

- AS90342, AS90349 – the title and the achievement criterion of each have been amended to improve fitness for purpose with corresponding changes to the explanatory notes to clarify the intent of the standard.
- AS90338 and AS90339 have been categorised as review category D and are expiring.

Technology 2.3

- AS90352 – the title and the achievement criteria have been amended to improve fitness for purpose and corresponding changes have been made to the explanatory notes to clarify the intent of the standard.
- AS90353-AS90358 have been categorised as review category D and are expiring.

Technology 2.4

- AS90359 has been replaced by AS90773, *Examine how technological practice is influenced by responsibilities to the wider community*. The credit value is four.

Technology 2.5; Biotechnology 2.6, 2.7; Electronics and Control Technology 2.6, 2.7; Food Technology 2.6, 2.7; Information and Communication Technology 2.6, 2.7; Materials Technology 2.6, 2.7; Structures and Mechanisms 2.6

- AS90360-AS90368, AS90371-AS90373 – the title and the achievement criteria of each have been amended to improve fitness for purpose and corresponding changes have been made to the explanatory notes to clarify the intent of the standard. The credit value of each has increased from 3 to 4.

Technology 2.8

- AS90369 has been categorised as review category D and is expiring.

Information and Communication Technology 2.9

- AS90370 has been categorised as review category D and is expiring.

Externally assessed achievement standard 90369 (Category D review) and 90359 (Category C review) expired in December 2004.

Internally assessed achievement standards categorised as category D – 90338, 90345, 90353-90358, and 90370 – expire at the end of December 2005.

Impact on existing provider accreditations

None.

Impact on Accreditation and Moderation Action Plan (AMAP)

AMAP 0226 has been updated to reflect the changes made to the achievement standards.

Impact on existing qualifications

None.

Impact of changes on [NCEA Exclusions List](#)

The exclusions list is not affected by this review. Although AS90338 is a D category review, it is internally assessed and will therefore not expire until the end of 2005. The Exclusions List will be updated to reflect the category D status of AS90338 for 2006 results.

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

The following summary shows the changes made to the achievement standards as a result of the review. All changes are in **bold**. Recommended alternative standards (where there is no formal replacement) are in *italics*.

Key to review category

- A** Dates changed, but no other changes are made - the replacement achievement standard carries the same Id and a new version number
- B** Changes made, but the overall outcome remains the same - the replacement achievement standard carries the same Id and a new version number
- C** Major changes that necessitate the registration of a replacement achievement standard with a new Id
- D** Achievement standard will expire and not be replaced. *Alternative standards are provided in italics*

Subfield Technology
Domain Technology – General Education

Subject Reference	Id	Title	Level	Credit	Review Category
Technology 2.1	AS90338	Develop and model a conceptual design in technology	2	6	D
Technology 2.1 Biotechnology 2.1	AS90339	Develop and model a conceptual design in biotechnology	2	6	B
Technology 2.1 Electronics and Control Technology 2.1	AS90340	Develop and model a conceptual design in electronics and control technology	2	6	B
Technology 2.1 Food Technology 2.1	AS90341	Develop and model a conceptual design in food technology	2	6	B
Technology 2.1 Information and Communications Technology 2.1	AS90342	Develop and model a conceptual design in information and communications technology Develop and model a conceptual design in information and communication technology	2	6	B
Technology 2.1 Materials Technology 2.1	AS90343	Develop and model a conceptual design in materials technology	2	6	B

