

Title	Research emerging colour matching technology for automotive refinishing to support a potential organisational need		
Level	5	Credits	5

Purpose	This unit standard is for people who work in the automotive refinishing industry. People credited with this unit standard are able to research emerging colour matching technology for automotive refinishing to support a potential organisational need.
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Classification	Motor Industry > Vehicle Bodywork
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Available grade	Achieved
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Guidance Information

1 Legislation and references

Performance of the outcome of this unit standard must comply with the following:
Health and Safety at Work Act 2015

Any new, amended or replacement Acts, regulations, standards, codes of practice, guidelines, or authority requirements or conditions affecting this unit standard will take precedence for assessment purposes, pending review of this unit standard.

2 Definitions

Service information may include but is not limited to – technical information of a vehicle, machine, or product detailing operation; installation and servicing procedures; manufacturer instructions and specifications; technical terms and descriptions; and detailed illustrations. This may be accessed from the manufacturer.

Suitable tools and equipment refer to industry approved tools and equipment that are recognised within the industry as being the most suited to complete the task in a professional and competent manner with due regard to safe working practices.

Workplace procedures refer to organisation policies and procedures that are documented in memo, electronic, or manual format and available in the workplace, and are consistent with manufacturer's requirements. They may include but are not limited to – standard operating procedures, site specific procedures, site safety procedures, equipment operating procedures, quality assurance procedures, product quality specifications, references, approved codes of practice, housekeeping standards, environmental considerations, on-site briefings, supervisor's instructions, and procedures to comply with legislative and local body requirements relevant to the industry sector.

3 Assessment Information

Evidence presented for assessment against this unit standard must be consistent with safe working practices and be in accordance with applicable manufacturer's specifications, service information, workplace procedures and legislative requirements.

4 Recommended skills and knowledge

It is recommended that people seeking credit for this unit standard should first hold credit for Unit 24006 *Demonstrate knowledge of paint scales and mixing machines, and colour matching in the automotive refinishing industry*, or equivalent skills and knowledge.

Outcomes and performance criteria

Outcome 1

Research emerging colour matching technology for automotive refinishing to support a potential organisational need.

Range may include but is not limited to – upgrading of colour matching equipment, faster colour matching process, greater colour matching accuracy, equipment using improved digital technology.

Performance criteria

1.1 Research sources for emerging automotive paint technology are identified.

Range includes but is not limited to – correctly referenced sources, paint maker, original equipment manufacturer (OEM) advancements.

1.2 Research information is documented.

Range may include – visual, numeric, written.

1.3 Research automotive paint technology sources to support a potential organisation need.

Range includes but is not limited to – problem solving and analytical skills, communication.

1.4 Research findings are summarised in terms of benefits and advantages to an organisation.

Range includes but is not limited to – efficiency, cost benefit, labour saving, waste reduction.
may include but is not limited to – suitable tools and equipment, procedures, training need/s.

Planned review date	31 December 2028
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Status information and last date for assessment for superseded versions

Process	Version	Date	Last Date for Assessment
Registration	1	28 September 2023	N/A

Consent and Moderation Requirements (CMR) reference	0014
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This CMR can be accessed at <http://www.nzqa.govt.nz/framework/search/index.do>.

Comments on this unit standard

Please contact Hanga-Aro-Rau Manufacturing, Engineering and Logistics Workforce Development Council qualifications@hangaarorau.nz if you wish to suggest changes to the content of this unit standard.