

SOUTHERN AFRICAN EMERGENCY SERVICES INSTITUTE NPC

Registration No. 2014/162285/08

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KRUGERSDORP, 1739

PO Box 613, KRUGERSDORP, 1740

APPLICATION: RECOGNITION OF PRIOR LEARNING ACC 59

Hazmat Operations Core - NFPA 1072, 2013

First Name/s: _____

Surname: _____

ID Number: _____ Age: _____

Employer: _____

Postal Address: _____

(Where result and certificate/s should be sent)

Postal Code: _____

Tel No: _____ Fax No: _____

Cell No: _____ Membership No. _____

NB! Membership of the Institute is a prerequisite for application of RPL

PURPOSE:

The purpose of this procedure is to assess your academical qualification **in combination with your experience** to determine if accreditation for the Hazmat Operations qualification is appropriate. Any person with a Hazardous Material qualification or equivalent (Portfolio of evidence) and **24 Months fire fighting service** and an acceptable **CV of appropriate** experience can apply.

PROCEDURE:

- Submit a certified copy of training attended which satisfy the requirements of NFPA 1072, chapter 5.
- Submit a certified copy of the course content and curriculum of course attended
- The decision of the Accreditation Committee will be final.
- After evaluation of the application, the applicant will be informed in writing of the outcome of the assessment and of what will be required for full accreditation, if applicable.
- If an application is made with any other qualification, not presented by SAESI, the curriculum of the qualification and **Portfolio of Evidence** of the student should be included.
- Application with regards to experience should be completed on annexure A & B. (No other CV will be accepted)
- Proof of Payment MUST ACCOMPANY application

Experience / History

| | |
|--|---------------------------|
| Date 1 st appointed in the Fire Dept. | |
| Highest Fire Qualification (Now) | |
| Position held.(Now) | |
| Designation (Now) | (Ops/Training/Admin Etc.) |
| Duration | From: to: |

The application and proof should be marked "**Quality Assurance Working Group**" and submitted to:

SAESI
P.O. Box 613
KRUGERSDORP
1740
Fax: 011 660 1887
Fax2Mail: 086 544 0008
Email: info@saesi.com

An administrative fee of R164.00 for members and R322.00 for non-members for **each** RPL application will be payable to SAESI before evaluation of the application. Proof of the payment should accompany the application.

The administration fee DOES NOT INCLUDE Certification/Seal fee.

Direct deposits can be made to:

The Southern African Emergency Services Institute. (SAESI)

Bank: ABSA
Account number: 310 810 045
Branch – Krugersdorp 632005

or the SAESI Branch Account to which you belong.

ANNEXURE A

| Employing Service <i>(Where you have worked/are working)</i> | Position/Rank <i>(Held or are holding)</i> | Date | | Primary Functions <i>(What you were / are doing)</i> |
|--|--|-------------|-----------|--|
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ANNEXURE: B

C.V. - Hazmat Operations Core, NFPA 1072, 2013

Standard for Professional Competence of Responders to Hazardous Materials Incidents

This CV should accompany your application for accreditation on the grounds of Recognition of Prior Learning for Hazmat Technician [Form: ACC 59].

Briefly describe your ***Roll as Fire Fighter*** in the following activities. Use all the headings listed below in your CV. The purpose of this is to be able to have a realistic impression of your experience to be able to assess your application fairly.

If you attended any courses related to the Criteria described in the CV, copies of the certificates can be attached.

This CV is required in addition to a certified copy of your Hazardous Material qualification or higher qualification.

Note: Please use additional paper to answer the following questions. In your experience give examples and explain how you have met the following competencies.

The Goal. (5.1)

Discuss your involvement when responding to hazardous materials/WMD incidents regards to, analyzing a hazardous materials/WMD incident to determine the scope of the problem and potential outcomes by completing the following tasks:

- a) Surveying the hazardous materials/WMD incident to identify the containers and materials involved, determine whether hazardous materials/WMD have been released, and evaluate the surrounding conditions
- b) Collecting hazard and response information from MSDS; CHEMTREC / CANUTEC / SETIQ; local, state and federal authorities; and shipper/ manufacturer contacts
- c) Predicting the likely behavior of a hazardous material/WMD and its container
- d) Estimating the potential harm at the hazardous materials/WMD incident, as per NFPA 1072,

