

During 2003 and 2004 feedback was received from industry, agreed upon, and incorporated into the reviewed unit standards detailed above.

The groups consulted were asked to consider the following:

- The currency of the unit standards and their suitability for existing and proposed qualifications.
- The accuracy and appropriateness of their content.
- Level and credits commensurate with performance outcomes.
- Any gaps in skills and/or knowledge that could be captured by the development of new unit standards.

Main changes resulting from the review

- Improved special notes to better convey assessment parameters, including improved definitions, updated references to legislation, and number of occasions/items required to show competence.
- Improved and updated range statements, including clearer use of range statements that (1) are mandatory, or (2) have the range stem *may include but is not limited to*.
- Titles amended to better convey the overall outcome of each unit standard with elements similarly altered in many instances to ensure parity with the unit standard title.
- The addition of an element in the practical unit standards to cover safe working practices.
- Sundry editorial changes to performance criteria.
- Amendments to levels/credits to better reflect the level of skill required by the candidate, the extent of supervision, and the overall learning demand.

Impact on existing provider accreditations

Current Accreditation for			Accreditation extended to		
Nature of accreditation	Classification or Id	Level	Nature of accreditation	Classification or Id	Level
Subfield	Food and Related Products Processing	2	Standard	7656	3
Domain	Food and Related Product Storage and Distribution	2			

Impact on Accreditation and Moderation Action Plan (AMAP)

Unit standards 1092, 1999 and 2000 have been transferred from AMAP 0044 to AMAP 0111.

Impact on existing qualifications

None.

Summary of main changes to standards' Ids, classification, titles, levels, and credits

The following summary shows the changes made to the standards as a result of the review. All changes are in **bold**.

Key to review category	
A	Dates changed, but no other changes are made - the replacement standard carries the same Id and a new version number
B	Changes made, but the overall outcome remains the same - the replacement 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

Subfield Food and Related Products Processing
 Domain Food and Related Product Information Provision

Id	Title	Level	Credit	Review Category
7623	Provide technical and nutritional information on food and beverage products Provide technical and nutritional information on food or beverage products	6	12	B
7665	Provide information on food and related product processing technologies and operations Provide professional and technical advice on food or related product processing	5	5	B

Domain Food and Related Product Laboratory Practice

Id	Title	Level	Credit	Review Category
1999	Conduct simple laboratory tests on food products	2	2	B
2000	Conduct complex laboratory tests on food products	3	6	B
7642	Design, implement, and improve laboratory test methods for food and related product production Design, implement, and improve laboratory test methods for food or related product production	5	12	B
7735	Test alcohol-based liquid food products analytically and interpret results	3	4	B

Domain Food and Related Product Process Development

Id	Title	Level	Credit	Review Category
7631	Develop engineering solutions to improve food and related product production processes Develop engineering solutions to improve food or related product production processes	6	12	B

Domain Food and Related Product Processing - Cleaning

Id	Title	Level	Credit	Review Category
7644	Clean and sanitise food and related product production equipment manually Clean and sanitise food or related product production equipment manually	2	2	B

Id	Title	Level	Credit	Review Category
7681	Clean-in-place food and related product production equipment using automated cleaning systems Clean-in-place food or related product production equipment using automated cleaning systems	3	2	B
7718	Clean and sterilise food containers using automated washing equipment Clean and sterilise food or beverage containers using automated washing equipment	2	2	B

Domain Food and Related Product Processing – Safety and Health

Id	Title	Level	Credit	Review Category
1092	Implement a food processing workplace safety programme Implement a food or related product processing workplace safety programme	4	5	B

Domain Food and Related Product Production

Id	Title	Level	Credit	Review Category
7629	Cook food in sealed containers using batch cookers	3	3	B
7630	Cook food in sealed containers using continuous cookers	3	3	B
7649	Homogenise food and related products using automated production equipment Homogenise food or related products using automated production equipment	2	3	B
7650	Coordinate material supply for food and related product production Coordinate material supply for food or related product production	4	4	B
7652	Prepare and batch cook food products to pre-determined recipes	3	6	B
7668	Prepare meat for use in food production	2	2	B
7696	Prepare and mix syrups for food and related product production Prepare and mix syrups for food or related product production	3	6	B
7714	Pasteurise food products using automated production equipment	3	5	B
7720	Control and remove residual effluent solids from food and related product production waste plants Control and remove residual effluent solids from food or related product production waste plants	2	5	B

