

	<b>SHE SPECIFICATION FOR MAINTENANCE SERVICES FOR GAUTENG REGION</b>	Template Identifier	240-73419711	Rev	2
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**PROJECT NAME: ELECTRICAL MAINTENANCE SERVICES IN GAUTENG REGION**

**Content**

	<b>Page</b>
1. Introduction.....	3
2. Supporting Clauses.....	3
2.1 Scope .....	3
2.1.1 Purpose.....	4
2.1.2 Applicability .....	4
2.2 Normative/Informative References .....	4
2.2.1 Normative .....	4
2.2.2 Informative.....	4
2.3 Definitions .....	5
2.4 Abbreviations.....	8
2.5 Related/Supporting Documents .....	9
3. Specification.....	9
3.1 Scope of work.....	9
3.2 Legal Compliance.....	9
3.2.1 Section 37(2) (Legal) Agreement.....	9
3.2.2 Hazardous work by children (Child Labour).....	9
3.3 Eskom Requirements.....	10
3.3.5 Personnel Health / Hygiene Facilities .....	12
3.4 Food Handling Hygiene .....	14
3.5 Occupational Health, Hygiene and Rehabilitation .....	14
3.6 Appointments .....	15
3.7 Roles and Responsibilities .....	15
3.8 Risk Assessments .....	15
3.9 Incident Investigation .....	16
3.10 Emergency Management .....	17

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		Document Identifier	240-150748813	Rev	X
		Effective Date	20 February 2016		
		Review Date	February 2020		

4. Acceptance..... 22
5. Revisions ..... 22

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## 1. Introduction

Eskom's responsibility and commitment is to ensure a safe working environment is in line with its Safety, Health, Environmental and Quality Policy, along with legislative obligations.

This SHE specification is Eskom's minimum requirements which are required to be met for the specific contract and for the duration of the contract period by contractors and where required, the delivery organisation.

The contractor is expected to develop a SHE plan which meets these requirements as well as all the relevant applicable legislation they conform to.

Eskom in no way assumes the contractor's legal responsibilities. The contractor is and remains accountable for the quality and the execution of his/her health and safety programme for his/her employees and appointed contractor employees.

This SHE specification reflects minimum requirements and should not be construed as all encompassing.

**Note 1:** All the requirements listed hereunder are in relation to the contract and do not supersede or replace any organizational SHE requirements.

**Note 2:** In terms of Eskom requirements, a section of this professional contract falls within the requirements of the Construction Regulations.

Although there are requirements listed in this specification that do not pertain directly to air charter, the requirements expect of an air charter contractor business to conform to. These requirements are in line with Eskom's Zero Harm value.

Where requirements listed are already in place, then the organisational requirements must be taken cognisance of and listed in the respective SHE plans. If there are any additional Eskom and or legislative requirements listed in the SHE specification, then these must be addressed.

## 2. Supporting Clauses

### 2.1 Scope

This SHE specification lists the legislative and Eskom requirements and where applicable, any requirements pertaining to Local Authorities / Municipal by-laws / Environmental legislation that must be met by the contractor.

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		Effective Date	20 February 2016		
		Review Date	February 2020		

### 2.1.1 Purpose

This document will provide a standardised approach to the compilation of SHE specifications throughout Eskom for contracts and standard and NEC 3 contracts

### 2.1.2 Applicability

This SHE specification is applicable to any contracting organisation who intends tendering for the contract.

## 2.2 Normative/Informative References

Parties using this document shall apply the most recent edition of the documents listed in the following paragraphs.

### 2.2.1 Normative

- [1] Basic Conditions of Employment Act No 75 of 1997.
- [2] Occupational Health and Safety Act and Regulations No 85 of 1993.
- [3] National Environmental Management Act 107 of 1998.
- [4] National Road Traffic Act 93 of 1996.
- [5] 32-37 Eskom Substance Abuse Procedure.
- [6] Air Services Licence Act 115 of 1990.

### 2.2.2 Informative

- [1] 32-726 Mandatory SHE Requirements for Eskom Procurement and Supply Chain Management
- [2] 240-62196227 Eskom Life Saving Rules
- [3] Tobacco Products Control Act 83 of 1993 (Updated 2011.05.19)
- [4] SANS 1186 Symbolic Safety Signs
- [5] Constitution of the Republic of South Africa No 108 of 1996
- [6] 32-95 Eskom Procedure Manual for Performing Occupational Health & Safety Management & Environmental Management: Conducting EH&S Incident Management.

