

	<p align="center">SHE SPECIFICATION Smart Grid Enablement Project WC</p>	Document Identifier	056-4515009/240-73416879	Rev	2	
		Effective Date	20 February 2016			

Project Names: Smart Grid Enablement Project (Smart Metering)

Project Address: WC – Cape Coastal Cluster

Scope of the Project: Replace existing basic split meter with smart meter (pole mounted) , Replace existing basic split meter with smart meter (ground mounted) , Replace existing common base meter (ECU) with smart meter, Replace existing common base meter(ED) with smart meter , Replace conventional meter up to 50kVA with smart meter (Din rail) , Replace conventional meter up to 50kVA with smart meter (BS footprint) and New smart meter installations inside pole mounted kiosk .

Contracts Manager

Name: Duranne Geswint



25.07.2025

.....

Eskom's Health and Safety Manager

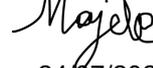
Name: Ali Mohlouoa



23/07/2025

Eskom's Safety Officer

Name: Thulane Majebe



24/07/2025

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Effective Date: 01.04.2025

Next Review Date: 02.10. 2027

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	<p align="center">SHE SPECIFICATION Smart Grid Enablement Project WC</p>	Document Identifier	056-4515009/240-73416879	Rev	2	
		Effective Date	20 February 2016			

Contents

1. Introduction5

2. Supporting Clauses5

2.1 Scope.....5

 2.1.1 Purpose.....5

 2.1.2 Applicability.....5

2.2 Normative / Informative References.....5

 2.2.1 Normative6

 2.2.2 Informative6

2.4 Abbreviations..... 11

2.5 Roles and Responsibilities 12

2.5.1 Commitment 12

2.6 Related / Supporting Documents 21

3.1 Scope of work: 21

3.2 Legal Compliance..... 21

 3.2.1 Section 37(2) (Legal) Agreement 21

 3.2.2 Hazardous work by children (Child Labour) 21

3.3 Eskom Requirements 22

3.4 Construction Professional Registration..... 23

3.5 Notification of Construction Work 23

3.6 SHE Policy 23

3.7 COID 23

3.8 Costing for SHE within the Project..... 24

3.9 Statutory Appointments..... 24

3.10 Eskom Life-saving Rules Rev 7 25

3.11 Substance Abuse 27

3.12 Contractor organisational Structure 27

 3.12.1 Principal Contractor Organogram..... 27

 3.12.2 Appointed Contractor (s) Organogram 28

3.13 Risk assessment (refer to 32-520)..... 28

3.14 Safe work procedures / method statements 29

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	SHE SPECIFICATION Smart Grid Enablement Project WC	Document Identifier	056-4515009/240-73416879	Rev	2	
		Effective Date	20 February 2016			

3.15	Construction Sites	29
3.16	Fire Equipment and maintenance	30
3.17	Flammable and Combustible Liquids.....	30
3.17.1	Refuelling in the construction site.....	31
3.18	First Aid and Equipment.....	31
3.18.1	Boxes and equipment.....	32
3.19	SHE Communication Systems.....	32
3.19.1	Statutory Health and Safety Committees	33
3.19.2	Non-statutory health and safety committees.....	33
3.19.3	Agenda.....	34
3.19.4	Minutes and action items for all health and safety committee meetings	34
3.19.5	Tool box talks / Daily team talks / pre job meetings.....	35
3.20	SHE Training.....	35
3.20.1	Induction training	36
3.20.2	Site specific induction training	36
3.20.3	Visitors to site induction.....	36
3.20.4	General training	37
3.21	Contractor Site Establishment	37
3.21.1	Site roads.....	37
3.21.2	Construction vehicle safety.....	37
3.22	Housekeeping and Order.....	38
3.22.1	Stacking.....	39
3.23	Workplace Signage and Colour Coding.....	39
3.24	Tools and Equipment	40
3.24.1	Hand tools.....	40
3.25	Auditing	41
3.25.1	Approval and compliance of principal contractor SHE plan.....	41
3.25.2	Eskom SHE audits.....	41
3.25.3	Contractor audits	41
3.26	Smoking	41

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No part of this document may be reproduced without the expressed consent of the copyright holder, Eskom Holdings SOC Ltd, Reg No 2002/015527/30.