Id	Title	Level	Credit	Review Category
7752	Produce blended dry food and related products using automated production equipment Produce blended dry food or related products using automated production equipment	2	2	B
7782	Produce granulated food and related powders Produce granulated food or related product powders	2	1	B
7783	Prebatch ingredients for food and related product production Prebatch ingredients for food or related product production	2	2	B
7809	Prepare and mix discrete ingredients for food and related product production Prepare and mix discrete ingredients for food or related product production	2	2	B
7818	Filter and condition water for food and related product production Filter and condition water for food or related product production	2	3	B
7835	Blend liquid food products using automated production equipment	2	2	B
7836	Blend finished food products manually	2	2	B

Domain Food and Related Product Production Equipment

Id	Title	Level	Credit	Review Category
7625	Set up and maintain food and related product production line equipment Set up and maintain food or related product production line equipment	4	16	B
7660	Harvest crops using automated harvesting equipment	3	3	B

Domain Food and Related Product Production Planning

Id	Title	Level	Credit	Review Category
7632	Prepare, implement, and review food and related product production plans Prepare, implement, and review food or related product production plans	5	12	B
7659	Implement and maintain food and related product production schedules Implement and maintain food or related product production schedules	6	12	B

Domain Food and Related Product Storage and Distribution

Id	Title	Level	Credit	Review Category
7637	Maintain food and related product storage buildings Maintain food or related product storage buildings	3	5	B
7655	Palletise packaged food and related products using automated equipment Palletise packaged food or related products using automated equipment	2	2	B
7656	Monitor and maintain food and related product stock levels Monitor and maintain food or related product stock levels	2 3	3	B
7678	Fill transportable tankers with liquid food and related products Fill transportable tankers with liquid food or related products	2	2	B
7692	Deliver pressurised bulk beverages to customers	4	5	B
7721	Fill transportable pressurised tankers with liquid food products Fill transportable pressurised tankers with bulk beverages	2	2	B
7722	Receive, store, and issue materials for food and related product production Receive, store, and issue materials for food or related product production	3	3	B
7750	Store and distribute liquid food and related products using automated systems Store, maintain, and distribute liquid food or related products using automated systems	3	3	B
7760	Operate silo systems for food and related products Operate silo systems for food or related products	3	5	B
7786	Pack freight containers with food and related products Pack freight containers with food or related products	2	2	B
7848	Load and deliver frozen food and related products Load and deliver frozen food products	4	3	B

Domain Food Production - Beverages

Id	Title	Level	Credit	Review Category
7693	Batch ferment liquid food products using automated production equipment	4	5	B
7697	Prepare and produce wort for beer fermentation	3	8	B
7717	Propagate seed cultures using electronically controlled fermentation	3	4	B

Id	Title	Level	Credit	Review Category
7737	Recondition bulk beer kegs	5 4	3	B
7766	Prepare and monitor fermented beverage production using computer controlled equipment	4	12	B
7820	Batch mix bulk simple syrups using automated batching equipment	2	2	B
9956	Prepare and steep grain for malt production	3	10	B
9957	Germinate grain for malt production Germinate grain for malt production using salad box equipment	3	10	B
9958	Kiln grain for malt production	3	8	B
16635	Demonstrate knowledge of the raw materials used to produce beer	3	3	B
16636	Demonstrate knowledge of brewhouse operations and wort production	3	6	B
16637	Demonstrate knowledge of yeast and fermentation	3	4	B
16638	Demonstrate knowledge of microbiological control	3	3	B
16641	Demonstrate knowledge of blending Demonstrate knowledge of blending beverages	3	2	B
16643	Demonstrate knowledge of beer and beer dispensing systems	3	3	B
16644	Demonstrate knowledge of engineering support services Demonstrate knowledge of engineering support services for beverage manufacturing plants	3	6	B

Domain Food Production – Frozen Products

Id	Title	Level	Credit	Review Category
7787	Blend and churn frozen food products using automated production equipment	3	8	B
7846	Form and finish frozen food products using automated production equipment	3	9	B

Domain Food Production – Fruit and Vegetables

Id	Title	Level	Credit	Review Category
7669	Blanch vegetable products using automated blanching equipment	2	2	B
7677	Prepare fruit and vegetable ingredients for food production Prepare fruit and/or vegetable ingredients for food production	2	1	B

Domain Food and Related Product Packaging

Id	Title	Level	Credit	Review Category
20943	Pack filled liquid food or related product containers using automated packaging equipment	2	2	New