

**Field Planning and Construction****Review of *Roofing* unit standards**

<b>Subfield</b>	<b>Domain</b>	<b>ID</b>
Plumbing, Gasfitting and Drainlaying	Roofing	1685-1692, 1694, 1698, 10808-10816, 21408, 21410, 21411, 21413, 25270-25300.

The Skills Organisation has completed the review of the unit standards listed above.

**Date new versions published**

**March 2017**

**Planned review date**

**December 2021**

**Summary**

The review of these unit standards was initiated through their planned review and the Targeted Review of Qualifications (TRoQ) for Planning and Construction triggered in 2011.

The unit standards were reviewed to ensure that they are fit for purpose, relevant to the roofing industry and are readily available for assessment. Industry representatives from the TRoQ Review and Qualification Development Groups were involved in the review and writing of these unit standards and provided feedback on them.

**Main changes**

- Changes were made to accurately reflect industry terminology, practice, and evidence requirements.
- 28 unit standards have been reviewed as Category B.
- 19 new unit standards were developed.
- 16 unit standards were reviewed as Category C and replaced by 13 of the new units.
- A last date for assessment of superseded versions of the Category B units was specified.

**Category C and D unit standards will expire at the end of December 2020**

**The last date for assessment of superseded versions of Category B unit standards is December 2020**

**Impact on existing organisations with consent to assess**

<b>Current consent for</b>			<b>Consent extended to</b>		
<b>Nature of consent</b>	<b>Classification or ID</b>	<b>Level</b>	<b>Nature of consent</b>	<b>Classification or ID</b>	<b>Level</b>
Standard	1685	4	Standard	30014	4
Standard	1689	4	Standard	30021	4

## Detailed list of unit standards – classification, title, level, and credits

All changes are in **bold**.

Key to review category	
<b>A</b>	Dates changed, but no other changes are made - the new version of the standard carries the same ID and a new version number
<b>B</b>	Changes made, but the overall outcome remains the same - the new version of the standard carries the same ID and a new version number
<b>C</b>	Major changes that necessitate the registration of a replacement standard with a new ID
<b>D</b>	Standard will expire and not be replaced

### Planning and Construction > Plumbing, Gasfitting and Drainlaying > Roofing

ID	Title	Level	Credit	Review Category
1685	Carry out preliminary site check for concrete roof tiling	4	8	C
<b>30014</b>	<b>Carry out roof installation work preliminary site checks</b>	<b>4</b>	<b>6</b>	
1686	Fix battens for concrete and clay roof tiles	4	8	B
	<b>Fix battens for concrete or clay roof tiles</b>		<b>10</b>	
1687	Fix underlay for concrete roof tiles	4	4	B
	<b>Fix underlay for concrete or clay roof tiles</b>		<b>5</b>	
1688	Load concrete roof tiles onto a roof	3	5	B
	<b>Load concrete or clay roof tiles onto a roof</b>			
1689	Fix full concrete roof tiles	4	8	C
<b>30021</b>	<b>Fix full concrete or clay roof tiles</b>	<b>4</b>	<b>15</b>	
1690	Fix part concrete roof tiles	4	10	B
	<b>Fix part concrete or clay roof tiles</b>			
1691	Install lead flashings to concrete roof tiles	4	8	B
	<b>Install lead flashings to concrete or clay roof tiles</b>		<b>7</b>	
1692	Inspect the installation of specialist flashings to concrete roof tiles	4	8	B
	<b>Inspect the installation of specialist flashings to concrete or clay roof tiles</b>		<b>7</b>	
1694	Install finishes at concrete tile roof terminations	4	8	B
	<b>Install finishes at concrete or clay tile roof terminations</b>			
1698	Re-roof an existing concrete tile roof with concrete tiles	3	6	B
	<b>Re-roof an existing concrete or clay tile roof with concrete or clay tiles</b>		<b>8</b>	
10808	Prepare site for installation of roof	4	12	D
10809	Install roof membrane	4	35	B
	<b>Install single layer roof membrane</b>		<b>30</b>	
10810	Install torch on roof membrane	4	35	B
			<b>30</b>	
10811	Apply liquid roof membrane	4	35	B
			<b>30</b>	
10812	Install metal roof tiles	4	35	B
			<b>40</b>	

