



- Sand has been removed from the title, elements, and performance criteria of unit standards 17981, 17987, 17990, and 17993 to make these unit standards more generic and therefore available in a greater range of contexts.
- Unit standards 15660 and 18704 have been extended to include tunnels.
- Unit standards 7160, 7164, and 7165 have amended titles to include the option of tunnels.

**Unit standards categorised as category C or D expire at the end of December 2007.**

### Impact on existing provider accreditations

| Current Accreditation for |                    |       | Accreditation extended to |       |       |
|---------------------------|--------------------|-------|---------------------------|-------|-------|
| Nature of accreditation   | Classification     | Level | Nature of accreditation   | Id    | Level |
| Domain                    | Surface Extraction | 2     | Standard                  | 22058 | 3     |

### Impact on Accreditation and Moderation Action Plan (AMAP)

AMAP Plan ref: 0114 has been updated to reflect the changes made to the standards.

### Impact on existing qualifications

The following Extractive Industries Training Organisation qualification is affected by the outcome of this review and will be updated by December 2005.

| Qualification title  | Standards in the qualification |
|--|--------------------------------|
| National Diploma in Extractive Industries (Management) with strands in Surface Extraction, Underground Coal Extraction, and Underground Metaliferous Extraction/Tunnelling [Ref: 0806] | 15660, 15671, 17744            |

### Summary of main changes to standards' Ids, classification, titles, levels, and credits

The following summary shows the changes made to the standards as a result of the review. All changes are in **bold**.

| Key to review category |   |
|------------------------|---|
| <b>A</b>               | Dates changed, but no other changes are made - the new version of the standard carries the same Id and a new version number           |
| <b>B</b>               | Changes made, but the overall outcome remains the same - the new version of the standard carries the same Id and a new version number |
| <b>C</b>               | Major changes that necessitate the registration of a replacement standard with a new Id   |
| <b>D</b>               | Standard will expire and not be replaced  |

Subfield      Extractive Industries Management

| Id    | Title   | Level    | Credit    | Review Category |
|-------|---|----------|-----------|-----------------|
| 15660 | Select excavation and transportation plant for tunnels and underground metalliferous mines              | 5        | 8         | B               |
|       | <b>Analyse and select mining and transportation plant for metalliferous underground extractive site</b> | <b>6</b> | <b>15</b> |                 |

| <b>Id</b>    | <b>Title</b>  | <b>Level</b> | <b>Credit</b> | <b>Review Category</b> |
|--------------|---|--------------|---------------|------------------------|
| 15671        | Demonstrate knowledge of theoretical mechanics and apply in laboratory conditions                         | 5            | 12            | C                      |
| <b>22056</b> | <b>Demonstrate knowledge of theoretical mechanics for extractive industries</b>                           |              | <b>20</b>     |                        |
| 15672        | Demonstrate knowledge of Mines Rescue Service<br><b>Demonstrate knowledge of the Mines Rescue Service</b> | 2            | 2             | B                      |
| 17744        | Read and interpret an underground extractive site plan  | 4            | 5             | B                      |

## Domain Surface Extraction

| <b>Id</b>    | <b>Title</b>   | <b>Level</b> | <b>Credit</b>   | <b>Review Category</b> |
|--------------|--|--------------|-----------------|------------------------|
| 8896         | Undertake aggregate drying plant operation for extractive work   | 2            | 5               | C                      |
| <b>22058</b> | <b>Describe and operate a drying plant at an extractive site</b>   | <b>3</b>     | <b>10</b>       |                        |
| 14869        | Operate a separate circuit as a part of lime mill processing   | 4            | 15              | C                      |
| <b>22059</b> | <b>Describe and operate a separate circuit at a lime mill processing plant</b>   |              | <b>20</b>       |                        |
| 14960        | Operate a ladle carrier at a slag extraction site<br><b>Describe and operate a ladle carrier at a slag extraction site</b>   | 3            | 20              | B                      |
| 14961        | Operate a dock truck at a slag extraction site<br><b>Describe and operate a dock truck at a slag extraction site</b>   | 3            | 20              | B                      |
| 14962        | Operate a coil fork at a slag extraction site<br><b>Describe and operate a coil fork at a slag extraction site</b>   | 3            | 20              | B                      |
| 17981        | Operate a hopper/cable reel car at a sand extraction site<br><b>Describe and operate a hopper/cable reel car at a surface extraction site</b>                              | 3            | 6               | B                      |
| 17983        | Demonstrate knowledge of emergency shutdown procedures at a sand extraction site   | 2            | 6               | B                      |
| 17987        | Install and operate moveable conveyors at a sand extraction site   | 4            | 15              | C                      |
| <b>22060</b> | <b>Describe and operate moveable conveyors at a surface extraction site</b>  |              |                 |                        |
| 17988        | Operate and control primary feed systems at a sand extraction site<br><b>Describe and operate primary feed systems at a sand extraction site</b>                           | 3            | 10              | B                      |
| 17990        | Collect and prepare product samples at a sand extraction site<br><b>Describe and plan sampling; and collect, store, and transport samples at a surface extraction site</b> | 3            | 10<br><b>15</b> | B                      |

| Id    | Title   | Level | Credit | Review Category |
|-------|---|-------|--------|-----------------|
| 17993 | Operate and control tailings disposal systems at a sand extraction site<br><b>Describe and operate a tailings disposal system at an extractive site</b> | 3     | 12     | B               |

Domain      Underground Extraction

| Id                    | Title  | Level         | Credit         | Review Category |
|-----------------------|--|---------------|----------------|-----------------|
| 7160                  | Position feeder breaker to feed conveyor belt in an underground mine<br><b>Describe and operate a feeder breaker in an underground extractive site</b>   | 3             | 6<br><b>15</b> | B               |
| 7161                  | Demonstrate ability to maintain and repair electrical equipment in an underground mine   | 4             | 10             | D               |
| 7164                  | Operate a winding engine in an underground mine<br><b>Describe and operate a winding engine in an underground extractive site</b>  | 4             | 6<br><b>15</b> | B               |
| 7165                  | Install tracks and ballast for rope and locomotive haulage systems in an underground mine<br><b>Install tracks and ballast for rope and locomotive haulage systems in an underground extractive site</b> | 3<br><b>4</b> | 6<br><b>10</b> | B               |
| 13358                 | Operate a long hole drill in an underground mine<br><b>Describe and operate a longhole drill for underground extraction</b>  | 4             | 12             | B               |
| 18704<br><b>22057</b> | Demonstrate knowledge of fluid power systems used in underground mines<br><b>Demonstrate knowledge of fluid power systems used in underground mines and tunnels</b>                                      | 4             | 10             | C               |