

SOUTH AFRICAN QUALIFICATIONS AUTHORITY



CORE UNIT STANDARDS IN NATIONAL CERTIFICATE: USE OF FIREARMS NQF LEVEL 4.

UNIT STANDARD REFERENCE NUMBER: 10758

TITLE: Safely supervise the operation of a shooting range and shooting exercises.

LEVEL: 5

CREDITS: 30

FIELD: Law, Military Science and Security

SUBFIELD: Safety in Society

ISSUE DATE:

REVIEW DATE:

PURPOSE OF THE UNIT STANDARD:

This unit standard is for relevant personnel (learner range officers) to safely supervise the operation of a shooting range & shooting exercises.

Benefit for society of this unit standard is that the person who completes this will contribute to safety in society.

A person credited with this unit standard will be able to:

- Understand the relevant legislation required for the safe supervision of the general operation of a shooting range & shooting exercises.

- Prepare/brief relevant range / equipment / firearms & personnel required for a shooting exercise.
- Plan, design, execute & coach all types of shooting courses and exercises.
- Conclude/debrief a shooting event/detail/exercise.

LEARNING ASSUMED TO BE IN PLACE:

The following knowledge, skills, attitude and / or equivalent:

- A knowledge, comprehension and application of language and mathematical skills at NQF 4
- Understand the relevant legislation required for the lawful possession and use of relevant firearms
- Handle relevant firearms safely
- Operate, use and maintain relevant firearms
- Shoot relevant firearms competently
- Competent in the relevant job related tactical skill(s) around the use of firearms, i.e. response officer, close protection of persons, specialist units in official institutions, etc.

RANGE STATEMENTS:

This unit standard applies to relevant persons who are tasked with the safe supervision of the general operation of a shooting range & shooting courses/exercises.

SPECIFIC OUTCOMES AND ASSESSMENT CRITERIA:

SPECIFIC OUTCOME 1:

Apply knowledge and understanding of the relevant legislation required for the safe supervision of the general operation of a shooting range & shooting exercises.

ASSESSMENT CRITERIA:

- 1.1 The application of knowledge and understanding on the safe supervision of the general operation of a shooting range is demonstrated in accordance with relevant legislation.

- 1.2 The application of knowledge and understanding on the safe supervision of shooting exercises is demonstrated in accordance with relevant legislation
- 1.3 The application of knowledge and understanding on the safe supervision of the general operation of a shooting range and shooting exercises is demonstrated in accordance with standard range safety rules, standing orders and procedures.
- 1.4 Demonstrate and apply knowledge of relevant safety equipment as required by legislation to be in place on a shooting range/during a shooting detail.

Range: *Relevant legislation must include:*

- *Applicable sections of the Firearms Control Act 60/2000.*
- *Applicable sections of the Health and Safety Act.*
- *South African Bureau of Standards: requirements pertaining shooting ranges.*
- *Vicarious liability*
- *Civil liability*

Supervision must include:

- *Oversee, Manage, Administer, Control, Run, Direct, Take charge of, Organise, Handle.*

Standard range safety procedures & rules must include:

- *Workplace procedures*
- *Firearm safe handling rules*
- *Rules for using, transporting & storing a firearm*
- *General range safety rules (generic)*
- *Shooting range complex specific range rules*
- *Type of firearms and ammunition allowed*
- *Administrative rules*

Standard safety equipment must include:

- *Eye and ear protection*
- *Equipment used to demarcate danger areas, red flags/chevron tape, etc.*
- *Medical bag/container/kit*
- *Communications.*

SPECIFIC OUTCOME 2:

Prepare/brief relevant range / personnel / firearms and equipment required for a shooting exercise/course.

ASSESSMENT CRITERIA:

- 2.1 Range officer's responsibility & authority as per relevant range standing operational procedures is enforced verbally & written.
- 2.2 Range safety procedures & rules have been briefed/performed/enforced.
- 2.3 A general range inspection is conducted.
- 2.4 Range check-in procedures are performed.
- 2.5 Demonstrate and apply knowledge of range capabilities and limitations.

Range: Responsibility & authority must include:

- *Ensure that range, shottist, equipment & conditions are safe & functional*
- *Range officers have overall & undisputed responsibility for the safe handling & shooting of firearms anywhere on the range in any given situation.*

Range standing operational procedures (generic) must include:

- *Safety plan, eye & ear protection, etc*
- *Range operations*
- *Outdoor range inspection checklist*
- *Indoor range inspection checklist*
- *Range safety briefing*
- *Firearms safety briefing*
- *Emergency contingency plan*
- *Incident report form*
- *Indemnity form, etc*

Briefing & enforcement of rules must include:

- *Brief & inform to reduce incidents from occurring*
- *Warnings*
- *Penalties*
- *Loss of privileges*
- *Banning from range*

Range inspection must include:

