

Title	Select and allocate resources for infrastructure works projects		
Level	5	Credits	8

Purpose	<p>This unit standard is for people who have the responsibility and authority to coordinate and oversee the selection and allocation of resources for infrastructure works projects; either on a large project with a number of teams, or multiple projects.</p> <p>People credited with this unit standard are able to: assess contract documents to determine plant, equipment, and vehicle requirements; select resources for infrastructure works projects; and allocate resources to infrastructure works projects.</p>
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Classification	Infrastructure Works > Infrastructure Works Supervision
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Available grade	Achieved
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Explanatory notes

- 1 Assessment against this unit standard must take place in a workplace environment. Assessment parameters depend on company and site specific equipment, procedures, and practices. Practices must reflect industry best practice and comply with legislative requirements.
- 2 The following code of practice, guidelines, and instructions must be complied with as appropriate to the context of assessment for this unit standard: *Approved Code of Practice for Cranes - Includes the Design, Manufacture, Supply, Safe Operation, Maintenance and Inspection of Cranes* (Wellington: Department of Labour, 2009) available at <http://www.dol.govt.nz>; *Operator Safety Manual for Earthmoving Machinery* (Wellington: New Zealand Contractors Federation) available on request from Infrastructure ITO at <http://www.infrastructureito.org.nz>; manufacturers' instructions relating to plant capacity.
- 3 Definitions
Company requirements include the policy, procedures, and methodologies of the company. They include legislative and regulatory requirements which may apply across the company or to a specific site. Requirements are documented in the company's health and safety plans, traffic management plans, contract work programmes, quality assurance programmes, policies, and procedural documents.
Works site requirements include the location, materials, topography, environment, proximity to public facilities, adjacent work, and legal requirements.
Contract specifications include plans, diagrams, and special technical conditions. They do not include special administrative conditions.
Resources include plant, equipment, vehicles and operators.

Outcomes and evidence requirements

Outcome 1

Assess contract documents to determine plant, equipment, and vehicle requirements.

Evidence requirements

- 1.1 Contract plans and specifications are assessed for scope, cost, time scale, and quality in accordance with company requirements.
- 1.2 Prospective project conditions are determined in accordance with company requirements.
- Range may include – logistics, ground conditions, climate, ground temperature, environmental protection, altitude, proximity to public facilities, traffic flow.
- 1.3 Characteristics of required materials are determined in accordance with contract specifications and company requirements.
- Range may include – type, volume, weight, workability, handling, consistency, hazardous substances.
- 1.4 Restrictions imposed on plant, equipment, and vehicle selection by task and works site requirements are determined in accordance with contract specifications and company requirements.
- Range location, materials, topography, health, safety, environment, proximity to public facilities, adjacent work, legal requirements, work time restrictions.

Outcome 2

Select resources for infrastructure works projects.

Evidence requirements

- 2.1 Plant, equipment, and vehicles are assessed for suitability to meet task and works site requirements.
- Range type, quantity, time, capacity, performance, productivity, specification, quality, serviceability.
- 2.2 Availability of company plant, equipment, and vehicles is determined.
- Range cost, suitability, serviceability, time, place;
may include – warrant of fitness, certificate of fitness, certificate of loading, hubodometers.

2.3 Skills of available operators are checked against project requirements in accordance with company requirements.

Range competencies, licences, training, qualifications.

2.4 Cost and time for use of plant, equipment, and vehicles are estimated in accordance with company requirements.

Range target costs, utilisation, performance, output, specifications, quality.

2.5 Plant, equipment, and vehicles are selected.

Outcome 3

Allocate resources to infrastructure works project activities.

Evidence requirements

3.1 Plant, equipment, and vehicle requirements are planned to meet infrastructure works programmes.

Range forecasts, sequence, lead time, delivery dates, cost, recording, scheduled maintenance (includes refuelling).

3.2 Plant, equipment, and vehicles are procured in accordance with company requirements.

3.3 Plant, equipment, and vehicles are obtained and allocated in accordance with company requirements for priorities, records, reporting, and returns.

3.4 Operating personnel are assigned in accordance with company requirements.

Planned review date	31 December 2015
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Status information and last date for assessment for superseded versions

Process	Version	Date	Last Date for Assessment
Registration	1	30 July 1996	31 December 2012
Revision	2	9 March 1999	31 December 2012
Review	3	30 May 2000	31 December 2012
Review	4	25 September 2006	31 December 2012
Review	5	18 March 2011	N/A

Accreditation and Moderation Action Plan (AMAP) reference	0101
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This AMAP can be accessed at <http://www.nzqa.govt.nz/framework/search/index.do>.

Please note

Providers must be granted consent to assess against standards (accredited) by NZQA, or an inter-institutional body with delegated authority for quality assurance, before they can report credits from assessment against unit standards or deliver courses of study leading to that assessment.

Industry Training Organisations must be granted consent to assess against standards by NZQA before they can register credits from assessment against unit standards.

Providers and Industry Training Organisations, which have been granted consent and which are assessing against unit standards must engage with the moderation system that applies to those standards.

Consent requirements and an outline of the moderation system that applies to this standard are outlined in the Accreditation and Moderation Action Plan (AMAP). The AMAP also includes useful information about special requirements for organisations wishing to develop education and training programmes, such as minimum qualifications for tutors and assessors, and special resource requirements.

Comments on this unit standard

Please contact Infrastructure ITO askus@infratrains.co.nz if you wish to suggest changes to the content of this unit standard.