	SHE SPECIFICATION Smart Grid Enablement Project WC	Document Identifier	056-4515009/240-73416879	Rev	2
		Effective Date	20 February 2016		

3.27 Cellular Phones.....	42
3.28 Occupational Health, Hygiene and Rehabilitation	42
3.28.1 Medicals.....	42
3.29 Risk Assessments.....	42
3.30 Safe Work Procedures and Practices / Safe Operating	43
3.31 Personal Protective Equipment Requirements.....	43
3.32 Working at Heights.....	44
3.32.1 General Requirements	44
3.33 Personal Protective Equipment Requirements.....	45
3.34 Incident Investigation	45
3.35 Emergency Management.....	46
3.36 Non-Conformance and Compliance	46
3.38 SHE File	46
3.39 Work Stoppage	47
3.40 Hours of Work	47
3.40.1 Normal work.....	47
3.40.2 Night work.....	Error! Bookmark not defined.
3.40.3 Overtime	48
3.41 Security on Site	48
3.42 Omissions from Safety and Health Requirements Specification	48
3.43 Contract Sign-Off.....	48

Public

When downloaded from the document management system, this document is uncontrolled and the responsibility rests with the user to ensure it is in line with the authorised version on the system.

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	<p style="text-align: center;">SHE SPECIFICATION Smart Grid Enablement Project WC</p>	Document Identifier	056-4515009/240-73416879	Rev	2	
		Effective Date	20 February 2016			

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. Eskom's SHE specification provides the 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 principal contractor and contractor are expected to develop a SHE plan that meets Eskom's requirements as well as all the relevant applicable legislation they comply with. There is no way for Eskom to assume 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 the principal contractor and its contractors should developed the H&S plan that is appropriate for the work and risks on site.

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

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.

2.1.1 Purpose

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

2.1.2 Applicability

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

2.2 Normative / Informative References

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

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	<p style="text-align: center;">SHE SPECIFICATION Smart Grid Enablement Project WC</p>	Document Identifier	056-4515009/240-73416879	Rev	2	
		Effective Date	20 February 2016			

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. 32-136 Contractor Health and Safety Requirements
7. 240-62196227 Life- saving Rules
8. 32-95 Environmental, Occupational Health and Safety Incident Management Procedure
9. 32-727 SHEQ Policy
10. 32- 418 Working at Heights Procedure
11. 240-62946386 Vehicle and Driver Safety Management Procedure
12. 32-520 Risk Assessment procedure
13. Plant Safety Regulations.

14. 2.2.2 Informative

1. Tobacco Products Control Act 83 of 1993 (Updated 2011.05.19)
2. SANS 1186 Symbolic Safety Signs
3. Constitution of the Republic of South Africa No 108 of 1996
4. DMN 34-110 Operating A Vehicle Mounted Crane
5. DMN 34-1981 Excavations.

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	SHE SPECIFICATION Smart Grid Enablement Project WC	Document Identifier	056-4515009/240-73416879	Rev	2	
		Effective Date	20 February 2016			

2.3 Definitions

Definition	Explanation
Appointed contractor	Means a contractor appointed by the principal contractor
Baseline risk assessment	(32-520) baseline operational risks refer to the health and safety risks associated with all standard processes and routine activities in the business
Business unit (BU)	(32-296) means any defined unit within the Eskom environment, operating as a business under a particular cost-centre number. In the context of this document and in terms of health and safety, any reference to a BU includes a defined unit within any Eskom division and its subsidiaries
Client	(OHS Act) 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.
Competent person	(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)
Contractor	(OHS Act) means an employer as defined in section 1 of the Act who performs contracted work and includes principal contractors
Construction work	Any work in connection with the construction, erection, alteration, renovation, repair, demolition or dismantling of or addition to a building or any similar structure. the construction, erection, maintenance, demolition or dismantling of any bridge, dam, canal, road, railway, runway, sewer or water reticulation system or the moving of earth, clearing of land, the making of excavation, piling or any similar civil engineering structure or type of work.
Consultant	means a person providing professional advice
Controlled disclosure	controlled disclosure to external parties (either enforced by law or discretionary)
Duty of care to the environment	(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
Employee	(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

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	SHE SPECIFICATION Smart Grid Enablement Project WC	Document Identifier	056-4515009/240-73416879	Rev	2
		Effective Date	20 February 2016		