- *Inspection procedures indoor range:*
 - Condition of range on arrival*
 - Lighting system functional*
 - Ventilation system functional*
 - Targets/target frames/carriers ready & functional.*
 - Bullet trap area functional & free of personnel.*
 - Range in general is functional & safe.*
- *Inspection procedures outdoors range:*
 - Condition of range on arrival*

*Check bullet trap/backstop
Communication systems functional
Targets/target frames/carriers ready & functional.
Absence of personnel/animals in downrange area
Range in general is functional and safe*

Range check-in must include:

- *Reporting to & introduction at the facility offices*

*Type of exercise the range officer will conduct
Amount of students
Range to be used*

- *Receive briefing .*

Briefing on local conditions & range rules specific, etc

- *Receive equipment/stores.*

*Key's, targets, first aid equipment, flags, etc.
Target stands, etc
Earmuffs & eye protection*

Range capabilities & limitations must include:

- *Indoor range:*

*Range designated safe area/warning/danger indicators
Designated spectator area
Designated shooter preparation area
Designated firing point
Target numbers
Backstop /bullet trap
Calibre's/firearms allowed on range
Communications.*

- *Outdoor range:*

*Range designated safe area/warning/danger indicators
Designated firing point
Designated direct firing zone
Side range limitations/safety/side embankments
Butt area
Backstop/bullet trap
Baffles/mufflers.
Calibre's/firearms allowed on range
Communications.*

SPECIFIC OUTCOME 3:

Plan, design, execute and coach all types of shooting courses and exercises.

ASSESSMENT CRITERIA:

- 3.1 The different shooting exercise(s) with regards to the relevant firearms are briefed, explained & demonstrated to learners.
- 3.2 The relevant range are set up to meet all necessary requirements of handgun, hand machine carbine, shotgun & classification (rifle) shooting range complex principles & practices of exercise design.
- 3.3 The shottist is instructed/briefed on range firing line commands & actions to be taken during extraordinary situations.
- 3.4 Emergency procedures and drills are briefed and confirmed.
- 3.5 A shottist is safely and correctly supervised through the relevant exercise of fire.
- 3.6 Target scoring are conducted & administrated in accordance with accepted generic scoring/time keeping methods.
- 3.7 Diagnostic coaching is conducted to identify skills gaps in shooting fundamentals and remedial coaching is conducted to correct such skills gaps.

Range: *Shooting exercises must include:*

- *Standard exercise*
- *Speed exercise*
- *Tactical exercise*
- *Man vs. man exercise*
- *Zeroing firearms*

Principles & practices of exercise design must include:

- *Principles of exercise design:*

Quality;

Practical coaching values are determined by quality & visible relevance of exercise design to solve realistic job related situations.

Elements of accuracy, speed & tactical skill;

Every course of fire to be conducted to allow equal evaluation of these elements.

Balance;

Balance of speed & accuracy will depend on relevant assessment, speed / accuracy to be tested separately.

Realism;

Exercises must be realistic, simulating practical job related scenarios.

Diversity;

No same exercise should be repeated more than once

Freestyle;

*Situations such as barriers, physical limitations, simulated disabilities, etc.
Determines shooting stances – correct use of cover/barricades.*

Difficulty;

*Measured degrees of difficulty, taking in consideration the skills level of the
shottist, should be incorporated into the specific exercise.*

- *Practical method of exercise design:*

Rational behind the specific exercise

Reasons for each specific exercise – determine what is to be tested/coached.

Shottist level of competency

Determine a scenario

Draw up an inventory – equipment/firearms/ammunition, etc.

Range firing line commands must include:

- *Briefing phase*

Specific instruction on the type of exercise to be conducted.

- *Safety*

Identify and designate safe direction.

- *Phase*

Declare range closed/unsafe.

Application - earmuffs/eye protectors

- *Execution phase*

Issue ammunition – as per relevant exercise/firearm.

Issue relevant shooting commands:

Load relevant firearm

Amount & sequence of rounds

Target type/serial (group, application, snap, etc)

Distance

Time limitations

Type of position (stance).

Signal to commence must include:

- *Safety phase.*

Unloading of firearms

Declaration of shottist

Declaration of range officer (range safe shottist move forward)

- *Debriefing phase.*

Diagnostic/remedial coaching

Scoring & patching

Extraordinary situations must include:

- *Firearm stoppages & malfunctions (ammunition)*
- *Taking control of a loaded firearm.*
- *Ceasefire command – incident on range.*

Emergency procedures & drills must include:

- *Contain situation*
- *Render help/aid*
- *Summons help/assistance*
- *Direct help/assistance to location*
- *Take notes/complete prescribed reports.*

Supervised through the relevant exercise must include:

- *complete a shooting exercise /discipline.*

Generic scoring/time keeping methods must include:

- *Comstock*
- *Virginia*
- *Fixed time.*

Diagnostic/remedial coaching must include:

- *Methodology of coaching*
- *Fundamentals of shooting*
- *Common errors encountered.*

SPECIFIC OUTCOME 4:

Conclude/debrief a shooting event/detail/exercise.