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### 2.3 Definitions

Definition	Explanation
<b>Appointed contractor</b>	Means a contractor appointed by the principal contractor
<b>Baseline risk assessment</b>	(32-520) baseline operational risks refer to the health and safety risks associated with all standard processes and routine activities in the business
<b>Client</b>	Eskom representative (Internal – Asset Owner), also referred to as the contract administrator/custodian or agent or project manager (as defined in the contract). He/she is the person responsible for ensuring that the works or services are executed in terms of the contract, as well as adherence to legislation pertaining to the contract.
<b>Competent person</b>	(OHS Act) means any person having the knowledge, training, experience, and qualifications, specific to the work or task being performed, provided that, where appropriate, qualifications and training are registered in terms of the South African Qualifications Authority Act, 1995 (Act No. 58 of 1995)
<b>Contractor – includes appointed contractor</b>	means an employer as defined in section 1 of the Act who performs contract work and includes principal contractors
<b>Consultant</b>	means a person providing professional advice
<b>Duty of care to the environment</b>	(32-136) anybody who causes or has caused or may cause significant pollution or degradation of the environment must take reasonable measures to prevent such pollution or degradation from occurring, continuing, or recurring. If such harm to the environment is authorised by law or cannot reasonably be avoided or stopped, such person must minimise and rectify such pollution or degradation of the environment
<b>Employee</b>	(OHS Act) means, subject to the provisions of subsection (2), any person who is employed by or works for an employer and who receives or is entitled to receive any remuneration or who works under the direction or supervision of an employer or any other person

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Definition	Explanation
<b>Employer</b>	(OHS Act) means, subject to the provisions of subsection (2), any person who employs or provides work for any person and remunerates that person or expressly or tacitly undertakes to remunerate him/her, but excludes a TES (ex labour broker) as defined in section 1(1) of the Labour Relations Act 1956 (Act No. 28 of 1956)
<b>Eskom requirements</b>	Eskom requirements flowing from directives, policies, standards, procedures, specifications, work instructions, guidelines, or manuals
<b>Hazard</b>	(OHS Act) means a source of, or exposure to, danger
<b>Hazard identification</b>	(OHS Act) means the identification and documenting of existing or expected hazards to the health and safety of persons, which are normally associated with the type of construction work being executed or to be executed
<b>Health and safety file</b>	(OHS Act) means a file or other record, containing the information in writing required by the construction regulations.
<b>Health and safety plan</b>	(OHS Act) means a site, activity or project specific document plan in accordance with the client's health and safety specifications.
<b>Health and safety specification</b>	(OHS Act) means a site, activity or project specific document prepared by the client pertaining to all health and safety requirements related to construction work.
<b>Health and safety requirements</b>	means comprehensive health and safety requirements for a contract, project, site, and scope of work. This specification is intended to ensure the health and safety of persons, both workers and the public, and the duty of care to the environment. The health and safety requirements must be specific to each contract, project, site, and scope of work
<b>Medical certificate of fitness</b>	(OHS Act) means a certificate specific to the work to be performed and issued by an occupational health practitioner in the form of Annexure 3 of the construction regulations.
<b>Medical surveillance</b>	(OHS Act) means a planned programme or periodic examination (which may include clinical examinations, biological monitoring, or medical tests) of employees by an occupational health practitioner or, in prescribed cases, by an occupational medicine practitioner