Subject Reference	Id	Title	Level	Credit	Review Category
Technology 2.1 Structures and Mechanisms Technology 2.1	AS90344	Develop and model a conceptual design in structures and mechanisms	2	6	B
Technology 2.2	AS90345	Develop and implement a one-off solution in technology	2	6	D
Technology 2.2 Biotechnology 2.2	AS90346	Develop and implement a one-off solution in biotechnology	2	6	B
Technology 2.2 Electronics and Control Technology 2.2	AS90347	Develop and implement a one-off solution in electronics and control technology	2	6	B
Technology 2.2 Food Technology 2.2	AS90348	Develop and implement a one-off solution in food technology	2	6	B
Technology 2.2 Information and Communications Technology 2.2	AS90349	Develop and implement a one-off solution in information and communications technology Develop and implement a one-off solution in information and communication technology	2	6	B
Technology 2.2 Materials Technology 2.2	AS90350	Develop and implement a one-off solution in materials technology	2	6	B
Technology 2.2 Structures and Mechanisms Technology 2.2	AS90351	Develop and implement a one-off solution in structures and mechanisms	2	6	B
Technology 2.3	AS90352	Develop a solution in technology and a process for its on-going production Develop a means for multi-unit production of a technological outcome	2	6	B

Subject Reference	Id	Title	Level	Credit	Review Category
Technology 2.3	AS90353	Develop a solution in biotechnology and a process for its on-going production	2	6	D
	AS90354	Develop a solution in electronics and control technology and a process for its on-going production	2	6	D
	AS90355	Develop a solution in food technology and a process for its on-going production	2	6	D
	AS90356	Develop a solution in information and communications technology and a process for its on-going production	2	6	D
	AS90357	Develop a solution in materials technology and a process for its on-going production	2	6	D
	AS90358	Develop a solution in structures and mechanisms and a process for its on-going production	2	6	D
	AS90352	Develop a means for multi-unit production of a technological outcome	2	6	
Technology 2.4	AS90359	Describe technological principles and operating practices	2	3	C
	AS90773	Examine how technological practice is influenced by responsibilities to the wider community	2	4	
Technology 2.5	AS90360	Characterise a technological production process Inform own technological practice through characterisation of an existing technological production process	2	3 4	B

Subject Reference	Id	Title	Level	Credit	Review Category
Biotechnology 2.6	AS90361	Demonstrate knowledge and understanding of biotechnological processes Examine technological knowledge in biotechnology practice	2	3 4	B
Biotechnology 2.7	AS90362	Demonstrate biotechnological skills Demonstrate skills in biotechnology	2	3 4	B
Electronics and Control Technology 2.6	AS90363	Demonstrate knowledge and understanding of control system components and functions Examine technological knowledge in electronics and control technology practice	2	3 4	B
Electronics and Control Technology 2.7	AS90364	Demonstrate skills in control systems Demonstrate skills in electronics and control technology	2	3 4	B
Food Technology 2.6	AS90365	Demonstrate knowledge and understanding of food properties and food product characteristics Examine technological knowledge in food technology practice	2	3 4	B
Food Technology 2.7	AS90366	Demonstrate skills and capabilities that support the use of food in technological practice Demonstrate skills in food technology	2	3 4	B
Information and Communication Technology 2.6	AS90367	Demonstrate knowledge and understanding of information system components and functions Examine technological knowledge in information and communication technology practice	2	3 4	B

Subject Reference	Id	Title	Level	Credit	Review Category
Information and Communication Technology 2.7	AS90368	Demonstrate data transformation skills that support technological practice Demonstrate skills in information and communication technology	2	3 4	B
Technology 2.8	AS90369	Demonstrate knowledge and understanding of technical aspects and trends in information communication	2	3	D
Information and Communication Technology 2.9	AS90370	Demonstrate design skills in information and communication technology	2	3	D
<i>Information and Communication Technology 2.7</i>	<i>AS90368</i>	<i>Demonstrate skills in information and communication technology</i>	2	4	
Materials Technology 2.6	AS90371	Demonstrate knowledge and understanding of materials properties and characteristics Examine technological knowledge in materials technology practice	2	3 4	B
Materials Technology 2.7	AS90372	Demonstrate skills that support the use and manipulation of materials within technological practice Demonstrate skills in materials technology	2	3 4	B
Structures and Mechanisms 2.6	AS90373	Demonstrate knowledge and understanding of structures and/or mechanisms characteristics Examine technological knowledge in structures and mechanisms practice	2	3 4	B