

Field Manufacturing

Review of *Printing* and *Sign Making* unit standards

Subfield	Domain	ID
Printing	Signmaking	27585
Sign Making	Sign Making - Core	27572, 27573, 30151, 30152, 30155, 30156, 30158-30164
	Sign Making - Specialisation	27584, 30153, 30154, 30157

The Hanga-Aro-Rau Manufacturing, Engineering and Logistics Workforce Development Council has completed the review of the unit standards listed above.

Date new versions published

September 2022

Planned review date

December 2027

Summary

The review was conducted in conjunction with the qualification review of the New Zealand Certificate in Signmaking (Level 4) with optional strands in Traditional Signwriting, Three-Dimensional Sign Fabrication, and Digital Signage [Ref: 3570] as part of the cyclical five-year review process.

Consultation meetings were held online with a range of industry stakeholders every fortnight throughout March - May 2022. Feedback was received from stakeholders which resulted in the changes outlined below and decisions were made in consultation with the advisory group. The advisory group included representatives from the training provider Te Pūkenga Work Based Learning Ltd - Competenz, New Zealand Sign & Display Association (NZSDA), employers and graduates of the apprenticeship programme.

A major outcome from the review of the qualification is to introduce a new optional unit standard in sign installation as stakeholders identified a need for development of more in-depth knowledge and skills in this area.

The unit standard associated with the optional strand in Traditional Signwriting has been significantly modified given there have been no enrolments to date. However, there was strong support from industry stakeholders to continue offering the hand lettering component as a smaller unit standard to retain traditional skillsets within the industry. Industry stakeholders also clearly signalled a need for direct and simple language to be used in the unit standards (and assessment) that is easy to understand for both employers and learners.

It was noted that small unit standards have much higher usage than large unit standards. Unit standard 30164 has been split into two smaller unit standards 33065 and 33066 to make this more accessible to learners through smaller chunks of training and to place more emphasis on practical application of knowledge. Unit standard 30158 has been split into two smaller unit standards 33062 and 33064 for the same reasons as noted above.

Main changes

- Guidance information has been updated across the suite of standards.
- Wording has been simplified across the suite of standards in response to industry stakeholder request for the use of direct and simple language.

- Unit standard 27585 has been reinstated as CNC systems are a core part of many sign businesses and there have been requests over the past few years to reinstate this unit standard. The credit value has been decreased to 10 credits to reflect that it focuses on operating machinery (with no design content).
- Unit standard 27573 has been expired and replaced with a new unit standard 33060, which includes two new outcomes and a subsequent increase in credit value. A practical health and safety component has been added to reflect the importance of health and safety in the signwriting industry and a new sustainability outcome has been developed in response to industry request.
- Unit standard 30153 has been expired as feedback from employers indicates there isn't enough traditional hand lettering work in most signmaking workplaces for learners to complete 40 credits. A new unit standard 33067 (10 credits) has been created to allow for the continuation of traditional signwriting skills. This focuses on hand lettering as previous content relating to metal gilding and airbrush rendering is now rarely used in signmaking.
- Unit standard 30154 has been expired as the outcomes relating to knowledge of materials was considered to duplicate content already covered in unit standard 30161. A new smaller unit standard 33069 (30 credits) has been created with a focus on three-dimensional fabrication.
- New unit standard 33071 has been developed to align with the newly developed optional strand in Sign Installation in the signmaking qualification.
- Title of unit standards 30155 and 30163 have been changed to better reflect the sequence of workflow in signmaking production as determined by industry stakeholders.
- Title of unit standard 30161 has been changed to align with the strategic purpose statement and outcome statements.

Category C and D unit standards will expire at the end of December 2025.

The last date for assessment of superseded versions of Category B unit standards is December 2025.

Impact on Consent and Moderation Requirements (CMR)

Unit standard 27585 has been moved from the CMR0005 to 0013 in line with other unit standards in in the same domain.

Current consent for			Consent extended to		
Nature of consent	Classification or ID	Level	Nature of consent	Classification or ID	Level
Standard	27573	3	Standard	33060	3

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

All changes are in **bold**.

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

Manufacturing > Printing > Signmaking

ID	Title	Level	Credit	Review Category
27585	Produce signs using CNC systems	3	20 10	Reinstatement

Manufacturing > Sign Making > Sign Making - Core

ID	Title	Level	Credit	Review Category
27572	Demonstrate an overview knowledge of signmaking in New Zealand	2	8	B
27573	Demonstrate knowledge of safe working practices in a signmaking workplace	3	5	C
33060	Demonstrate and apply knowledge of safe and sustainable working practices in a signmaking workplace	3	10	
30151	Prepare substrates and apply sign graphics	3	20	B
30152	Demonstrate knowledge of legislation, regulations and rules relevant to sign installation	4	5	B
30155	Print large format graphics for sign production Print and laminate large format graphics for sign production	4	20	B
30156	Demonstrate knowledge of sign illumination systems and produce LED illuminated signs	4	20	B
30158	Demonstrate knowledge of sign design and design signs	4	30	C
33062	Demonstrate knowledge of sign design	4	10	
33064	Design signs to meet sign type requirements	4	20	
30159	Cut and apply vector format vinyl graphics for signmaking	3	10	B
30160	Demonstrate knowledge of and process vector and raster graphics files for sign production	4	30	B
30161	Demonstrate knowledge of and specify films, print media, rigid materials, paints and printing inks used in signmaking Demonstrate knowledge of films, print media, rigid materials, paints and printing inks used in signmaking	4	20	B
30162	Use and maintain tools and machinery for signmaking	3	10	B
30163	Laminate printed media and apply self-adhesive films to flat, textured, curved, and compound surfaces for signs Apply self-adhesive films to flat, textured, curved, and compound surfaces for signs	4	20	B
30164	Demonstrate knowledge of sign installation equipment, fastenings, techniques, and safely install signs	4	30	C
33065	Demonstrate knowledge of sign installation equipment, fastenings and techniques	4	10	
33066	Install signs using safe work practices	4	20	

Manufacturing > Sign Making > Sign Making - Specialisation

ID	Title	Level	Credit	Review Category
27584	Screen print signs	3	20	B
30153	Write signs using hand lettering, metal gilding, and airbrush rendering techniques	4	40	D
30154	Demonstrate knowledge of signmaking materials and fabricate and spray paint three dimensional signs	4	40	D

ID	Title	Level	Credit	Review Category
30157	Demonstrate knowledge of digital screen display technology, and create a digital signage promotion	4	40	B
33067	Demonstrate and apply knowledge of traditional signwriting techniques	4	10	New
33069	Fabricate three-dimensional signs	4	30	New
33071	Plan and install a range of complex signs	4	40	New