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Definition	Explanation
<b>Method statement</b>	(OHS Act) means a written document detailing the key activities to be performed in order to reduce, as reasonably as practicable, the hazards identified in any risk assessment
<b>Organisation</b>	may be defined as a group of individuals (large of small) that is cooperating under the direction of executive leadership in accomplishment of certain common objects
<b>Pre-job meetings</b>	(34-227) means a meeting that is held prior to the commencement of the day's work and that is attended by all the relevant employees associated with the work task
<b>Principal contractor</b>	(In the text of this document) Means an employer, as defined in section 1 of the OHS Act, who intends to tender for or has signed a contract with Eskom for services rendered.
<b>Provincial director</b>	(OHS Act) means the provincial director as defined in Regulation 1 of the General Administrative Regulations under the Act
<b>Responsible Manager</b>	Is a Manager of a department, section or operating/business unit who has been appointed as part of the Eskom delegation of authority process with the aim to assist the applicable 16(2) assigned person in executing his/her duties in terms of the Occupational Health and Safety Act
<b>Risk assessment</b>	(OHS Act) means a programme to determine any risk associated with any hazard at a construction site in order to identify the steps needed to be taken to remove, reduce, or control such hazard.
<b>Site</b>	(34-228) means an Eskom department, unit, complex, building, specific project, work site, or the site where agents, clients, principal contractors, contractors, suppliers, vendors, and service providers provide a service to Eskom, directly or indirectly
<b>Service provider</b>	any private person or legal entity that provides any service(s) to Eskom for compensation
<b>Task</b>	(34-227) a segment of work that requires a set of specific and distinct actions for its completion

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		Effective Date	20 February 2016		
		Review Date	February 2020		

Definition	Explanation
<b>Toolbox talks</b>	(34-227) where the team leader, after conducting pre-task planning, shares all the tasks at hand and discusses task allocation, the identified risks, and the control measures with all his/her team members on site before commencing a specific task and documenting the agreed strategy. (This shall be done to ensure common understanding of the tasks, risks, and control measures required.)
<b>The Act</b>	(OHS Act) means the Occupational Health and Safety Act No. 85 of 1993, as amended, and the Regulations thereto
<b>Visitor</b>	any person visiting a workplace with the knowledge of, or under the supervision of, an employer.

## 2.4 Abbreviations

Abbreviation	Description
<b>BU</b>	Business Unit
<b>CE</b>	Chief Executive
<b>COID Act</b>	Compensation for Occupational Injuries and Diseases Act
<b>CR</b>	Construction Regulations
<b>DMR</b>	Driven Machinery Regulations
<b>DoL</b>	Department of Labour ( Inspection and Enforcement services – Provincial office)
<b>EP</b>	Emergency Preparedness
<b>EAP</b>	Employee Assistance Program
<b>ERfW</b>	Environmental Regulations for Workplaces
<b>GAR</b>	General Administrative Regulations
<b>GSR</b>	General Safety Regulations
<b>HCS</b>	Hazardous Chemical Substances
<b>LDV</b>	Light Delivery Vehicle
<b>MSDS</b>	Material Safety Data Sheets
<b>NEMA</b>	National Environmental Management Act
<b>OHS Act</b>	Occupational Health and Safety Act and Regulations, 85 of 1993
<b>SABS</b>	South African Bureau Standard

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		Review Date	February 2020		

Abbreviation	Description
SANS	South African National Standard

## 2.5 Related/Supporting Documents

- [1] Eskom OHS Act section 37 (2) agreement (to be completed by the contract responsible manager).

## 3. Specification

### 3.1 Scope of work

A copy of the scope of works must be retained by the contractor, the work comprise amongst others consist of the supervision, labour, plant and equipment necessary to carry out plumbing maintenance services on an “as and when required” basis. The *Contractor* to respond within 24 hours, however, should the emergency arise, the response time to be immediate

**Note:** The contractor who will be awarded this contract will be known as the “principal contractor” and any contractor appointed by the principal contractor will be known as the “appointed contractor.”

### 3.2 Legal Compliance

#### 3.2.1 Section 37(2) (Legal) Agreement

A section 37(2) agreement must be signed between Eskom and the principal contractor at the time of awarding the contract. The principal contractor must ensure that a section 37(2) agreement is compiled between the principal contractor and all their appointed contractors for the contract.

The original copy of the section 37(2) agreement must be retained by the contractor and a copy retained by the responsible manager.

A copy all the agreements must form part of the respective contractor’s SHE file.

#### 3.2.2 Hazardous work by children (Child Labour)

The constitution of the Republic of South Africa, in the “Bill of Rights” is clear on the rights of children, especially when it comes to:

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		Review Date	February 2020		

1. being protected from exploitative labour practices;
2. not to be required or permitted to perform work or provide services that
  - i. are inappropriate for a person of that child's age; or
  - ii. place at risk the child's well-being, education, physical or mental health or spiritual, moral or social development;

and the Basic Conditions of Employment Act, Chapter six Section 43 "Prohibition of employment of children".