Discuss your involvement when responding to hazardous materials/WMD incidents regards to, Planning an initial response to a hazardous materials/WMD incident within the capabilities and competencies of available personnel and personal protective equipment by completing the following tasks:

- a) Describing the response objectives for the hazardous materials/WMD incident
- b) Describing the response options available for each objective
- c) Determining whether the personal protective equipment provided is appropriate for implementing each option
- d) Describing emergency decontamination procedures
- e) Developing a plan of action, including safety considerations, as per NFPA 1072,

Discuss your involvement when responding to hazardous materials/WMD incidents regards to, Implementing the planned response for a hazardous materials/WMD incident to favorably change the outcomes consistent with the emergency response plan and/or standard operating procedures by completing the following tasks:

- a. Establishing and enforce scene control procedures including control zones, emergency decontamination, and communications
- b. Where criminal or terrorist acts are suspected, establish means of evidence preservation
- c. Initiating an incident command system (ICS) for hazardous materials/WMD incidents
- d. Performing tasks assigned as identified in the incident action plan
- e. Demonstrating emergency decontamination, as per NFPA 1072,

Discuss your involvement when responding to hazardous materials/WMD incidents regards to, evaluating the progress of the actions taken at a hazardous materials/WMD incident to ensure that the response objectives are being met safely, effectively, and efficiently by completing the following tasks:

- a. Evaluate the status of the actions taken in accomplishing the response objectives
- b. Communicating the status of the planned response, as per NFPA 1072,

Analyzing the Incident. (5.2.)

Discuss your involvement in surveying the incident to identify the containers and materials involved, determining whether hazardous materials/WMD have been released, and evaluating the surrounding conditions when responding to hazardous materials/WMD incidents, as per NFPA 1072 by:

- a) Identify the health and physical hazards that could cause harm.
- b) Identifying each Pressure containers by type
- c) Identifying each Cryogenic containers by type
- d) Identifying each Liquids-holding containers by type
- e) Identifying each Solids Holding containers by type
- f) Identifying each Mixed Loads containers by type
- g) Identifying the characteristics of each Intermediate bulk container & Ton container by type
- h) identifying the markings that differentiate one container from another
- i) identifying the markings that differentiate Highway transport vehicles, including cargo tanks Intermodal equipment, including tank containers Rail transport vehicles, including tank cars

- j) identifying the emergency telephone number, owner, and product using a pipeline marker
- k) identify the active ingredient, hazard statement, name of pesticide, and pest control product number using a pesticide label
- l) Using a label for a radioactive material, identify the type or category of label, contents, activity, transport index, and criticality safety index
- m) Identifying and listing the conditions that should be noted at a Hazardous materials incident.
- n) Shall describe ways to verify information obtained from the survey of a hazardous materials/WMD incident
- o) Identify at least three additional hazards that could be associated with an incident involving terrorist or criminal activities & four locations.
- p) Identifying at least four indicators of possible criminal or terrorist activity involving chemical agents, biological agents, radiological agents, illicit laboratories, explosives and at least four possible actions for each case

Discuss your involvement in collecting hazard and response information using MSDS, CHEMTREC / CANUTEC / SETIQ, governmental authorities, and shippers and manufacturers when responding to hazardous materials/WMD incidents, as per NFPA 1072, 5.2.2 by:

- a) Describe two ways that you can obtain an MSDS and then list all the information that can be found on the MSDS
- b) Describe the types of information that can be found on a CHEMTREC/TREC.

Discuss your involvement in predicting the likely behavior of the material or agent and its container when responding to hazardous materials/WMD incidents, as per NFPA 1072, 5.2.3 by

- a) Identifying the types of stress that can cause a container system to release its contents
- b) Identifying ways containers can breach
- c) Identifying ways containers can release their contents
- d) Identifying dispersion patterns that can be created upon release of a hazardous material (hemispherical, cloud, plume, cone, stream, pool, and irregular).

