

NOS Title	NOS Reference	Grid version control	Edit date	Edits by
Install tunnelling services	COSVR174 v4	V4.10	208/079/2022	Paul Lintott
Overview				
<p>This standard is about preparing and installing services required for tunnelling activities. This will include installing systems for ventilation, pressurised, communication, slurry lines, air and water supply, <u>walkways</u> and material handling <u>Expand as per NWG guidance</u></p> <p><u>Operatives will be working under direction of the leading miner and supervising fitters or mechanics</u> <u>Operatives working to this standard will be able to</u> interpret information, adopt safe, healthy and environmentally responsible work practices, select and use materials, components, tools and equipment, in accordance with organisational requirements which are equal to or exceed current statutory and legislative requirements</p> <p>This standard is for people working in the occupational area of tunnelling operations and can be used by operatives, supervisors and managers</p>				
Performance criteria	Knowledge and understanding	Knowledge and understanding		
Meet the contract specification	P5 Meet the contract specification	P3 Selection of resources		
P5 EDIT	K22 EDIT	K16 EDIT		
<p>comply with the contract information method statement to install tunnelling services carry out the work efficiently to the required specification by:</p> <ul style="list-style-type: none"> demonstrating work skills to: <ul style="list-style-type: none"> - measure - fit - position - connect - check - secure install two three of the following tunnelling back-up services to given working instructions <ul style="list-style-type: none"> - ventilation systems 	<p>how to meet the contract specification in relation to the following: the methods of work to meet the specification, are carried out and how problems are identified and reported by the application of knowledge for safe, healthy and environmental work practices, procedures and skills relating to the method and area of work:</p> <ul style="list-style-type: none"> <u>how to</u> position and install, ventilation systems, pressurised systems, communication systems, slurry lines, air and water supply systems, material handling systems (rail, conveyor and piped), walkways <u>and service brackets</u> 	<p>how the materials, components and equipment relating to types, quantity, quality, sizes and the sustainability of standard and/or specialist resources should be used and how any problems associated with the resources are reported in relation to:</p> <ul style="list-style-type: none"> ventilation systems communication systems pressurised systems water supply systems material handling systems hand and power tools and equipment 		

<ul style="list-style-type: none"> — pressurised systems - communication systems - slurry lines - walkways - air and water supply systems - materials handling systems (rail and/or conveyor and/or piped) - service brackets 	<ul style="list-style-type: none"> • <u>how to</u> remove and dismantle ventilation systems, pressurised systems, communications systems, slurry lines, air and water supply systems, material handling systems (rail, conveyor and piped), walkways <u>and service brackets</u> • <u>how to</u> check connection systems are ready for commissioning • <u>why it is important</u> recognise and determine when specialist skills and knowledge are required and report accordingly • <u>why it is important</u> identify and follow the installation quality requirements • work with, around and in close proximity to plant and machinery • <u>how to</u> work at height using access equipment and systems • <u>how to work in confined spaces</u> • <u>how to</u> use all hand and power tools and equipment • <u>how and why operative care and maintenance of all hand and power tools and ancillary and associated equipment is carried out</u> 	
		K19 methods of calculating the quantity, length, area and wastage associated with the method and procedure to install tunnelling services