Before resorting to the use of child labour, due consideration must be given to the rights of the child in terms of the constitution. Where work is being performed which is not prohibited in terms of the constitution, then such work must be conducted in terms of the OHS Act "Regulations on Hazardous Work by Children in South Africa" with emphasis on paragraph 2 Purpose and Interpretation. Eskom does not condone the use of child labour and therefore all effort must be exercised and child labour should not be used.

### 3.2.3 OHS Act

The principal contractor and appointed contractors shall have an up to date copy of the OHS Act and regulations which will be available to all employees.

### 3.2.4 Legislative compliance

All contractors will comply with all the legislation pertaining to this contract being:

- The Constitution of the Republic of South Africa (particularly Section 24 of the Bill of Rights).
- Occupational Health and Safety Act 1993 (Act 85 of 1993) and its Regulations.
- Compensation for Occupational Injuries and Diseases Act.

## 3.3 Eskom Requirements

All contractors shall, before commencement of the work ensure that all their employees are familiar with the relevant Eskom SHE documentation that is applicable to services.

### 3.3.1 Appointment of a contractor

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The principal contractor will be appointed by Eskom on the awarding of the contract and will be responsible and accountable for all legislative and Eskom requirements for the duration of the contract.

### 3.3.2 Appointment of sub-contractors

The principal contractor may appoint contractors to assist in the contract. All appointments shall be done in writing and will form part of the SHE plan that is required to be submitted to Eskom. Adequate training and instruction must be given to the appointees and the principal contractor must ensure that all the appointed contractors understand their roles and responsibilities.

**Note:** Copies of contractor appointments must be kept in the respective SHE file.

### 3.3.3 SHE policy

A SHE policy is a statement of intent and a commitment by the organisation's CE and senior management in relation to the relevant SHE roles and responsibilities, the achievement of their strategic objectives, values of integrity, customer satisfaction, excellence, and innovation.

The principal contractor and all appointed contractors, if already not in place, will be required to compile an organisational SHE policy in line with their SHE responsibilities. The policy must be signed by the organisation's CE or the appointed assistant to the CE OHS Act Section 16(2). The policy must be displayed in a prominent place within the workplace. A copy of the policy must be filed in all the contract SHE files and as an annexure the SHE Plans.

### 3.3.4 COID

The principal contractor and all his/her appointed contractors shall be registered with an appropriate employment compensation commissioner and have available a valid letter of good standing (LoGS) from such commissioner. The obligation lies with the contractors to ensure that the LoGS remain valid throughout the contract period. A copy of the LoGS must be filed in the entire contract SHE files and as an annexure the SHE Plans.

### 3.3.5 Eskom Life-saving Rules

1. Eskom views health and safety in high esteem and encourages that any organisation who performs work for Eskom in Eskom adopt the same view.
2. Five Life-saving rules have been developed that will apply to all Eskom Employees, agents, consultants, and **contractors**. Failure to adhere to these rules by any Eskom employee or employee of a Principal Contractor or appointed contractor will be considered a serious transgression. These rules are being implemented to prevent

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		Review Date	February 2020		

serious injury or death of any employee, labour broker or contractor working in any area within Eskom.

3. If any contractual work will be performed on any Eskom premises (including delivery of any product), then the rules **shall be obeyed** by any contractor and their employees.

### 3.3.6 Substance Abuse

1. Alcohol and substance abuse poses a significant threat to any business, more so in industrial incidents and the driving of vehicles. Eskom is therefore, entitled to take reasonable steps to ensure that intoxicated persons are identified and prevented from entering Eskom.
2. General Safety Regulation 2A is clear on the legal stance regarding intoxication.
3. The alcohol and drug permissible level is 0%.
4. All contractors shall comply with Eskom's procedure 32-37 ("Substance Abuse Procedure"), taking in to account that this is an Eskom Life-saving Rule number 4: BE SOBER", this means anyone entering the Eskom Real Estate Gauteng Region will be subjected to ad hoc alcohol testing.
5. Contractors are encouraged to compile their own manual and to carry out regular alcohol testing of their own employees. The legislative alcohol level is deemed to be zero.
6. Test records must be treated as "Confidential" and filed in the employees' personal file.