- e) Identify the time frames for estimating the duration that hazardous materials/WMD will present an exposure risk
- f) Determine the impact of a Hazardous Chemical substance on a container based on the following:
 - I. Boiling point
 - II. Chemical reactivity
 - III. Corrosivity (pH)
 - IV. Flammable (explosive) range [lower explosive limit (LEL) and upper explosive limit (UEL)]
 - V. Flash point
 - VI. Ignition (auto ignition) temperature
 - VII. Particle size
 - VIII. Persistence
 - IX. Physical state (solid, liquid, gas)
 - X. Radiation (ionizing and nonionizing)
 - XI. Specific gravity
 - XII. Toxic products of combustion
 - XIII. Vapor density
 - XIV. Vapor pressure
 - XV. Water solubility
 - XVI. Polymerization
 - XVII. Expansion ratio
 - XVIII. Biological agents and toxins

Discuss your involvement in estimating the potential harm within the endangered area at the incident when responding to hazardous materials/WMD incidents, as per NFPA 1072, 5.2.4

Planning the Response. (5.3)

Discuss your involvement in describing the response objectives when responding to hazardous materials/WMD incidents, as per NFPA 1072, 5.3.1

Discuss your involvement in identifying the options for each response objective when responding to hazardous materials/WMD incidents, as per NFPA 1072, 5.3.2

Discuss your involvement in determining whether available personal protective equipment is applicable to perform assigned tasks when responding to hazardous materials/WMD incidents, as per NFPA 1072, 5.3.3

- a) Identify the respiratory protection & Clothing required

Discuss your involvement in identifying when emergency decontamination is needed when responding to hazardous materials/WMD incidents, as per NFPA 1072, 5.3.4

Implementing the Planned Response. (5.4.)

Discuss your involvement in establishing and enforcing scene control, including control zones and emergency decontamination, and communications between responders and the public when responding to hazardous materials/WMD incidents, as per NFPA 1072, 5.4.1

- a) Identifying the procedures for establishing scene control through control zones
- b) Identifying the criteria for determining the locations of the control zones at hazardous materials/WMD incidents

- c) Identifying the basic techniques for the following protective actions at hazardous materials/WMD incidents
- d) Perform emergency decontamination while preventing spread of contamination and avoiding hazards while using PPE
- e) Identifying the items to be considered in a safety briefing prior to allowing personnel to work
- f) Identify the procedures for ensuring coordinated communication between responders and to the public

Discuss your involvement in preserving evidence as listed in the emergency response plan and/or standard operating procedures when responding to hazardous materials/WMD incidents, as per NFPA 1072, 5.4.2

Discuss your involvement in initiating the incident command system specified in the emergency response plan and/or standard operating procedures when responding to hazardous materials/WMD incidents, as per NFPA 1072, 5.4.3

- a) Identifying the role of the operations level responder during hazardous materials/WMD incidents as specified in the emergency response plan and/or standard operating procedures
- b) Identifying the levels of hazardous materials/WMD incidents as defined in the emergency response plan
- c) Identifying the purpose, need, benefits, and elements of the incident command system for hazardous materials/WMD incidents
- d) Identifying the duties and responsibilities of the following functions within the incident management system:
- e) Identifying the considerations for determining the location of the incident command post for a hazardous materials/WMD incident
- f) Identifying the procedures for requesting additional resources at a hazardous materials/WMD incident
- g) Describing the role and response objectives of other agencies that respond to hazardous materials/WMD incidents

Discuss your involvement in using of personal protective equipment provided by the AHJ when responding to hazardous materials/WMD incidents, as per NFPA 1072, 5.4.4

Evaluating Progress. (5.5.)

Discuss your involvement in evaluating the status of the actions taken in accomplishing the response objectives when responding to hazardous materials/WMD incidents, as per NFPA 1072, 5.5.1

Discuss your involvement in communicating the status of the planned response through the normal chain of command when responding to hazardous materials/WMD incidents, as per NFPA 1072, 5.5.2

Declaration of Applicant & Management Representative/s

I, _____ (initials and surname of applicant) hereby confirm that the information is true and that I will accept the decision of the Accreditation Committee with regards to my application.

Sign: _____ Date _____

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I, _____ in my capacity as the Head of Training for _____ hereby confirm that the above mentioned information, provided above is correct to the best of my knowledge.

Sign: _____ Date _____

(Head of Training)

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I, _____ in my capacity as the Head of Organization / Department / Section _____ hereby confirm that the above mentioned information, provided above is correct to the best of my knowledge.

Sign: _____

(Head of Organization / Department / Section)

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