

QFW167 - Certificate of Competence Requirements as at 1 October 2008

✓ = Unit Standard Required for each Certificate of Competence (pages 1- 2). Please also read 'Special Notes' on page 2
 Unit Title is written in full on pages 3-4

Current Unit No Joint Assmt is in bold	Old Unit No	Surface				Underground							
		B Grade Quarry Manager	A Grade Quarry Manager	B Grade Opencast Coal Mine Manager	A Grade Opencast Coal Mine Manager	1 st Class Mine Manager (Metalliferous)	B Grade Tunnel Manager	A Grade Tunnel Manager	Gas Tester	Coal Mine Deputy *	Coal Mine Under-Viewer *	1 st Class Coal Mine Manager *	Winding Engine Driver
2401							✓	✓		✓	✓	✓	
3271							✓	✓		✓	✓	✓	
7142		✓	✓	✓	✓	✓	✓	✓		✓	✓	✓	
7143			✓		✓	✓	✓	✓		✓	✓	✓	
7144			✓		✓	✓	✓	✓		✓	✓	✓	
7145						✓					✓	✓	
7146						✓	✓	✓		✓	✓	✓	
8899			✓		✓	✓	✓	✓		✓	✓	✓	
8902		✓	✓	✓	✓	✓						✓	
8905		✓	✓	✓	✓	✓						✓	
8909		✓	✓	✓	✓	✓						✓	
8922		✓	✓	✓	✓	✓	✓	✓		✓	✓	✓	
7145 or 21280	7169							✓					
7164													✓
15658			✓		✓	✓						✓	
15660								✓					
15662						✓		✓				✓	
15663			✓		✓	✓						✓	
15664			✓		✓	✓							
15665						✓						✓	
15666						✓		✓			✓	✓	
15667			✓		✓	✓						✓	
15668												✓	
15669								✓					
15670						✓							
15672						✓	✓	✓		✓	✓	✓	
16686						✓	✓	✓		✓	✓	✓	

Current Unit No	Old Unit No	Surface				Underground							
		B Grade Quarry Manager	A Grade Quarry Manager	B Grade Opencast Coal Mine Manager	A Grade Opencast Coal Mine Manager	1 st Class Mine Manager (Metalliferous)	B Grade Tunnel Manager	A Grade Tunnel Manager	Gas Tester	Coal Mine Deputy *	Coal Mine Under-Viewer *	1 st Class Coal Mine Manager *	Winding Engine Driver
17691								✓		✓	✓	✓	
17693						✓						✓	
17705							✓	✓		✓	✓	✓	
17743											✓	✓	
17744						✓					✓	✓	
21151	7168		✓		✓	✓		✓			✓	✓	
21153	8894	✓	✓	✓	✓	✓					✓	✓	
21154	8910	✓	✓	✓	✓	✓						✓	
21155	8912	✓	✓	✓	✓	✓							
21156	8913	✓	✓	✓	✓	✓						✓	
21157	15661		✓		✓	✓						✓	
21278	7147					✓	✓	✓		✓	✓	✓	
21280	7169					✓						✓	
21281	12632					✓	✓	✓	✓	✓	✓	✓	
21629	17746					✓					✓	✓	
21661										✓	✓	✓	
21662										✓	✓	✓	
21821	8919						✓	✓		✓	✓	✓	
21823	15659										✓	✓	
22056	15671					✓						✓	
22057	18704									✓	✓	✓	

SPECIAL NOTES

Current First Aid Certificate: Required for Coal Mine Deputy, Coal Mine Underviewer, Gas Tester

* **Current Gas Tester COC:** Must also hold a current Certificate of Competence as a Gas Tester (which also requires a current first aid cert)

Explosives: In addition to the units required above, where Explosives are used on site the following units are also required:
Unit Standard 21152 and Unit Standard 17694

Compulsory Joint Assessment: Required for Unit Standards 7145, 21280, 21281, 15662, 17705 (indicated in bold).
Exemptions If you hold any of the old units you may be exempt from the new unit, see end of document for information.