### 3.3.5 Personnel Health / Hygiene Facilities

#### 3.3.5.1 Dining areas

Where employees are required to consume food and refreshments at the food premises, the following must be complied with:

1. The contractor must be in possession of the Certificate of acceptability, to comply with Regulation 916.
2. Undergone Safety Audit as per SANS 10049: Water Sample tests done, Microbiological tests done, Audit of the food Safety process done.
3. Dining areas shall have suitable and sufficient tables and chairs for seating whilst eating.

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		Review Date	February 2020		

4. Adequate provision for washing, cooking and eating utensils must be provided for.

Dining and kitchen areas shall be kept in a clean, tidy and hygienic manner.

#### **3.3.5.2 Ablution facilities**

At the workplace, where possible, the all contractors must attempt to provide sufficient portable ablution facilities for the employees. Such facilities must be serviced regularly

#### **3.3.5.3 Drinking water**

All contractors shall provide suitable drinking water for all their employees I (free of charge) whilst working in the field. Every effort must be made to keep the water as cold as possible.

#### **3.3.5.4 Changing areas and lockers**

All contractors shall provide suitable changing facilities for employees, irrespective if they change at the premises or at the workplace. Once again, cognisance must be taken of the dignity of fellow workers and members of the public.

#### **3.3.5.5 Camp / office welfare**

The following welfare facilities must be provided for in a clean and suitable condition, unless agreement with the Client/Agent's representative has been confirmed regarding the use of existing facilities:

- a. Shower facilities.
  - b. Sanitary facilities.
  - c. Changing facilities.
  - d. Eating areas.
  - e. Drinking water at strategic locations on site.
  - f. Safe pedestrians walk ways.
1. Water for drinking/consumption purposes shall be drawn only from taps in dining areas and ablution blocks and at points on Site marked "drinking water".
  2. No equipment or system shall be connected onto the drinking water system without prior approval of the Client/Agent's representative.
  3. All contractors must supply a sufficient amount of (cool) potable water on each worksite and in vehicles
  4. The Contractor will be required to provide their own accommodation for the workers

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		Review Date	February 2020		

### 3.4 Food Handling Hygiene

#### 3.4.1 Storage

Where camps are established, adequate cold storage must be supplied for the storage of food.

#### 3.4.2 Transportation

Where bulk purchasing is carried out, all food must be transported in appropriate sealable containers.

#### 3.4.3 Handling

Where camp cooks are employed the appropriate hygienic conditions within the kitchen and utensil washing facilities must be maintained.

### 3.5 Occupational Health, Hygiene and Rehabilitation

All contractors are required to develop an Occupational Health, Hygiene and Rehabilitation program. The program is intended to ensure that the risks to health are identified and controlled.

#### 3.5.1 Medicals

**Note:** Eskom will only accept medical surveillances conducted by an Occupational Health Practitioner who holds a qualification in occupational health.

1. Principle contractors must ensure that their and their appointed contractors have a medical surveillance program whereby their employees under go entry, periodic and exit medical fitness examinations.
2. In order for the appropriate medical examinations to be conducted, each employee must have a person job specification (profile), which must indicate the description of work, list of hazards and potential occupational exposure limits, physical hazards and required physical attributes.
3. For employees working on the contract, medical fitness certificates shall be renewed annually for employees who are not office bound including drivers and once every 3 years for employees that are office bound. This shall be maintained until completion of the contract.
4. The Principal Contractor must ensure that his / her employees and sub-contractor employees have undergone pre-entry medical examination before starting work on the contract, should it be for longer than three (3) days.
5. The principal contractor shall provide a documented process for managing those employees who are issued with a conditional certificate of fitness.

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		Review Date	February 2020		

### 3.5.2 Health and wellness HIV / Aids

Contractors shall submit details of their Employee Health and Wellness Programme as part of their Health and Safety Plan which should include awareness training, support for contracted illness and sharing knowledge with members of the public in the immediate work environment.

### 3.6 Appointments

For the duration of the contract, the principal contractor and all appointed contractors shall appoint competent employees who will meet the requirements of the OHS Act. Where appointments are made, contractors shall ensure that the appointees have been suitably trained and or informed of their responsibilities before getting them to accept such appointment. The relevant statutory appointments shall be made in accordance with the requirements of the OHS Act which includes the requirement of a competent person being appointed in the relevant roles. The statutory appointments should include but not limited to: Fire Fighter and Evacuation warden, First Aider, 16(2) appointment.

### 3.7 Roles and Responsibilities

All contractors are required to list employee's roles and responsibilities pertaining to the contract.

