



BLASTING ASSISTANT:

XTS_ADM_PAM_0001

SURFACE MINES & QUARRIES

3 DAY SHORT COURSE

Presented by

XTRACT TRAINING SERVICES SA (PTY) LTD

(Accreditation No. 16/MQA/1021/AC4/200622)

QCTO Accreditation Number: 07-MQA/SDP210624204436)

DATE: 22 – 24 JUNE 2026

VENUE: Xtract Offices – 64 Boundary Road, Homestead Apple Orchards, Walkerville, Gauteng

COST: R16 964.65 + VAT = R19 509.35 per Delegate Assessment included (The Assessor's Travel and Accommodation will be quoted on once the learner is ready for assessment)

INTRODUCTION

In terms of the Explosives Regulations under the Mine Health and Safety Act, a competent person is required as a blasting assistant.

The competencies required by the Blasting Assistant are:

- safe receipt, storage, issuing and transportation of explosives
- the preparation of primers;
- the charging of blast holes with explosives or the placing of explosive charges;
- the connecting up of blasting rounds or circuits, and
- to assist with the safeguarding of persons against the significant hazards associated with the use of explosives.

WHO SHOULD ATTEND

- Candidates preparing for the Rockbreaking Qualification – Surface Excavations National Certificate Level 3.
- Learner Blasting Assistants

OBJECTIVES

At the end of the programme, participants will be able to:

- Apply safety, health and environmental principles and procedures in a workplace;
- Demonstrate the knowledge of the most common harmful gasses;
- Demonstrate a basic understanding of explosives and accessories;
- Receive, handle, store and issue explosives and accessories;
- Assist in blasting operations;
- Make up primer and charge shot holes;
- Time and connect blast initiation systems in a surface mine;
- Install and maintain an initiating system in a surface mine;
- Perform basic fire fighting.

NOTE: Learners attending the course must have sufficient level of literacy and numeracy.

The on-the-job assessment must be undertaken after successful completion of both this cause and the practical skills coaching and will be at an additional cost.

Limited Seats Available.

**To Register Email: admin3@xtract.co.za or admin-sales@xtract.co.za
or call Lebo Rautsela or Portia Fisher on 010 591 4343 or 071 560 1618**

BLASTING ASSISTANT SKILLS PROGRAMME REGISTRATION FORM

XTS_ADM_FRM_0007

THEORY PART OF THE PROGRAMME - DATES: 22 – 24 JUNE 2026

ASSESSMENT 2 DAYS WHICH WILL BE CONFIRMED WITH THE CLIENT AFTER COMPLETION OF THE

PRACTICALS/WORKPLACE EXPERIENCE

Bookings close on the 10th of JUNE 2026

VENUE: Xtract Offices – 64 Boundary Road, Homestead Apple Orchards, Walkerville, Gauteng

Please complete the form below and return via one of the following means:

- Email: admin3@xtract.co.za or admin-sales@xtract.co.za

Should you require further information, please contact **Lebo Rautsela** or **Portia Fisher** at: 010 591 4343 or 071 560 1618

A. AUTHORISING PERSON: (Supervisor / Manager) – By signing below I agree with terms & conditions.

First Name(s): (in full)		Surname:	
Company/Organisation		Designation:	
Contact Details:	Tel (w):	Postal Address:	
	Cell:		
	Email:		
Signature:		Date:	

B. ACCOUNTS PERSONNEL – By signing below I agree with terms & conditions.

First Name(s): (in full)		Surname:	
Designation:		VAT. No.:	
SDL No.		Order Number:	
Contact Details:	Tel (w):	Postal Address:	
	Cell:		
	Email:		
Signature:		Date:	

C. COSTS:

FEES (Standard): R16 964.65 + VAT = R19 509.35 per delegate
(If cash payment please add R450.00 to the amount fee to cover bank cash deposit fees)

THE ABOVE FEES IS INCLUSIVE OF THE ASSESSMENT RATES; HOWEVER, WE WILL QUOTE FOR THE ASSESSOR'S TRAVEL AND ACCOMMODATION WHEN THE LEARNER IS READY FOR ASSESSMENT.

BANK DETAILS:

Account holder: Xtract Training Services SA (Pty) Ltd	Account No.: 62878421363 (Business)
Bank: FNB	Branch code: 255355
Branch: My Branch	SWIFT Code: FIRZAJJ

D. LEARNER DETAILS – By signing below I agree with terms & conditions.

First Name(s): (in full)		Surname:	
Badge Name:		Designation:	
ID No:			
Company/Organisation			
Contact Details:	Tel (w):	Postal Address:	
	Cell:		
	Email:		
Signature:		Date:	

NOTE:

- Learners attending this programme must have sufficient level of literacy and numeracy.
- The on-the-job assessment must be undertaken after successful completion of both the theoretical course and the practicals/workplace experience. This must be done within six (6) months after completion of the theoretical training.
- Payment to be received by the **10th of June 2026**.
- **NO** cancellations after the **10th of June 2026** but substitutions will be accepted up to the **17th of June 2026**.

Service Level Agreement to be completed on the next page.....

