

Field Manufacturing

Review of *Wood Fibre Manufacturing* unit standards

Subfield	Domain	ID
Wood Fibre Manufacturing	Pulp and Paper Technology	5671
	Tissue Converting	3594,16573-16575,16579,16581,16583,16584,16586,16590-16592,16594-16598,16602,16604,16763, 20439, 23168, 23170, 26075, 26076, 27378-27382, 28778

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

Date new versions published

June 2023

Planned review date

December 2028

Summary

Hanga-Aro-Rau WDC initiated a combined review of the unit standards in the *Tissue Converting* and *Pulp and Paper Technology* domains. This review was triggered by the regular 5-year review cycle. The Technical Advisory Group (TAG) consisted of industry and provider representatives. TAG meetings occurred between August and November 2022.

The reviewed unit standards were endorsed for re-registration by the TAG in December 2022.

Main changes

- Unit standard 5671 in the *Pulp and Paper Technology* domain was found to be surplus to the requirements for *Pulp and Paper Technology*, but crucial to *Tissue Converting*, and so has been moved into the *Tissue Converting* domain.
- Unit standards, 16592, 16594, 16598 and 23168, will be expired as these are surplus to requirements, either because the product (diapers) is no longer produced in New Zealand, or because the technology has been superseded.
- Unit standards, 16602 and 20439 have had their scope reduced to exclude diaper products, since diapers are no longer produced in New Zealand. The title, as well as the content of each of these unit standards has been adjusted to reflect this change which was minor so did not require a reduction of credits.
- Unit standards 16590, 16586 and 16763 have had their credit weightings increased. The revised credit weighting reflects the time required to acquire the knowledge and skills on the more complex machinery involved.
- Unit standards 27378 and 28778 have had their scope and titles corrected to include either embossing unit or laminating embossing unit.
- A new unit standard 33259 has been developed to meet industry need.
- All Guidance Information, outcome statements and performance criteria have been updated to include references to up-to-date legislation and assessment guidelines.
- The following unit standards have had minor title changes: 16583, 16584, 16595, 16602, 20439, 27378 and 28778 to provide consistency with the titles within this suite.
- Other changes to standards within this suite resulted from technological innovation within this sector as well as changes to accommodate another version of the machine and/or process.

Category D unit standards will expire at the end of December 2024

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

Impact on Consent and Moderation Requirements (CMR)

Unit standards were transferred from 0173 to 0013.

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 > Wood Fibre Manufacturing > Pulp and Paper Technology
 Manufacturing > Wood Fibre Manufacturing > **Tissue Converting**

ID	Title	Level	Credit	Review Category
5671	Explain principles of paper tissue manufacture	3	5	B

Manufacturing > Wood Fibre Manufacturing > Tissue Converting

ID	Title	Level	Credit	Review Category
3594	Wrap tissue products with stretch wrapper systems	3	3	B
16573	Changeover a wrapping system for tissue products	3	7	B
16574	Changeover a bundler system for tissue products	3	5	B
16575	Changeover a packaging system for tissue products	3	7	B
16579	Changeover a reel to folded sheet converting machine producing tissue products	3	5	B
16581	Changeover a rewinder tissue converting system	3	6	B
16583	Set up and operate decorator unit for single colour decorations on crepe tissue Set up and operate a decorator unit for single colour decorations on crepe tissue	3	10	B
16584	Operate decorator unit for multi colour decorations on crepe tissue Operate a decorator unit for multi colour decorations on crepe tissue	4	10	B
16586	Select and load raw materials for machinery producing tissue products	2	2 5	B
16590	Operate a bundler system for tissue products	2	4 6	B
16591	Operate a wrapper system for tissue products	2	6	B
16592	Operate a diaper bagging system	2	4	D
16594	Operate a reel to folded sheet converting machine producing tissue products	2	6	D
16595	Operate an automated high speed reel to folded sheet converting system Operate an automated high-speed reel to folded sheet converting system	4	10	B

ID	Title	Level	Credit	Review Category
16596	Operate a rewinder tissue converting system	4	15	B
16597	Operate and changeover a reel to spiral wind converting machine producing cores	2	6	B
16598	Pack and quality check tissue products	2	2	D
16602	Operate a machine for baling diaper and tissue products Operate a machine for baling tissue products	2	3	B
16604	Operate a packaging machine for tissue products	2	4	B
16763	Operate a cube wrapping system for tissue products	3	6 8	B
20439	Operate an ink or ribbon transfer code printing system for diaper and tissue products Operate an ink or ribbon transfer code printing system for tissue products	2	4	B
23168	Changeover the rotary die on a diaper machine	3	4	D
23170	Operate a reel to folded sheet converting machine with an automated separation system producing tissue products	3	10	B
26075	Operate a reel to roll converting machine with automated mandrel extraction system	4	8	B
26076	Change over a reel to roll converting machine with automated mandrel extraction system	3	6	B
27378	Operate a laminating embosser unit on crepe tissue Operate a laminating or embossing unit on crepe tissue	3	5	B
27379	Format product configuration for a programmable bundler system for tissue products	4	10	B
27380	Format product configuration for a programmable cube wrapping system for tissue products	4	8	B
27381	Set up, operate and troubleshoot a tissue log saw	4	8	B
27382	Operate a surface driven industrial roll rewinder tissue converting system	4	15	B
28778	Reconfigure a laminating embosser unit for crepe tissue Reconfigure a laminating or embossing unit for crepe tissue	4	8	B
33259	Operate a tissue log saw producing tissue products	3	5	New