Definition	Explanation
	to receive any remuneration or who works under the direction or supervision of an employer or any other person
Employer	(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)
Environment	(32-94) means: the land, water, and atmosphere of the earth; micro-organisms and plant and animal life; and any part or combination of (a) and (b) and the interrelationships among and between them, and the physical, chemical, aesthetic, and cultural properties and conditions of the foregoing that influence human health and well-being
Environmental Management plan	A detailed plan of action prepared to ensure that recommendations for enhancing or ensuring positive impacts and limiting or preventing negative environmental impacts are implemented during the life-cycle of a project. This Environmental Management Plan should preferably form part of Eskom's Environmental Management System
Eskom requirements	Eskom requirements flowing from directives, policies, standards, procedures, specifications, work instructions, guidelines, or manuals
Fall protection plan	(OHS Act) means a documented plan of all risks relating to working from an elevated position, considering the nature of work undertaken, and setting out the procedures and methods to be applied in order to eliminate the risk
Hazard	(OHS Act) means a source of, or exposure to, danger
Hazard identification	(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
Health and safety file	(OHS Act) means a file or other record in permanent form, containing the information required in relation to the contract.
Health and safety plan	(OHS Act) means a document plan that addresses hazards identified and includes safe work procedures to mitigate, reduce, or control hazards identified
Health and safety specification	(OHS Act) means a document specification of all health and safety requirements pertaining to associated to a contract, so as to ensure the health and safety of persons.
Health and safety requirements	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

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	SHE SPECIFICATION Smart Grid Enablement Project WC	Document Identifier	056-4515009/240-73416879	Rev	2
		Effective Date	20 February 2016		

Definition	Explanation
Lifesaving Rules	(240-62196227) a rule that, if not adhered to, has the potential to cause serious harm to people
Medical Certificate of fitness	(OHS Act) means a certificate valid for one year, issued by an occupational health practitioner, issued in terms of the regulations, whom shall be registered with the Health Professions Council of South Africa
Medical surveillance	(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
Method statement	(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
Organisation	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
Pre-job meetings	(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
Principal contractor	(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.
Provincial director	(OHS Act) means the provincial director as defined in Regulation 1 of the General Administrative Regulations under the Act
Responsible Manager	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
Risk assessment	(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.
Site	(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
Service provider	any private person or legal entity that provides any service(s) to Eskom for compensation
Subsidiary	(32-94) an enterprise controlled by another (called the parent) through the ownership of greater than 50% of its voting stock
Supplier	(32-1034) means a natural or legal person who renders a service and may include the following current or potential supplier vendor, contractor, consultant

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	SHE SPECIFICATION Smart Grid Enablement Project WC	Document Identifier	056-4515009/240-73416879	Rev	2	
		Effective Date	20 February 2016			

Definition	Explanation
Task	(34-227) a segment of work that requires a set of specific and distinct actions for its completion
Toolbox talks	(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.)
The Act	(OHS Act) means the Occupational Health and Safety Act No. 85 of 1993, as amended, and the Regulations thereto
Visitor	any person visiting a workplace with the knowledge of, or under the supervision of, an employer.

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	SHE SPECIFICATION Smart Grid Enablement Project WC	Document Identifier	056-4515009/240-73416879	Rev	2
		Effective Date	20 February 2016		

2.4 Abbreviations

Abbreviation	Description
AIA	Approved Inspection Authority
BU	Business Unit
CE	Chief Executive
CNC	(Eskom) Customer Network Centre
CR	Construction Regulations of the OHS Act
COID Act	Compensation for Occupational Injuries and Diseases Act
DMR	Driven Machinery Regulations
DoL	Department of Labour (Inspection and Enforcement services – Provincial office)
EAP	Employee Assistance Program
EP	Emergency Preparedness
ERfW	Environmental Regulations for Workplaces
GAR	General Administrative Regulations
GSR	General Safety Regulations
HCS	Hazardous Chemical Substances
LDV	Light Delivery Vehicle
LoG	(COID) Letter of Good Standing
MSDS	Material Safety Data Sheets
NEMA	National Environmental Management Act
OHS Act	Occupational Health and Safety Act and Regulations, 85 of 1993
SACPCMP	South African Council for the Project & Construction Management Professions
SABS	South African Bureau Standard
SANS	South African National Standard

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	<p style="text-align: center;">SHE SPECIFICATION Smart Grid Enablement Project WC</p>	Document Identifier	056-4515009/240-73416879	Rev	2	
		Effective Date	20 February 2016			

2.5 Roles and Responsibilities

2.5.1 Commitment

Visible leadership commitment is essential to provide a safe work environment. Managers, supervisors and employees in all levels for an organization must demonstrate their commitment by being proactively involve on day-to-day operations on sites, in particular the Occupational Health and Safety aspects of any project / contract. The Legislation requires that each employee must take reasonable care of themselves and their fellow workers, from management level down to the lowest employee level.