SERVICE LEVEL AGREEMENT
(Knowledge/Practical/Work Experience)
XTS_ADM_SLA_0001
BLASTING ASSISTANT FOR SURFACE MINES AND QUARRIES
(SP-CLA G017)

The Mining Qualifications Authority (MQA) is a tripartite statutory body established by the Mine Health & Safety Act of 1996 and registered by the Minister of Labour as a Sector Education & Training Authority (SETA), in terms of the Skills Development Act of 1998.

The MQA has also been delegated quality assurance functions in terms of section 26I(2) of the Skills Development Amendment Act (SDA) 37 of 2008 and the Quality Council for Trades and Occupations (QCTO) delegation policy of 11 June 2011.

The MQA in turn has to ensure that its Accredited Training Providers maintain the quality of standard qualifications and learning provision.

According to the new QCTO requirements, an occupational qualification represents a planned combination of learning outcomes which is intended to provide qualifying learners with the applied competence to practice an occupation and to provide a basis for further learning.

Occupational qualifications, developed under the auspices of QCTO contain three components for completion prior to assessment for final competence. These are:

- **Knowledge component**

This is provided in the 3 day theoretical short course presented by Xtract Training Services SA (Pty) Ltd plus relevant self-study from notes provided and local site procedures.

- **Skills component**

Xtract Training Services SA (Pty) Ltd can supply Subject Matter Experts to provide “on-the-job” training if required. This, however, would not be cost effective for our clients, the majority of whom already have suitable, long experienced people to act as Mentors/Supervisors for the learners.

Skills Development and formal mentoring schemes should be the target of every responsible employer and it is anticipated that the Client will nominate a Mentor/Supervisor to assist a learner in obtaining the necessary practical experience prior to “on-the-job” assessment.

To this end Xtract Training Services SA (Pty) Ltd provides a Logbook which guides the Learner and Mentor/Supervisor through the required skills implementation for the Skills Programme or Qualification. The Mentor/Supervisor will need to ensure that the Learner puts into practice the knowledge that he/she has obtained and guide the Learner as per Client’s mentorship programme.

It will be necessary to document the learner’s progress including reports from Mentors/Supervisors. This will form part of the Learner’s Portfolio of Evidence for final assessment.

- **Work experience component**

This component will also be gained in the workplace and signed off by the Supervisor prior to assessment. Previous relevant experience, prior to the commencement of formal training, will also be accepted as long as it has been documented.

MQA requires that a Service Level Agreement is signed prior to commencement of training confirming that the site employing the learner applying for training can be used for training and/or education and/or assessment and that this learning site is 'fit for purpose'.

By signing below, the Employer, agrees that the Learner will be provided with the support of his/her employer to complete the on-the-job training explained above.

Name of Organisation	Print company name		
Supervisor/Manager:	Print full names & Surname		
Signature:		Date:	
Email:			

By signing below, the Learner accepts full responsibility to complete the on-the-job training explained above. The learner will be given up to six months (6) in which he/she must complete the workplace experience.

- PLEASE NOTE THAT IF THE LEARNER DOES NOT COMPLETE THE TRAINING IN THE SIX (6) MONTH PERIOD, HE/SHE MUST ARRANGE FOR THE ASSESSMENT AT THEIR OWN EXPENSE.**

Name of Organisation	Print company name		
Learner:	Print full names & Surname		
Signature:		Date:	
Email:			

By signing below, the Provider, agrees that the Learner will be provided with the knowledge component as part of achieving the Blasting Assistant Skills Program.

Name of Provider	XTRACT TRAINING SERVICES SA (PTY) LTD		
Name of Representative:	Print full names & Surname		
Signature:		Date:	
Email:			

LESSON PLAN/COURSE SCHEDULE

XTS_ADM_LP_0002

BLASTING ASSISTANT FOR SURFACE MINES AND QUARRIES

(SP-CLA G017)

(The course will be presented in English and written assignments will also be in English)

Classroom / Theoretical Training

Sequence	Activity	Duration	Time
Day 1	Refreshments	1 hour	07:00 – 08:00
A.1	Registration, Administration & Course Objectives	30 minutes	08:00 – 08:30
	Break	10 minutes	08:30 – 08:40
A.2	Presentation 1/Unit Standard 1: Apply safety, health and environmental principles and procedures in a workplace. <ul style="list-style-type: none"> Explaining safety, health and environmental requirements in a workplace Applying safety, health and environmental principles and procedures in a workplace Exercising safety, health and environmental responsibilities in a workplace 	1 hour 20 minutes	08:40 – 10:00
	Tea Break	15 minutes	10:00 – 10:15
	Criterion Test 1	30 minutes	10:15 – 10:45
A.3	Presentation 2/Unit Standard 2: Demonstrate knowledge of the most common harmful gases and vapours. <ul style="list-style-type: none"> Explain the ceiling limits and effects of the gases and vapours Explain the various types of detection and measurement methodologies for the gases and vapours and the detection instruments' operation Explain the characteristics, sources, occurrence of the gases and vapours Explain the action to be taken and consequence of not taking action if the gases and vapours are encountered 	1 hour 15 minutes	10:45 – 12:00
	Criterion Test 2	30 minutes	12:00 – 12:30
	Lunch	1 hour	12:30 – 13:30