ASSESSMENT CRITERIA:

- 4.1 Completed prescribed documentation, administration of legal liabilities and statistics of the range officer, accountability & securing of all relevant firearms, used/unused ammunition & equipment verifies efficient range operations.
- 4.2 A post range inspection is completed after all exercises have been concluded.
- 4.3 Range checkout procedures have been performed.
- 4.4 A formal declaration in terms of relevant legislation of all personnel has been conducted & documented.

Range: *Documentation & administration must include:*

- *Shooting incidents & accidents reports,*
- *Personal record keeping (log book)*
- *Shottist qualification/scoring tables*
- *Shooting exercise tables*
- *Ammunition expenditure register, etc*

Post range inspection must include:

- *Post range inspection procedures indoor range*

Condition of range on departure

Lighting system shut down

Ventilation system shut down

Targets/target frames/carriers deactivated.

Communication systems shut down

- *Post range inspection procedures outdoor range.*

Condition of range on departure

Communication systems shut down

Targets/target frames/carriers deactivated.

Lighting system shut down

Range check-out as per relevant range procedures must include:

- *Report & provide debriefing at the facility offices*

Range left in neat & good order

Debriefing on conditions/incidents experienced

- *Relevant equipment has been handed in/secured.*

Key's, targets, first aid equipment, flags, etc.

Target stands, etc

Earmuffs & eye protection

Declaration must include:

- *No live ammunition, empty cartridges or parts thereof in member's possession, etc.*

ACCREDITATION AND MODERATION OPTIONS:

1. Anyone assessing a learner or moderating the assessment of a learner against this unit standard must be registered as an assessor with the POSLEC SETA ETQA/and any other body with whom a MOU was entered into.
2. Any institution offering learning that will enable achievement of this unit standard must be accredited as a provider through the POSLEC SETA ETQA by SAQA/ and any other body with whom a MOU was entered into.
3. The POSLEC SETA ETQA/ and any other body with whom a MOU was entered into will oversee assessment and moderation of assessment according to the moderation guidelines in the relevant competency and the POSLEC SETA ETQA/ and any other body with whom a MOU was entered into.

NOTES:

1. CRITICAL CROSS-FIELD OUTCOMES

The following critical outcomes are addressed in this unit standard:

- 1.1 Collect, analyse, organise and critically evaluate information related to the relevant legislation required for the safe supervision of the general operation of a shooting range & shooting exercises so that these are accurately interpreted into application performance standards.
- 1.2 Work effectively with others as a supervisor preparing a relevant range / personnel / firearms & equipment required for a shooting exercise/course.
- 1.3 Understand the world as a set of related systems in that legislative requirements are interrelated with the overall safe and general operation of a shooting range.
- 1.4 Organise oneself and one's activities so that all requirements are met in achieving competence in planning, designing, executing & coaching all types of shooting exercises/exercises.
- 1.5 Identify and solve problems related to diagnostic/remedial coaching pertaining shooting fundamentals skills gaps.
- 1.6 Communicate effectively when dealing with learners on the shooting detail

2. ESSENTIAL EMBEDDED KNOWLEDGE

Refer to Specific Outcomes 1,2, 3 and 4, Assessment Criteria and the Range of variables contained in this unit standard and specifically to,

3. SUPPLEMENTARY INFORMATION:

SPECIFIED REQUIREMENTS

Specified requirements include legal and legislative specific requirements and are:

LEGAL

- Applicable sections of the Firearms Control Act 60/2000.
- Applicable sections of the Health and Safety Act.
- South African Bureau of Standards: requirements pertaining shooting ranges.
- Vicarious liability
- Civil liability

STANDARD RANGE SAFETY PROCEDURES & RULES

- Firearm safe handling rules
- Rules for using, transporting & storing a firearm
- General range safety rules (generic)
- Shooting range complex specific range rules
- Type of firearms and ammunition allowed
- Administrative rules

CONTEXT SPECIFIC

- Training provider user manuals
- Specifications, company/organisation operational agreements and policies and procedures

Resources required for Assessment:

- Relevant shooting range.
- Shooting exercise order.
- Tools, equipment and materials for range set up.
- Relevant Firearms and ammunition.
- Holsters and magazine pouches.
- Firearm cleaning equipment
- Safety equipment and protective uniform/clothes
- Communications equipment.
- Necessary administrative and stationary issue.
- First aid/fire fighting equipment.
- Criterion referenced assessment instructions.
- Relevant shooting range standing orders.



UNIT STANDARDS JUSTIFICATION

LEVEL

Attribute	Level	Justification
Skills	5	Definite variety within critical stress, with drastic consequence.
Procedures	5	Familiar procedures apply but not repetitively
Context	5	An endless number of variations can and does occur.
Knowledge	5	Relevant theory is required to address different conditions that may occur.
Information Processing	5	Information is dynamically processed to constantly identify threat
Problem Solving	5	Discretion responsibility and reliability is required to execute the process effectively.
Orientation of activity		