

Microcredentials now and in the future

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DEFINITIONS

Credential = a qualification, achievement, quality, or aspect of a person's background, especially when used to indicate their suitability for something.

Microcredentials

“- ...certif(y) achievement of a coherent set of skills and knowledge.” NZQA

Months or years
to earn

Similar

Recognise smaller
packages of learning

Different

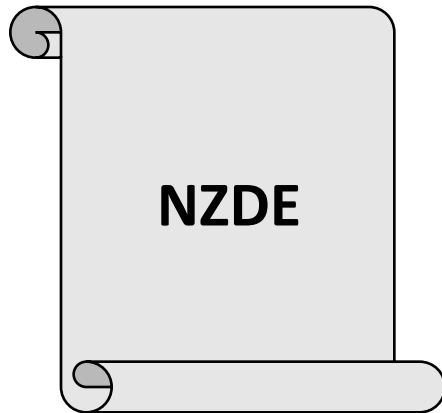
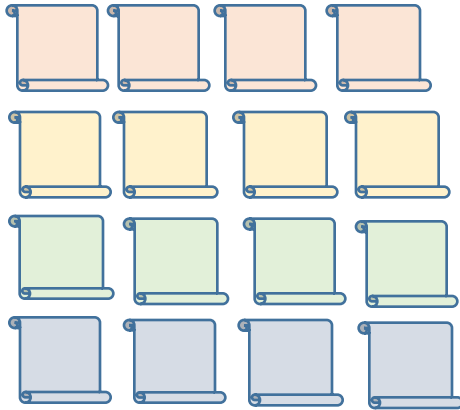
“...are competency-based, personalised and sharable.” Digital Promise