Unit Standard Details

Unit Standard	Old Unit Number	Title	Level	Credit
2401		Safely shut down and isolate machines and equipment	3	3
3271		Suppress fire with hand extinguishers and fixed hose reels	2	1
7142		Demonstrate knowledge of the application of regulatory requirements to manage an extractive site	6	25
7143		Inspect and report on extractive site and operations	5	10
7144		Review and implement plans for ongoing operations of an extractive site	5	15
7145		Design, establish, and maintain effective ventilation systems for an underground mine	5	20
7146		Demonstrate basic knowledge and ability required to work in an underground mine	2	6
7238		Operate an automatically controlled winding engine in an underground mine	4	6
8899		Plan storage for product processed at extractive sites	4	8
8902		Prepare and implement safety plans for surface face and benching operations	4	4
8905		Construct and maintain access roads within surface extraction sites	3	3
8909		Maintain working surfaces at surface extraction sites	2	2
8922		Conduct safety checks prior to equipment usage at an extractives site	2	2
15658		Select excavation and transportation plant for surface extraction	4	8
15660		Analyse and select mining and transportation plant for a metalliferous underground extractive site	6	15
15662		Evaluate ground conditions and design support methods for underground mines and tunnels	6	20
15663		Design and maintain stockpiles and sloping surfaces in surface excavations and stockpiles	6	20
15664		Demonstrate knowledge of the geological nature of surface extraction sites	3	5
15665		Demonstrate knowledge of the geology of surface extraction	4	5
15666		Demonstrate knowledge of geology for underground extraction	4	10
15667		Demonstrate knowledge of extraction methods and the effects of geological features on these methods	5	10
15668		Demonstrate knowledge of mining methods for underground coal	6	20
15669		Demonstrate knowledge of tunnelling methods	5	15
15670		Demonstrate knowledge of mining methods for metalliferous mines	6	20
15672		Demonstrate knowledge of the Mines Rescue Service	2	2
16686		Conduct an incident investigation at an extraction site	5	8
17691		Use mathematics to solve problems in an extractive industries workplace	4	15
17693		Explain and determine water flow, select pumps, and structures for an extraction site	6	20
17694		Demonstrate knowledge of explosives and their properties	2	2
17705		Describe, develop, and maintain basic ventilation systems for an underground mine or tunnel	4	15
17743		Demonstrate knowledge of survey principles and apply to an extraction site	4	4
17744		Read and interpret an underground extractive site plan	4	5

Unit Standard	Old Unit Number	Title	Level	Credit
21151	7168	Demonstrate knowledge of planning rehabilitation operations of an extractive site	6	15
21152	8890	Demonstrate knowledge of storing explosives for use in extractive industries	4	10
21153	8894	Demonstrate knowledge of dewatering, pump maintenance, cleaning settling ponds at extraction sites	3	12
21154	8910	Demonstrate knowledge of procedures to minimise environmental impact at an extraction site	5	7
21155	8912	Review consent conditions and demonstrate knowledge of the use of water at surface extraction sites	3	10
21156	8913	Plan, implement, and describe surface extraction production to minimise environmental impacts	5	15
21157	15661	Demonstrate knowledge of and select crushing and screening plant for extractive industries	4	7
21278	7147	Describe, install, and reassess support systems for an underground mine	4	15
21280	7169	Demonstrate knowledge of and design an effective ventilation system in an underground mine	6	20
21281	12632	Interpret and test for gases in an underground extraction site	4	15
21629	17746	Evaluate and implement plans to manage old workings and inundations in underground sites	5	10
21661		Demonstrate knowledge of the use of electrical reticulation plant and equipment in underground mines	4	10
21662		Demonstrate knowledge of development and extraction plant and methods for underground coal mining	4	15
21821	8919	Supply, maintain, deliver, and store services for an underground mine	3	15
21823	15659	Analyse and select mining and transportation plant for underground coalmines	6	15
22056	15671	Demonstrate knowledge of theoretical mechanics for extractive industries	5	20
22057	18704	Demonstrate knowledge of fluid power systems used in underground mines and tunnels	4	10

Exemptions for people holding old unit standards:

If you hold the unit listed under 'credit for old unit number' in your record of learning you are exempt from having to do the new unit standard. Refer to EXITO for further information.

Credit for old unit number:	Exempt from:
7147	21278
7168	21151
7169	21280
8890	21152
8894	21153
8910	21154
8912	21155
8913	21156

Credit for old unit number:	Exempt from:
8919	21821
12632	21281
15659	21823
15661	21157
15671	22056
17746	21629
18704	22057