

<b>Title</b>	<b>Undertake production planning, monitor, and make recommendations for improvements in production for an extractive site</b>		
<b>Level</b>	<b>6</b>	<b>Credits</b>	<b>25</b>

<b>Purpose</b>	People credited with this unit standard are able to: undertake production planning; monitor production; compare production plan with previously achieved outcomes; develop and analyse key performance indicators and/or measures and make recommendations for improvements in production, for an extractive site.
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<b>Classification</b>	Extractive Industries > Extractive Industries Management
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<b>Available grade</b>	Achieved
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## Guidance Information

### Definitions

*Company policy and procedures* mean the documented methods for performing work activities and include health and safety, operational, environmental, and quality management requirements. They may refer to manuals, codes of practice, or policy statements.

*Production planning* refers to the application of resources to achieve planned outcomes in an effective and efficient manner.

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## Outcomes and performance criteria

### Outcome 1

Undertake production planning for an extractive site.

### Performance criteria

- 1.1 Production plan identifies workplace resources required for optimal production for an extractive site.
- Range equipment availability and capacity, labour availability, substrates, materials, time lines, resource allocation.
- 1.2 Production hours required and commencement times are scheduled in the plan in accordance with production timelines.

1.3 Production plan identifies budgetary requirements for efficient expenditure throughout the production process.

Range timely capital expenditure, efficient resource allocation costs.

1.4 Downtime and maintenance programmes are scheduled in the production plan.

## Outcome 2

Monitor production for an extractive site.

### Performance criteria

2.1 Equipment capacity utilisation is monitored in accordance with production plan.

Range under/over utilisation, coordination of labour resources to meet demands.

2.2 Effectiveness of purchasing and supply of materials and outside services is monitored.

Range delivery performance, quality, quantity.

2.3 The achievement of quality standards and procedures is monitored in accordance with production plan and company procedures.

Range product quality, agreed product cost, legislative compliance, safety.

2.4 Scheduled downtime and maintenance programmes are monitored in accordance with the production plan.

## Outcome 3

Compare production plan with previously achieved outcomes of an extractive site.

### Performance criteria

3.1 Comparison may demonstrate any combination of a reduction or prevention of bottle-necks, reduction of process flow impediments, reduced lead times, minimised downtime; and their impact on production costs, productivity and use of resources in the extractive industries operation.

3.2 Outcomes of the review of the operational objectives are documented in accordance with company policy.

Range adequacy, effectiveness.

## Outcome 4

Develop and analyse key performance indicators and/or measures and make recommendations for improvements in production for an extractive site.

**Performance criteria**

- 4.1 Tools and systems are developed that provide data that enable the analysis of key performance indicators and/or measures.
- 4.2 Key performance indicators and/or measures are analysed in terms of the effectiveness and function of the extractive operation.
- Range effectiveness may include but is not limited to – timeliness, plant capability, systems planning, external linkages.
- 4.3 Recommendations for change are developed that identify processes and solutions to improve production for an extractive operation.

<b>Planned review date</b>	31 December 2022
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**Status information and last date for assessment for superseded versions**

Process	Version	Date	Last Date for Assessment
Registration	1	23 April 2007	N/A
Rollover	2	25 January 2018	N/A

<b>Consent and Moderation Requirements (CMR) reference</b>	0114
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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 MITO New Zealand Incorporated [info@mito.org.nz](mailto:info@mito.org.nz) if you wish to suggest changes to the content of this unit standard.