Days or weeks
to earn

Badges = validated indicator of accomplishment or competency

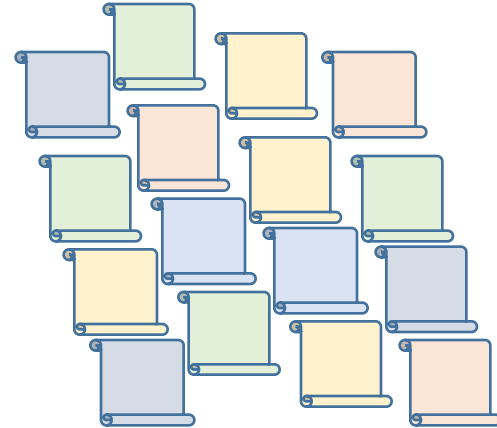
COMPETENCY –BASED MICROCREDENTIALS

Align to formal qualifications



- Competency – based
- Short
- Stackable
- Flexible
- Online
- On-demand

Align to industry requirements

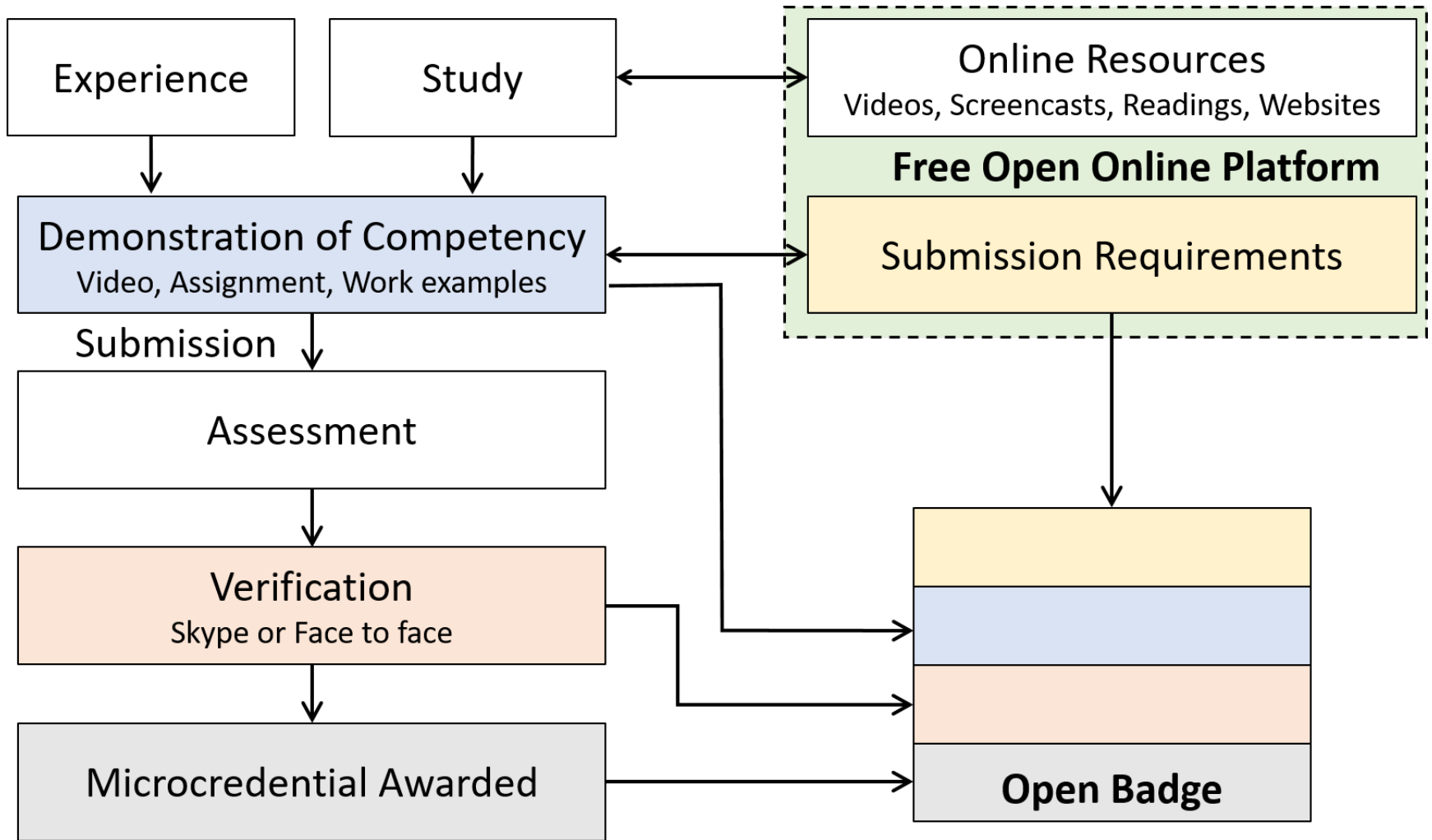


MICROCREDENTIAL STRUCTURE

<u>Highway Engineering</u>	<u>Geotechnical Engineering 1</u>	<u>Engineering Management</u>	<u>Construction Practices</u>
Road Basics	Soil Composition	EM Principles	CP Overview
Road Materials	Soil Engineering Properties	Project Management	Earthworks
Road Design	Soil Testing	Engineering Contracts	Civil Works
Road Drainage	Soil Improvement	Contract Administration	Excavations and Foundations
Road Maintenance	Geotechnical Investigations	Professional Practice	Structures