### 3.8 Risk Assessments

It is a legal requirement in terms of Section 8 (2)(d) of the OHS Act for an employer to carry out risk assessments to establish what hazards to the health and safety of persons are attached to any work which is performed, any article or substance which is, handled, stored, transported. A risk assessment is defined as an identification of the hazards present in an organisation and an estimate of the extent of the risks involved, taking into account whatever precautions are already being taken. It is essentially a three stage process:

- identification of all hazards;
- evaluation of the risks;
- Measures to control the risks.

Risk assessments are required to be maintained. This means that significant changes to a process or activity, or any new process or activity should be subjected to a risk assessment and that if new hazards come to light during the work process, then these should also be subjected to risk assessments. Risk assessments for long term processes should be periodically reviewed and updated. Method statements or written safe work procedures are an effective method as information and record of the way jobs / tasks must be performed. Prior

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	<b>SHE SPECIFICATION FOR MAINTENANCE SERVICES FOR GAUTENG REGION</b>	Template Identifier	240-73419711	Rev	2
		Document Identifier	240-150748813	Rev	X
		Effective Date	20 February 2016		
		Review Date	February 2020		

to start of work, risk assessments on every job / task are ideal to allow managers and employees to assess any inherent risks that could have been overlooked during the initial risk assessment or any changes that might have occurred in a period of absence. In particular, if a job / task is extended over a day or halted due to inclement weather.

### 3.8.1 Safe work procedures / method statements

Method statements / written safe work procedure are control measures used to prevent an incident from occurring during the execution of the project. A written safe work procedure/ method statements provide guidance how to execute the task safely. A safe working procedure should be written when:-

- a. Designing a new job or task;
- b. Changing a job or task;
- c. Introducing new equipment or substances; and

The safe working procedure should identify:

- d. The supervisor for the task or job and the employees who will undertake the task;
- e. The tasks that are to be undertaken that pose risks;
- f. The equipment and substances that are used in these tasks;
- g. The control measures that have been built into these tasks;
- h. Any training or qualification needed to undertake the task;
- i. The personal protective equipment to be worn;
- j. Actions to be undertaken to address safety issues that may arise while undertaking the task.

### 3.9 Incident Investigation

All incidents shall be investigated in terms of OHS Act General Administrative Regulations 8 and 9, using Eskom Procedure 32-95 as a reference, and where injuries as contemplated in sections 24 and 25 have been sustained, be reported to the Department of Labour.

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		Document Identifier	240-150748813	Rev	X
		Effective Date	20 February 2016		
		Review Date	February 2020		

Contractors shall use the standard General Administrative Regulation Annexure 1 “Recording of an Incident” form for all incident investigation reports. The objective of incident investigation, not only being a legal requirement, is to establish why and how the incident occurred, but to find out the real causes of the incident and to decide on precautionary measures that are required to address the causes to prevent any further recurrences of the same or similar incidents.

### 3.10 Emergency Management

1. The art of emergency preparedness and response is to minimise the effects of any emergency and to restore normal activities as soon as practical. The supplier must develop their own emergency response in their work premises. The Eskom employees attending training must be made aware of the emergency process and the assembly points. Where any office and or site is located within any Local Authorities area, then the plans must include their involvement. Emergency preparedness.

Periodic emergency drills must be undertaken to test the effectiveness of the plan. This must be recorded and provided on request.

#### 3.10.1 Non-Conformance and Compliance

1. Any non-compliance to any health and safety requirement in this SHE specification is subject to discipline in terms of the Eskom Procurement and Supply Management Procedure.
2. Principal contractors are required to implement a non-conformance procedure (if not already in place) for issuing to contractors for transgressions. The procedure can include “quality” related non-conformance issues. Similarly, appointed contractors must implement a non-conformance procedure.
3. The procedure for the issuing and closing off of non-conformance reports shall be strictly adhered to.
4. Contract management must close out non-conformances issued, in not doing so, will not ensure that any recommendations made have been carried out and or implemented.
5. Where non-conformances are issued by Eskom, then one of the close-out steps of the procedure will be for the offender to be called on by the contractor responsible manager to explain the non-conformance issued and what they intend doing to prevent a recurrence of the non-conformance.
6. Contractor failure to provide adequate PPE to their employees for the tasks being performed and/or to visitors and failure to enforce the wearing of such PPE will be viewed as a transgression of the legislative and Eskom requirements.