2.5.2 Principal contractors and appointed contractors

Note 1: Most of the roles and responsibilities listed here apply to both principal contractors and any appointed contractors. Where some of the listed roles do not apply to both, then the specific responsibilities will be listed and titled. The contractors shall:

1. Carry out all duties as listed in section 8, 9 and 10, the various other regulations that form part of the OHS Act and Regulation 7 of the Construction Regulations.
2. The principal contractor must notify the provincial director of the Department of Labour in writing of all construction work if it falls within the scope of Regulation 4 of the Construction Regulations (if this has not been arranged and or done by the client/agent);
3. Carry accountability and responsibility for the safety and health of their employees and their appointed contractors within their working area, as contemplated by section 37(2) of the OHS Act;
4. Shall keep a record of all employees including the appointed contractor employees, including date of induction, relevant skills and licenses and be able to produce this list at the request of the Eskom Project Manager;
5. Ensure that all their appointees are made aware of their accountabilities and responsibilities in terms of their appointment and that they advise and assist these appointees in the execution of their duties;
6. Ensure that the minimum legislative, regulatory and Eskom SHE requirements are complied with on all work sites.
7. Give the project, and line managers of Eskom / responsible managers their full participation and cooperation;

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	SHE SPECIFICATION Smart Grid Enablement Project WC	Document Identifier	056-4515009/240-73416879	Rev	2
		Effective Date	20 February 2016		

8. Compile a SHE (health and safety) file where all relevant health and safety records must be kept for each work site;
9. The principal contractor must hand over a consolidated (to include any appointed contractors files) health and safety file to the Eskom project manager on completion of the project. This is to include all drawings, designs, lists of materials used and other applicable information about the completed project, as well as the list of appointed contractors, the agreement, and the type of work completed;
10. Contractors must hand over a consolidated (to include any appointed contractors files) health and safety file to the principal contractor on completion of the project. It includes all drawings, designs, the lists of materials used and other applicable information about the completed project, as well as the list of appointed contractors, agreements and the type of work completed;
11. The principal contractor must provide the project manager with a certified copy of his/her Compensation Commissioner's valid letter of good standing before the commencement of work and any future renewal letters obtained during the project for record-keeping purposes. The letter of good standing shall reflect the name of the contractor's company. Similarly, the principal contractor must provide the Eskom project manager with all the valid letters of good standing from their appointed contractors;
12. Contractors must provide the principal contractor with a certified copy of his / her Compensation Commissioner's valid letter of good standing before the commencement of work, and any future renewal letters obtained during the project for record-keeping purposes. The letter of good standing shall reflect the name of the contractor's company;
13. Appoint competent personnel to perform the project work and ensure that all employees are trained in the health and safety aspects relating to such work and that the employees understand the hazards associated with all other work being carried out on the project;
14. Ensure that all employees are conversant with all relevant work procedures, and they adhere to such procedures. Similarly (without removing the appointed contractors' responsibilities), ensure that their appointed contractors and their employees are conversant with all relevant work procedures and that they adhere to such procedures;

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	<p style="text-align: center;">SHE SPECIFICATION Smart Grid Enablement Project WC</p>	Document Identifier	056-4515009/240-73416879	Rev	2	
		Effective Date	20 February 2016			

15. Co-ordinate the activities of all the appointed contractors in the interests of safety and health;
16. Ensure that potential contractors (whom they intend appointing) submitting tenders have made detailed provision for the cost of safety and health measures throughout the project;
17. Stop his / her employees and any appointed contractors if project work is not in accordance with the health and safety plan or if such work poses a threat to the health and safety of persons or a risk of degradation to the environment;
18. Take reasonable steps to ensure cooperation between all their appointed contractors;
19. Only appoint contractors to do work, if satisfied that the contractor has the necessary competencies and resources to perform the work safely;
20. Appoint full-time competent employees in writing to supervise the performance of all specified work throughout the contract period;