A.4	<p>Presentation 3/Unit Standards 3: Identify and demarcate misfires in a surface excavation.</p> <ul style="list-style-type: none"> • Demonstrate an understanding regarding identification and demarcation of misfires • Prepare to identify and demarcate misfires • Identify and demarcate misfires • Complete the duties pertaining to identification and demarcation of misfires 	1 hour 15 minutes	13:30 – 14:45
	Tea Break	15 minutes	14:45 – 15:00
	Criterion Test 3	30 minutes	15:00 – 15:30
	Wrap-up and closure	15 minutes	15:30 – 15:45
	End of day		15:45

Sequence	Activity	Duration	Time
Day 2	Refreshments	1 hour	07:00 – 08:00
B.1	Presentation 4/Unit Standard 4: Demonstrate a basic understanding of explosives and accessories. Part 1 <ul style="list-style-type: none"> Identify explosives and accessories Demonstrate understanding of the application of explosives on surface excavations Demonstrate understanding of explosives handling Adhere to occupational health and safety requirements 	2 hours	08:00 – 10:00
	Tea Break	15 minutes	10:00 – 10:15
	Presentation 4/Unit Standard 4: Demonstrate a basic understanding of explosives and accessories. Part 2 <ul style="list-style-type: none"> Demonstrate understanding of explosives handling Adhere to occupational health and safety requirements 	1 hour 45 minutes	10:15 – 12:00
	Criterion Test 4	30 minutes	12:00 – 12:30
	Lunch	1 hour	12:30 – 13:30
B.2	Presentation 5/Unit Standard 5: Receive, handle, store and issue explosives and accessories at a workplace. <ul style="list-style-type: none"> Explain the specified requirements pertaining to the receiving, storage and issuing of explosives and accessories at a workplace Prepare to receive, store and issue explosives and accessories at a workplace Receive, handle, store and issue explosives and accessories at a workplace Perform post-receiving, storage and issuing activities 	30 minutes	13:30 – 14:00
	Criterion Test 5	30 minutes	14:00 – 14:30
	Tea Break	15 minutes	14:30 – 14:45
B.3	Presentation 6/Unit Standard 6: Assist blasting operations. <ul style="list-style-type: none"> Demonstrate knowledge and understanding of explosives and accessories Prepare to charge shot holes Charge shot holes Complete the duties pertaining to support in blasting operations 	45 minutes	14:45 – 15:30
	Criterion Test 6	30 minutes	15:30 – 16:00
	Break	10 minutes	16:00 – 16:10

B.4	<p>Presentation 7/Unit Standard 7: Make up primer and charge holes.</p> <ul style="list-style-type: none"> • Demonstrate an understanding of explosives handling, transport and storage • Make up a primer • Prepare to charge shot holes with explosives and accessories. • Charge shot holes with explosives • Perform post-charging activities 	20 minutes	16:10 – 16:30
	Criterion Test 7	30 minutes	16:30 – 17:00
	Wrap-up and closure	15 minutes	17:00 – 17:15
	End of day		17:15

Sequence	Activity	Duration	Time
Day 3	Refreshments	1 hour	07:00 – 08:00
C.1	Presentation 8/Unit Standard 8: Time and connect blast initiation systems. <ul style="list-style-type: none"> • Demonstrate an understanding of explosives handling, transport and storage • Explain the specified requirements pertaining to the installation and maintenance of an initiating system • Prepare to connect blast initiating system • Install the blast initiating system and time the blast. • Perform post-installation activities 	2 hours	08:00 – 10:00
	Tea Break	15 minutes	10:00 – 10:15
	Criterion Test 8	30 minutes	10:15 – 10:45
C.2	Presentation 9/Unit Standard 9: Install and maintain an initiating system in a surface mine. <ul style="list-style-type: none"> • Demonstrate knowledge pertaining to the installation and maintenance of an initiating system • Prepare to install and maintain an initiating system • Install and maintain an initiating system • Complete the duties pertaining to the installation and maintenance of an initiating system 	1 hour 15 minutes	10:45 – 12:00
	Criterion Test 9	30 minutes	12:00 – 12:30
	Lunch	1 hour	12:30 – 13:30
C.3	Presentation 10/Unit Standard 10: Perform basic firefighting. <ul style="list-style-type: none"> • Discuss and explain procedures for dealing with fires in the workplace • Identify the type of fire, its context and select the appropriate fire fighting procedure • Identify, select and check appropriate fire fighting and safety equipment • Fight containable/extinguishable fires • Retreat from fire site and hand over to appropriate personnel • Report/record status of fire and equipment 	30 minutes	13:30 – 14:00
	Criterion Test 10	30 minutes	14:00 – 14:30
	Tea Break	15 minutes	14:30 – 14:45
	Discuss the Log Book, Portfolio of Evidence, Workplace experience and On-The-Job coaching.	30 minutes	14:45 – 15:15
	Wrap-up and closure	15 minutes	15:15 – 15:30
	End of day		15:30