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		Document Identifier	240-150748813	Rev	X
		Effective Date	20 February 2016		
		Review Date	February 2020		

### 3.10.2 General Requirements for Plumbing Work and Maintenance

1. The principal contractor or contractor shall register with Plumbing Industry Registration Board (PIRB), Institute of Plumbing South Africa (IOPSA) and department of labour.
2. The principal contractor or contractor shall ensure only qualified plumbers with valid national driver's licence are utilised on site at all time.
3. The principal contractor or contractor shall ensure only licenced plumber sign off PIRB certificate of compliance as per National Building Regulation.
4. The principal contractor or contractor shall ensure that proof of qualifications and competency for plumber resources as state are submitted as part of tender returnable
5. The principal contractor or contractor shall ensure compliance of SANS 10253, SANS 10252, SANS 10400, SANS 10106 and other applicable legislative requirements

### 3.10.3 Personal Protective Equipment Requirements

1. The Principal contractor must provide a detailed programme that includes the issuing, maintenance and replacement of PPE for all his employees and appointed contractors on site.
2. All contractors shall comply with the requirements of GSR 2 of the OHS Act.
3. The risk based PPE matrix must be compiled detailing the types of PPE that is required to be issued to employees performing the respective tasks.
4. Where there are unusual instances where particular activities require additional type of PPE, then a risk assessment must be conducted where such PPE requirements will be identified and the issuing be carried out.
5. All contractors shall ensure that their visitors wear and use the correct PPE whilst on worksites.
6. Where PPE is required and visitors are not in possession of, then it is the individual contractor's responsibility to provide the PPE.
7. All PPE purchased and used by all contractor employees including visitors must comply with the relevant SANS standards.
8. Where deemed as a requirement, then high visibility vests shall be worn.

### 3.10.4 Environmental Management

1. Contractor shall be conversant and in the course of carrying out contractor work to ensure that compliance to all provisions of NEMA Act, regulations, by laws, standard and all applicable environmental legislative requirements pertaining to their work activities on site.
2. The Contractor shall have an Environmental Management Plan for the Scope of work addressing the following as a minimum:

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		Document Identifier	240-150748813	Rev	X
		Effective Date	20 February 2016		
		Review Date	February 2020		

- Waste management (reduction, re-use, recycling, disposal).
- Environmental induction.
- Environmental incident management.
- Emergency planning for environmental incidents.
- Environmental management structure within the Company: Professional Registration of environmental resources(s), responsibility and accountability.
- Method statements related to activities that have significant environmental impacts (methodology and approach) illustrating how environmental impacts and risks are managed.
- Approach to ensuring compliance with environmental compliance obligations.
- Environmental competency, training, appointments

### 3. Identification of Environmental Aspects and Impacts:

- Identification, assessment and control of activities that have or may have an impact on the environment.
- The methodology used must be provided together with the identified activities (if applicable) that have been identified, based on the scope of work, that have an impact on the environment and the controls that will be in place in contract execution.

#### 3.10.5 Working at Heights General Requirements

Wherever reasonably practicable, preference is given to the performance of work at ground level as opposed to the elevated position. Where work in an elevated position is necessary, preference is given to fall prevention measures such as, but not limited to, effective barricading and the use of work platforms. Persons may only work from a fall risk position if a site-specific fall protection plan is in place and correctly implemented and consists of the following:

1. All appointments for the fall protection plan developer and implementer are in place.
2. Baseline risk assessment, which is specific and incorporates the working at height risk assessment, as well as the site-specific risk assessment, has been completed for the work to be conducted.
3. Safe working procedure/task analysis and work instructions, approved by a competent person, are in place.
4. A fall rescue plan, along with necessary equipment and trained rescuers, is in place.
5. Appropriate training, as determined by the risk assessment, has been provided.

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	<b>SHE SPECIFICATION FOR MAINTENANCE SERVICES FOR GAUTENG REGION</b>	Template Identifier	240-73419711	Rev	2
		Document Identifier	240-150748813	Rev	X
		Effective Date	20 February 2016		
		Review Date	February 2020		

6. Appropriate height safety equipment and personal protective equipment have been issued to the individual.
7. There are equipment inspection procedures and up-to-date inspection records.
8. Individuals are medically fit to work at height, and records of this are kept.
9. A site-specific risk assessment is performed.

