Achievement Standard

Subject Reference	Digital Technologies 3.43				
Title	Implement complex procedures to produce a specified digital media outcome				
Level	3	**Credits**	4	**Assessment**	Internal
Subfield	Technology				
Domain	Digital Technologies				
Status	Expiring			**Status date**	29 November 2018

This achievement standard is expiring. Assessment against the standard must take place before the expiry date set out below.

Expiry date	31 December 2020	**Date version published**	29 November 2018

This achievement standard involves implementing complex procedures to produce a specified digital media outcome.

Achievement Criteria

Achievement	Achievement with Merit	Achievement with Excellence
• Implement complex procedures to produce a specified digital media outcome.	• Skilfully implement complex procedures to produce a specified digital media outcome.	• Efficiently implement complex procedures to produce a specified digital media outcome.

Explanatory Notes

1 This achievement standard is derived from Level 8 of the Technology learning area in *The New Zealand Curriculum*, Learning Media, Ministry of Education, 2007; and is related to the material in the *Teaching and Learning Guide for Technology*, Ministry of Education at http://seniorsecondary.tki.org.nz.

Further information can be found at http://www.technology.tki.org.nz/.

Appropriate reference information is available in *Safety and Technology Education: A Guidance Manual for New Zealand Schools,* Ministry of Education at http://technology.tki.org.nz/Curriculum-support/Safety-and-Technology-Education, and the Health and Safety at Work Act 2015.

This standard is also derived from *Te Marautanga o Aotearoa*. For details of *Te Marautanga o Aotearoa* achievement objectives to which this standard relates, see the Papa Whakaako for the relevant learning area.

2 *Implement complex procedures to produce a specified digital media outcome* involves:

- selecting software based on the features of the program(s) that enables the student to effectively demonstrate skills in creating, editing and integrating media types
- applying a set of complex tools and techniques to present content in a media type
- applying data integrity and testing procedures to ensure the outcome meets the specifications
- following legal, ethical and/or moral requirements appropriate to the outcome.

Skilfully implement complex procedures to produce a specified digital media outcome involves:

- showing accuracy in the application of complex tools, techniques and procedures
- showing independence with regard to decision making in the selection of software and application of complex tools, techniques and testing procedures.

Efficiently implement complex procedures to produce a specified digital media outcome involves:

- applying complex tools and techniques, and producing the outcome in a manner that economises the use of resources (e.g. optimised tool selection, batch processing images, use of master pages, use of libraries, timely production).

3 *Specified digital media outcome* refers to a digital media outcome and its relevant specifications. The specifications must be of sufficient rigour to allow the student to meet the standard. The specifications need to be agreed prior to the outcome being made. They may be teacher-given or developed in negotiation with the student.

4 Complex tools and techniques may include:

- Web page design: HyperText Markup Language / Cascading Style Sheets (HTML/CSS), scripting (manipulating content), dynamic data handling, interaction between user and content, multiple device outputs
- Print design: interactivity, form elements, chapters and sections, clipping paths, Extensible Markup Language (XML) content, pre-press, resolutions
- Audio: multiple tracks, manipulating multiple tracks, overlays, equalising
- Motion graphics: complex transitions, multiple tracks, post processing, compression and exporting, onion skinning, rendering
- Image manipulation: colour histograms and adjustments, non destructive editing, pen tools and paths, filter effects, graphic optimisations, colour management and printing, automation scripts.

5 Media types include: text, web languages, audio, video, graphics, animation or still images.

6 Data integrity procedures include checking for the relevance, accuracy, and reliability to ensure the outcome functions as intended.

7 Conditions of Assessment related to this achievement standard can be found at http://ncea.tki.org.nz/Resources-for-aligned-standards/Technology/Level-3-Technology.

Replacement Information
This achievement standard and AS91634 were replaced by AS91903.

This achievement standard, AS91633, AS91637, and AS91642 replaced unit standard 13402 and AS90685.

Quality Assurance

1 Providers and Industry Training Organisations must have been granted consent to assess by NZQA before they can register credits from assessment against achievement standards.

2 Organisations with consent to assess and Industry Training Organisations assessing against achievement standards must engage with the moderation system that applies to those achievement standards.

Consent and Moderation Requirements (CMR) reference 0233