

### CoC - Competencies for Holders - Minex 141103

		SSE	1 <sup>st</sup> Class Mine Mgr	1 <sup>st</sup> Class Coal Mine Mgr	A-Grade Opencast Coal Mine Mgr	B-Grade Opencast Coal Mine Mgr	A-Grade Quarry Mgr	B-Grade Quarry Mgr	A-grade Tunnel Mgr	B-grade Tunnel Mgr	Coal Mine Deputy	Coal Mine Underviewer	Mine Surveyor	Ventilation Officer	Winding Engine Driver	Mechanical Superintendent	Electrical Superintendent	Supervisor Underground Metalliferous Mine	Supervisor Tunnelling Operation	Supervisor Opencast Coal Mine	Supervisor Opencast Metalliferous Mine	
	<b>New Competencies</b>																					
7142	Demonstrate knowledge of the application of regulatory requirements to manage an extractive site																					
16810	Develop a workplace emergency management plan																					
17279	Demonstrate knowledge of the coordinated incident management system (CIMS)																					
22445	Describe the roles and functions of a CIMS Incident Management Team																					
23547(G3)	Establish the risk management system at an extractive site																					
23548	Establish and maintain the health and safety management system at an extractive site																					
26855	Analyse human factors present in workplace practices to determine how they contribute to incidents at an extractive site																					
26856(G2)	Carry out the risk management processes at an extractive site																					
2401	Safely shut down and isolate machines and equipment																					
3271	Suppress fire with hand extinguishers and fixed hose reels																					
7143	Inspect and report on extractive site and operations																					
7144	Review and implement plans for ongoing operations of an extractive site																					
7145	Design, establish and maintain effective ventilation systems for an underground mine																					
7146	Demonstrate basic knowledge and ability required to work in an underground mine																					
7164	Describe and operate a winding engine in an underground extractive site																					
8899	Plan storage for product processed at extractives sites																					
8902	Prepare and implement safety plans for surface face and benching operations																					
8905	Construct and maintain access roads within surface extraction sites																					
8909	Maintain working surfaces at surface extraction sites																					
8922	Conduct safety checks prior to equipment usage at an extractive site																					
15658	Select excavation and transportation plant for surface extraction																					

### CoC - Competencies for Holders - Minex 141103

		SSE	1 <sup>st</sup> Class Mine Mgr	1 <sup>st</sup> Class Coal Mine Mgr	A-Grade Opencast Coal Mine Mgr	B-Grade Opencast Coal Mine Mgr	A-Grade Quarry Mgr	B-Grade Quarry Mgr	A-grade Tunnel Mgr	B-grade Tunnel Mgr	Coal Mine Deputy	Coal Mine Underviewer	Mine Surveyor	Ventilation Officer	Winding Engine Driver	Mechanical Superintendent	Electrical Superintendent	Supervisor Underground Metalliferous Mine	Supervisor Tunnelling Operation	Supervisor Opencast Coal Mine	Supervisor Opencast Metalliferous Mine	
15660	Analyse and select mining and transportation plant for a metalliferous underground extractive site																					
15662	Evaluate ground conditions and design support methods for underground mines and tunnels																					
15663	Design and maintain stockpiles and sloping surfaces in surface excavations and stockpiles																					
15664	Demonstrate knowledge of the geological nature of surface extraction sites																					
15665	Demonstrate knowledge of the geology of surface extraction																					
15666	Demonstrate knowledge of the geology of underground extraction																					
15667	Demonstrate knowledge of extraction methods and the effects of geological features on these methods																					
15668	Demonstrate knowledge of mining methods for underground coal																					
15669	Demonstrate knowledge of tunnelling methods																					
15670	Demonstrate knowledge of mining methods for metalliferous mines																					
15672	Demonstrate knowledge of the Mines Rescue Service																					
16686	Conduct an incident investigation at an extraction site																					
17691	Use mathematics to solve problems in an extractive industries workplace																					
17693	Explain and determine water flow, select pumps, and structures for an extraction site																					
17694	Demonstrate knowledge of explosives and their properties																					
17705	Describe, develop, and maintain basic ventilation systems for an underground mine or tunnel																					
17741	Demonstrate specialist underground survey techniques																					
17742	Survey and draw an underground extractive site plan																					
17743	Demonstrate knowledge of survey principles and apply to an extraction site																					
17744	Read and interpret an underground extractive site plan																					
17745	Survey and draw a surface extractive site plan																					
21151	Demonstrate knowledge of planning rehabilitation operations of an extractive site																					
21152	Demonstrate and apply knowledge of storing explosives for use																					

### CoC - Competencies for Holders - Minex 141103

		SSE	1 <sup>st</sup> Class Mine Mgr	1 <sup>st</sup> Class Coal Mine Mgr	A-Grade Opencast Coal Mine Mgr	B-Grade Opencast Coal Mine Mgr	A-Grade Quarry Mgr	B-Grade Quarry Mgr	A-grade Tunnel Mgr	B-grade Tunnel Mgr	Coal Mine Deputy	Coal Mine Underviewer	Mine Surveyor	Ventilation Officer	Winding Engine Driver	Mechanical Superintendent	Electrical Superintendent	Supervisor Underground Metalliferous Mine	Supervisor Tunnelling Operation	Supervisor Opencast Coal Mine	Supervisor Opencast Metalliferous Mine	
21153	Demonstrate and apply knowledge of dewatering, pump maintenance, and cleaning settling ponds at extraction sites																					
21155	Review consent conditions and demonstrate knowledge of the use of water at surface extraction sites																					
21156	Plan, implement, and describe surface extraction production to minimise environmental impacts																					
21278	Describe, install, and reassess support systems for an underground mine																					
21280	Demonstrate knowledge of and design an effective ventilation system in an underground mine																					
21281	Interpret and test for gases in an underground extraction site																					
21629	Evaluate and implement plans to manage old workings and inundations in underground sites																					
21661	Demonstrate knowledge of the use of electrical reclamation plant and equipment in underground mines																					
21662	Demonstrate knowledge of development and extraction plant and methods for underground coal mining																					
21821	Supply, maintain, deliver, and store services for an underground mine																					
21823	Analyse and select mining and transportation plant for underground coalmines																					
22056	Demonstrate knowledge of theoretical mechanics for extractive industries																					
22057	Demonstrate knowledge of fluid power systems used in underground mines and tunnels																					
22903	Demonstrate knowledge of modern manufacturing concepts and their significance in plant maintenance																					
22904	Demonstrate knowledge of modern engineering plant maintenance practice																					
22905	Demonstrate planned maintenance work on mechanical equipment																					
23550	Manage the mine ventilation system at an extractive site																					
25878	Demonstrate knowledge of crushing and screening plant for extractives industries																					