January
February
March
April
May
June
July

LEARNING AND AWARD PROCESS



NZDE ALIGNMENT

HE1-Road Overview

HE2 – Road Earthworks

HE3 – Road Pavement

HE4 – Road Drainage

HE5 - Road Maintenance

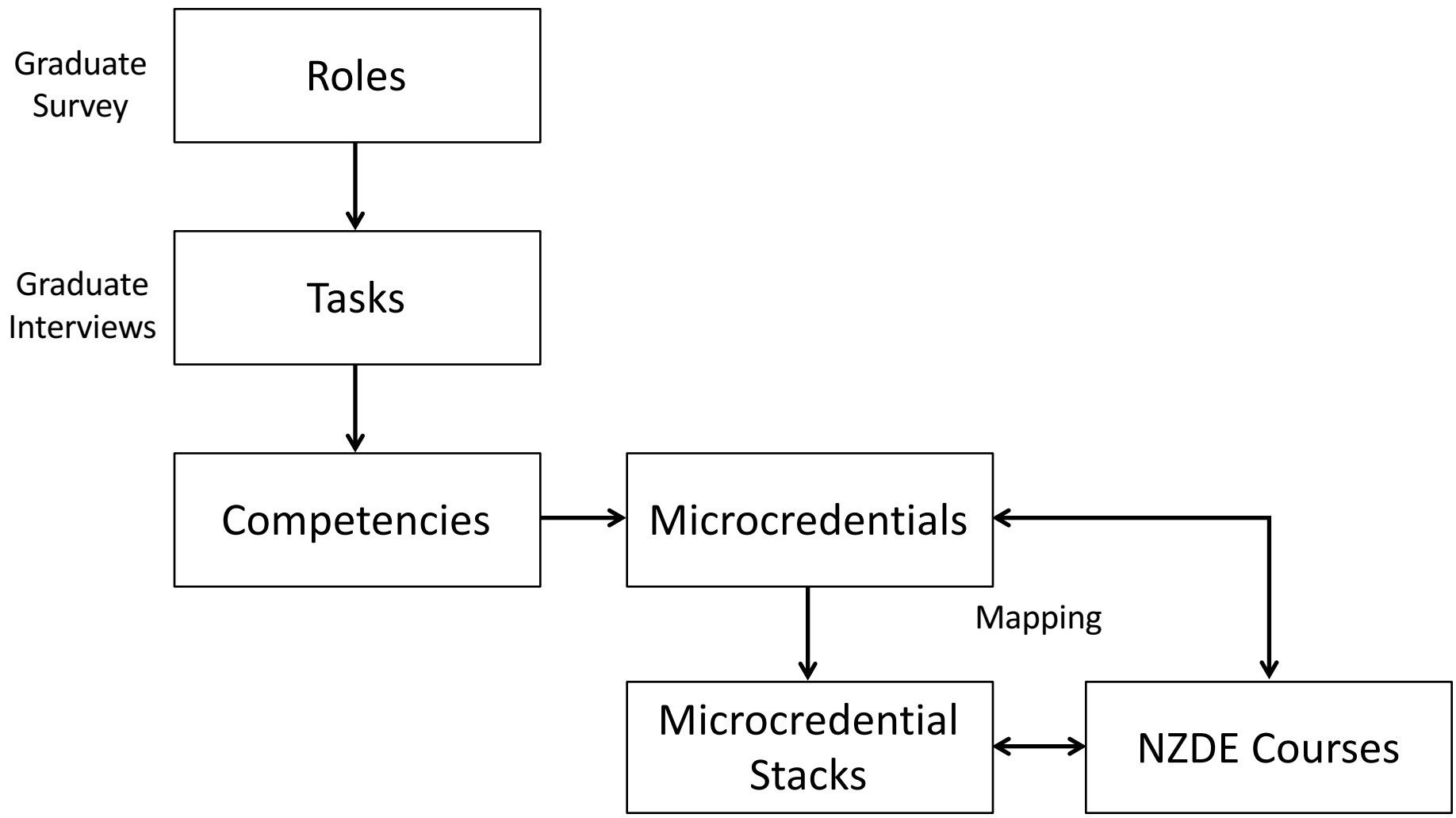
Provide evidence of prior learning for

DE5204 – Highway Engineering 1

Learning Outcomes

1. Outline and describe road infrastructure administration agencies, road transportation funding mechanisms and principles of route location.
2. Evaluate the properties and testing of road earthworks, pavement and wearing surface materials and demonstrate knowledge of road construction practice.
3. Demonstrate an understanding of the components, functions and design of surface and sub-surface drainage for roads.
4. Evaluate road maintenance solutions/techniques and develop a simple road maintenance strategy.

CBM DEVELOPMENT



POTENTIAL EDUCATIONAL USES

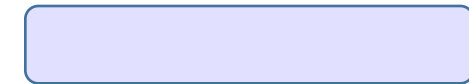
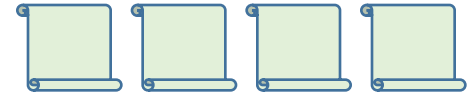
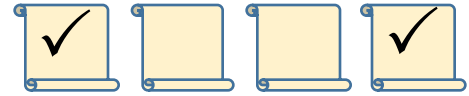
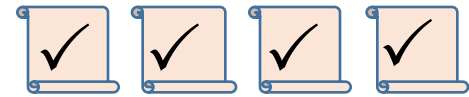
- Alternative delivery method