While work is in progress, adequate warning signs and/or barricades shall be used in all areas where there is a risk of persons being injured by materials or equipment falling from the work area. Barricades should be continuous and easily visible.

A drop zone shall be established with appropriate warning signs and barricading, warning personnel below of workers above and potential falling objects.

**Every employer shall ensure that work at height is:**

1. properly planned;
2. appropriately supervised; and
3. Carried out in a manner that is, as far as is reasonably practicable, safe and that its planning includes the selection of work equipment.

### **3.10.6 Confined Space Requirements**

Contractor shall be conversant when carry out plumbing work in a confined space, working in the confined spaces can kill or cause serious injuries. Contractor shall ensure compliance of OHS Act 85 of 1993, General Safety Regulation 5 and all applicable regulations, standard and by laws.

1. Contractor shall conduct baseline risk assessment and continues risk assessment to identify hazard associated with confined space activities.
2. Shall develop and implement a safe system work procedure and all persons shall be trained and permit must be enforced.
3. Contractor shall receive a permit to work before confine space work can commence.
4. Air test shall be conducted to identify poisonous gases, fumes or vapours that has been build up in sewer, manholes and in pits connected to the system
5. Rescue plan shall be develop, implemented and rescue persons must be trained and be available on site during confined space work carried out.
6. Contractor shall ensure mechanical ventilation maintenance, when work carried out in a confined space to ensure adequate supply of fresh air
7. Contractor shall employ competent persons to work in the confined space and they must be medically fit to work in such activities

### **3.10.7 Hours of Work**

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		Document Identifier	240-150748813	Rev	X
		Effective Date	20 February 2016		
		Review Date	February 2020		

The requirements of the Basic Conditions of Employment Act, Chapter Two “Regulation of Working Time” must be adhered to. All contractors are required to maintain an accurate record of time worked by each employee

#### 3.10.7.1 Normal work

All work conducted on site shall fall within the legal requirements in accordance with the Basic Conditions of Employment Act. Contractors will notify their Eskom Supervisor or project manager of any work that needs to be performed after hours according to the agreed arrangements. (The application needs to be submitted timeously). Where applicable, the notification should include proof of application, for overtime, to the Department of Labour and /or the letter of approval from the Department of Labour.

#### 3.10.7.2 Night work

When night work is to be performed; contractors shall provide sufficient lighting to enable the entire work site to be illuminated to a degree that employees will not work in dark (un-illuminated) or dimly lit areas. Care must be exercised as not to use few lights with high light intensives as this will cause night blindness.

If work is continuing from day light into night, at dusk, a tool box talk must be held where all employees will be advised of the hazards of night work and the extra precautions which require to be taken, i.e. poor housekeeping, stepping on uneven ground, stepping into holes etc.

#### 3.10.7.3 Overtime

When overtime is required to be performed, the appointed contractors shall inform the principal contractor of such action. The principal contractor shall inform the Eskom Real Estate Project Manager of such function. Contractors shall be aware of the effects of human fatigue and regulate overtime accordingly. The baseline risk assessment must be reviewed to include the management of overtime work.

#### 3.10.8 Omissions from Safety and Health Requirements Specification

By drawing up this SHE specification Eskom has endeavoured to address the most critical aspects relating to SHE issues in order to assist the contractor to adequately provide for the health and safety of employees on site.

Should Eskom not have addressed all SHEQ aspects pertaining to the work that is tendered for, the contractor needs to include it in the SHE plan and inform Eskom of such issues when signing the contract.

#### 3.10.9 Contract Sign-Off

On completion of the project, all appointed contractors shall close out their project documentation; SHE files and forwards such to the principal contractor. The principal

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		Document Identifier	240-150748813	Rev	X
		Effective Date	20 February 2016		
		Review Date	February 2020		

contractor shall likewise close out his/her project documentation and SHE files and forwards such to the Eskom Real Estate Project Manager.

#### 4. Acceptance

Null.

#### 5. Revisions

Date	Rev.	Compiler	Remarks
August 2015	0	F Poee	This provides the initial SHE specification requirements that must be met by the relevant contractors who have been awarded a contract for the work to be performed for Eskom.
09 October 2019	1	R Shivambu	

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