ID	Title	Level	Credit	Review Category
10813	Install translucent roof	4	10 <b>15</b>	B
10814 <b>30023</b>	Install roof shingles <b>Install roof shingles or slates</b>	4 <b>4</b>	35 <b>45</b>	C
10815	Install profiled metal roof and wall cladding <b>Install profiled metal roof</b>	4	30 <b>20</b>	B
10816	Install pan deck roof <b>Install trough profile roof</b>	4	10 <b>15</b>	B
21408	Apply foreperson leadership and communication skills on roofing construction projects	4	6	D
21410	Apply quality assurance practices in the roofing industry	4	8	D
21411	Prepare an integrated plan for a medium building roof installation programme	5	5	D
21413	Demonstrate knowledge of roofing hand and power tools	2	5	D
25270	Demonstrate knowledge of heat, moisture, air-flow, corrosion, and wind loadings relative to roof structures	4	10 <b>5</b>	B
25271	Perform calculations and develop ordering lists for metal roof and wall cladding	3	4	C
25273 <b>30022</b>	Interpret roofing plans and specifications and perform simple calculations <b>Perform roof calculations, interpret roofing plans and specifications, and develop a materials ordering list</b>	2 <b>3</b>	4 <b>5</b>	
25272	Describe rainwater handling systems and discharge factors on roofs <b>Demonstrate knowledge of rainwater handling systems and discharge factors on roofs</b>	3	4	B
25274	Demonstrate basic knowledge of concrete roof tile systems <b>Demonstrate basic knowledge of concrete or clay roof tile systems</b>	2	5	B
25275	Describe preparation and installation for concrete roof tiles	3	5	C
25278	Describe metal roof and wall cladding preparation and installation procedures	3	10	C
25290	Describe roof membrane preparation and installation procedures	3	10	C
<b>30011</b>	<b>Apply the building and construction industry regulatory requirements as a roofer</b>	<b>4</b>	<b>8</b>	
<b>30012*</b>	<b>Demonstrate knowledge of roof installation preparation, planning, and organisation</b>	<b>4</b>	<b>6</b>	
25284 <b>30012*</b>	Demonstrate knowledge of metal roof tile preparation planning and organisation <b>Demonstrate knowledge of roof installation preparation, planning, and organisation</b>	3 <b>4</b>	4 <b>6</b>	C

ID	Title	Level	Credit	Review Category
25276	Demonstrate knowledge of lead and specialist flashings for concrete roof tiles <b>Demonstrate knowledge of lead and specialist flashings for concrete or clay roof tiles</b>	4 4	2 5	B
25277	Demonstrate knowledge of metal roof and wall cladding systems	2 3	8 7	B
25279	Describe metal flashings and penetrations <b>Demonstrate and apply knowledge of metal flashings and penetrations</b>	4	10	B
25280	Describe the system characteristics and installation process for translucent roof <b>Demonstrate knowledge of the system characteristics and installation process for translucent roofing systems</b>	3	8	B
25281	Describe re-roofing an existing metal roof	3	3 5	B
25282	Form and install flashings for metal roof and wall cladding	4	25	B
25283	Demonstrate knowledge of metal roof tile systems	2 3	6 7	B
25285	Describe metal roof tile installation procedures <b>Demonstrate knowledge of metal roof tile installation procedures</b>	3	8 10	B
25286 30027	Describe re-roofing an existing metal tile roof <b>Demonstrate knowledge of re-roofing an existing metal tile roof</b>	3 3	3 6	C
25287	Explain metal roof tile specialist flashing and penetration installations	4	6 7	B
25288	Form and install flashings for metal roof tiles <b>Install flashings for metal roof tiles</b>	4	15	B
25289 25292	Demonstrate knowledge of roof membrane Demonstrate knowledge of liquid roof membrane systems	2 2	6 6	C
25295 30016	Demonstrate knowledge of torch on roof membrane systems <b>Demonstrate knowledge of roof membrane systems</b>	2 3	6 6	
25291	Explain roof membrane installation, re-roofing considerations, and potential problems	4	6	C
25294	Explain liquid roof membrane installation, re-roofing considerations, and potential problems	4	4	
25297 30018	Explain torch on roof membrane installation, re-roofing considerations, and potential problems <b>Demonstrate knowledge of roof membrane system installation, re-roofing considerations, and potential problems</b>	4 4	4 8	

ID	Title	Level	Credit	Review Category
25293	Describe liquid roof membrane preparation and application procedures	3	8	C
25296	Describe torch on roof membrane preparation and installation procedures	3	10	
<b>30017</b>	<b>Demonstrate knowledge of roof membrane system preparation and installation procedures</b>	<b>4</b>	<b>7</b>	
25298	Demonstrate knowledge of roof shingle systems	2	6	C
<b>30024</b>	<b>Demonstrate knowledge of shingle or slate roof systems</b>	<b>2</b>	<b>10</b>	
25299	Describe roof shingle preparation and installation procedures	3	12	C
<b>30025</b>	<b>Demonstrate knowledge of shingle or slate roof work preparation and installation procedures</b>	<b>3</b>	<b>20</b>	
25300	Explain roof shingle installation, re-roofing considerations, and potential problems	4	6	C
<b>30026</b>	<b>Demonstrate knowledge of shingle or slate roof installation, re-roofing considerations, and potential problems</b>	<b>4</b>	<b>10</b>	
<b>30010</b>	<b>Demonstrate knowledge of the building and construction industry regulatory requirements as applied in the roofing sector</b>	<b>4</b>	<b>12</b>	<b>New</b>
<b>30013</b>	<b>Demonstrate knowledge of roof installation work preliminary site checks</b>	<b>4</b>	<b>4</b>	<b>New</b>
<b>30015</b>	<b>Demonstrate and apply knowledge of the roofing industry ethical work practices and working with others</b>	<b>4</b>	<b>6</b>	<b>New</b>
<b>30019</b>	<b>Demonstrate and apply knowledge of roofing industry workplace communications</b>	<b>2</b>	<b>5</b>	<b>New</b>
<b>30020</b>	<b>Demonstrate knowledge of roofing workplace safety considerations</b>	<b>4</b>	<b>4</b>	<b>New</b>
<b>30210</b>	<b>Install profiled metal wall cladding</b>	<b>4</b>	<b>10</b>	<b>New</b>

\*Unit standard 30012 is entered twice in this change report. Unit 30011 and 30012 replace unit standards 25275, 25278 and 30011. Unit standard 30012 also replaces 25264.