

# Training Standard **Draft**



<b>Title</b>	Specialist plant maintenance for drilling and sawing
<b>Duration</b>	Minimum 2 days of 6 learning hours per day
<b>Purpose/ scope</b>	<p>The purpose of training against this standard is to provide the candidates with the knowledge and understanding of carrying out bursting operations safely</p> <p>The scope includes:</p> <ul style="list-style-type: none"> <li>- introduction to the machines</li> <li>- servicing schedules</li> <li>- preparing equipment for work</li> <li>- travelling and manoeuvring</li> <li>- working tasks</li> <li>- shutting down</li> <li>- troubleshooting-error codes</li> <li>- general maintenance &amp; repair</li> <li>- preparing reports</li> <li>- electrical testing</li> <li>- hydraulic checks &amp; topping up procedures</li> <li>- fault diagnosis</li> <li>- identifying replacement parts and ordering</li> </ul>
<b>Occupational relevance</b>	<p>Training delivered against this standard would be relevant to the following occupational group(s):</p> <ul style="list-style-type: none"> <li>• operative and craft</li> </ul>
<b>Candidate pre-requisites</b>	Undertaken the basic course or evidence of 3 years' experience
<b>Instruction/ supervision</b>	<p>Trainer approval through the Drilling &amp; Sawing Association (DSA) - approved training provider route is required.</p> <p>As part of the DSA approved training provider route, as a minimum, course instructors must be able to demonstrate that, in relation to this standard, they have:</p> <ul style="list-style-type: none"> <li>• a minimum of 5 years technically competent experience</li> <li>• a verifiable CV</li> <li>• a train the trainer or instructional techniques course certificate</li> </ul>

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<b>Delivery</b>	<p>Delivery methods for this course are classroom, demonstration and practical.</p> <p>The course can be delivered off the job environment.</p> <p>The equipment and materials must be safe and sufficient and comply with the relevant legislation. The appropriate manufacturer's instructions must be accessible throughout the training.</p> <p>The class size and candidate/instructor ratio must allow training to be delivered in a safe manner and enable candidates to achieve the learning outcomes.</p> <p>The classroom and demonstration aspects of the course can accommodate up to 4 delegates per course. The practical elements will always be performed to a 4:1 candidate:trainer ratio.</p>
<b>Assessment</b>	For the successful completion of training, a learner will carry out an end-test in both theoretical and practical elements. These end-tests along with their contribution throughout the course will be evaluated by a competent trainer.
<b>Quality assurance</b>	<p>Quality assurance against this standard will require initial approval of the training organisation and their content mapped to the standard.</p> <p>CITB will also conduct an approval intervention, either desk-based or centre visit, to ensure the training organisation can meet the requirements of the Training Standard.</p> <p>Approved training organisations (ATOs) will be required to present information on records of training and assessment upon request to CITB for desk-based analysis. They will also be visited annually by the CITB quality assurance team.</p>
<b>Renewal</b>	Non-mandatory refresher recommended every 3 years.
<b>Approval date</b>	November 2018
<b>Review cycle</b>	Either on request or in 3 years from approval date

<b>Learning outcomes</b> <i>The candidate will be able to:</i>	<b>Additional guidance to support learning outcome</b>
Undertake inspection and pre-start checks	Operators Manual
Undertake maintenance schedules	Spares Listing
Demonstrate cleaning methods on various machines	
Demonstrate cleaning of components	
Demonstrate cleaning of electrical components	

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Demonstrate care of the machine	
Undertake maintenance	
Undertake checks of the equipment after care and maintenance	
Undertake daily, weekly and 250 hours service to include lubrication, cracks, mountings, level check, wear and damage, leakage and function	
Undertake checks of electric motor, electric cabinet, terminals and other electrical components.	
Undertake checks of all external parts of the machine for damage and all controls operate faultlessly.	

## **Additional information about this standard**

This standard has been established using the Drilling and Sawing Association:code of practice.

Drilling and Sawing Association:- [www.drillandsaw.org.uk](http://www.drillandsaw.org.uk)

## **Related standards**

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