- Bridging education

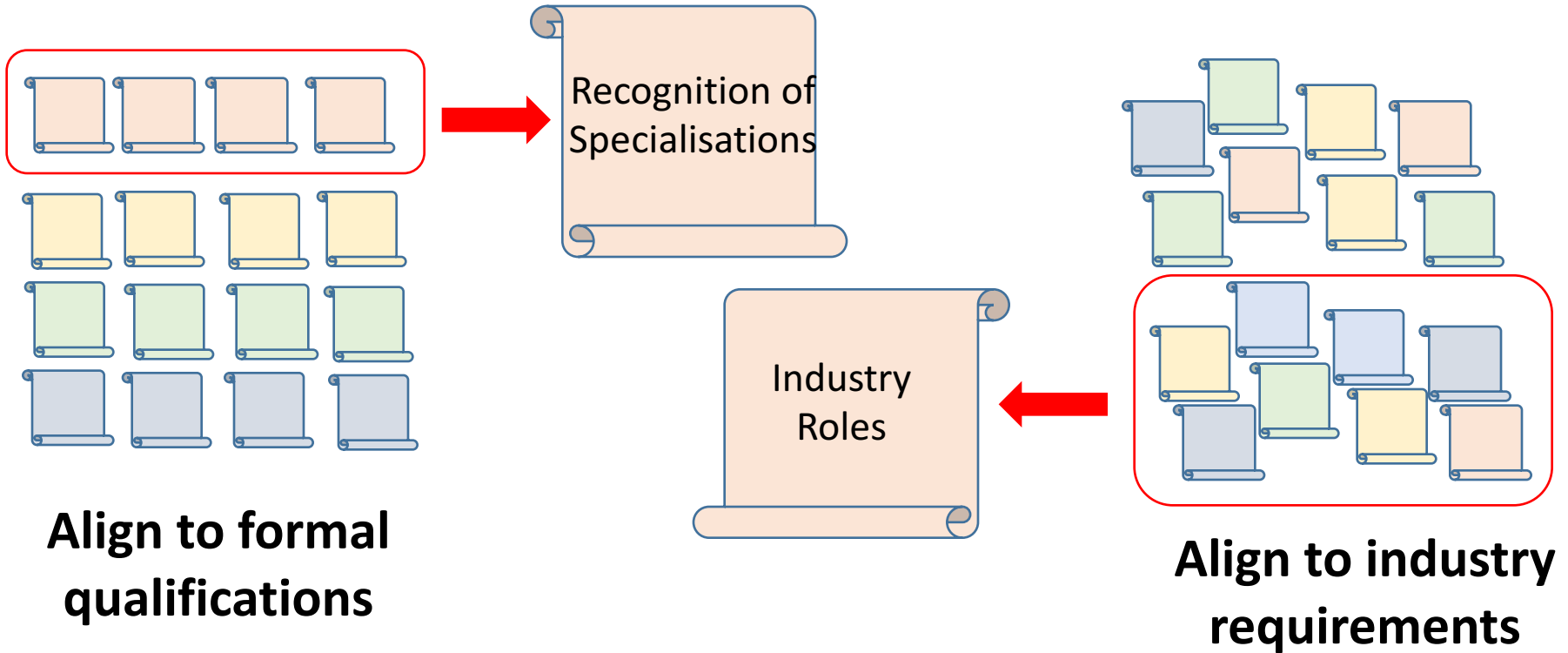
- Assessment of Prior learning

- Additional/New Competencies

- Professional Development

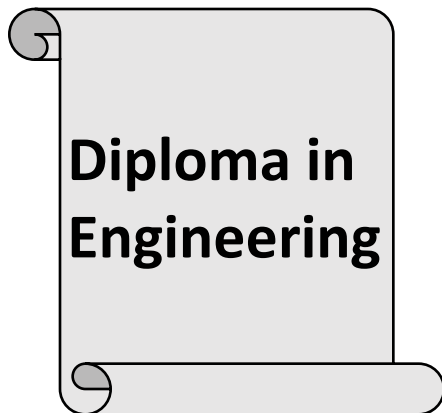


NZQA MICROCREDENTIALS OPPORTUNITIES



Align to formal qualifications

Align to industry requirements



Industry

Questions

Clarifications

Opportunities


DISCUSSION

Concerns

Comments

Issues

DISCUSSION - FUTURE



**give all learners
the education and
training they need
for the workplace**

**give employers
greater access to a
skilled, work-ready
workforce across
all regions of
New Zealand**

**ensure all the
regions of
New Zealand have
collaborative,
flexible, innovative
and sustainable
providers**

Could microcredentials be part of our response?