet the performance criteria for this unit by:

- planning the layout for residential sanitary plumbing systems, from given plans and specifications for a three-storey residence, including the following fixtures on each floor:
 - a bath
 - a shower
 - a water closet
 - a basin
 - a floor waste gully
 - a kitchen sink
 - a laundry tub
- fabricating and installing, from a given set of plans and job specifications, three different installations of sanitary plumbing systems across a minimum of two building levels including the following fixtures on each level:
 - a bath
 - a shower
 - a water closet

- a basin
- a floor waste gully
- a kitchen sink
- a laundry tub
- fabricating and installing each planned sanitary system including:
 - using two different materials
 - connecting the discharge piping at each floor
 - preparing stack connection to below ground drain
 - testing the sanitary system.

Knowledge Evidence

To be competent in this unit, a candidate must demonstrate knowledge of:

- terminology relating to sanitary plumbing systems
- installation requirements of sanitary plumbing fixtures
- properties of soil and waste discharges, including temperature and corrosive discharges
- approved materials and components, their characteristics and application relating to sanitary plumbing systems
- how to access relevant information, including codes and standards
- materials and equipment used for planning the installation of residential sanitary plumbing systems
- work health and safety (WHS) requirements for planning the installation of residential sanitary plumbing systems
- principles of sanitary plumbing systems:
 - elevated pipework
 - fully vented modified
 - reduced velocity aerated stack systems
 - single stack
 - single stack modified
- tools, materials and equipment used to fabricate and install sanitary stacks.

Assessment Conditions

Assessors must satisfy the requirements for assessors listed in the Standards for Registered Training Organisations.

This unit must be assessed in the workplace or a close simulation using realistic workplace conditions, materials, activities, responsibilities, procedures, safety requirements and environmental considerations.

Links

Companion volumes to this training package are available at the VETNet website -
<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=7e15fa6a-68b8-4097-b099-030a5569b1ad>