Note 2: No work may commence and or continue without the presence of the appointed project manager or project supervisor during performance of the contracted work;
21. Ensure that a supervisor or manager do not supervise work on any site other than the site for which such supervisor has been appointed for;

Note 3: In determining the number of appointed competent supervisors, the nature and scope of work being performed, shall be taken into consideration;

Note 4: If a sufficient number of competent employee(s) have been appointed to assist the construction supervisor, the construction supervisor may supervise more than one site;
22. Appoint a full or part time safety officer or construction safety officer (registered with SACPCMP) in writing;
23. Not victimise or dismiss employees, by virtue of the employees divulging health and safety information or suspecting such information has been divulged, in the interests of health and safety requirements;
24. Follow a process of disciplinary action if any of their employees or their appointed contractor employees transgressed any of the requirements of the health and safety specification, safety and health plans, site rules or any other requirements;
25. Ensure that all appropriate precautions are taken to protect persons (visitors, members of the public, and other contractors) present at work or in the vicinity of a construction site against all risks that may arise from such site;
26. Before the commencement of any work, conduct risk assessments, which shall include public safety. This should be done by a competent person appointed in writing with a view to identify hazardous and potentially hazardous work operations

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	SHE SPECIFICATION Smart Grid Enablement Project WC	Document Identifier	056-4515009/240-73416879	Rev	2	
		Effective Date	20 February 2016			

27. Ensure that pre-task risk assessments are conducted and documented daily and prior to the starting of any new task, irrespective of whether it is a repetitive task or not;
28. Take prime responsibility for all aspects of environmental management associated with the project activity for which they are responsible;
29. Provide any appointed contractor who is making a bid or is appointed to perform work on Eskom's site, and provide them with the relevant sections of the documented Eskom's SHE Specification;
30. Principal contractors are required to approve appointed contractor's health and safety plans if they meet all the requirements;
31. Must ensure that an organisation medical surveillance programme for the duration of the contract is in place and maintained;
32. Prior to having pre-employment and periodic medicals fitness examinations conducted, person's / man's job specifications must be compiled and handed to the occupational health practitioner;
33. Ensure that pre-employment, periodic and exit medicals are carried out on their employees. Medical assessments must be conducted by a registered Occupational Health Practitioner. During the pre-employment medical, where employees will be required to work in heights, they will also be required to undergo the required employee physical and psychological fitness examinations;
34. Ensure, prior to the commencement of construction work, that all persons involved in the project work, as well as the appointed contractors, they received a health and safety induction training session. Similarly, ensure that all visitors to site undergo the site's induction training;
35. Ensure, prior to the commencement of construction work or contracted work, that all their employees involved in the project work, as well as the appointed contractors, they received task-specific training;
36. Issue risk-based personal protective equipment (PPE) as a measure of last resort to their employees, inspect such equipment regularly and ensure recipients of PPE are trained in the proper use, care and where necessary, the maintenance of PPE;
Note 5: should the principal contractor or his / her appointed contractors entertain visitors on site, they will be held responsible for the provision and wearing PPE;
37. Erect own site camp, temporary buildings, storage areas, toilets, fencing, and any other structure as may be required. Any such structures shall be positioned and erected in compliance with any instructions from the Eskom's project manager and the relevant site safety and fire prevention requirements;
38. On completion of a project, they shall remove all temporarily structures erected by them, and where required by law, they shall rehabilitate the environment;
39. Where performing work in sensitive areas for the environment, they shall ensure that minimal damage is done, and where an Environmental Management Plan is in place, then adhere to the plan;

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	<p style="text-align: center;">SHE SPECIFICATION Smart Grid Enablement Project WC</p>	Document Identifier	056-4515009/240-73416879	Rev	2	
		Effective Date	20 February 2016			

40. Respect the rights of land owners / lessors, and the preservation of their registered activities;
41. Must have a substance abuse program which must be in line with the requirements of the OHS Act;
42. Ensure that no alcohol or other intoxicating substances are brought on to, or remains on the work sites;
43. **Note 6:** Eskom will not tolerate the presence of anyone who is or who appears to be under the influence of alcohol or any other intoxicating substance whilst performing work for them or on any work site;
44. Ensure that all equipment and tools used comply with OHS Act requirements with respect to condition, use, care, storage, maintenance, and the management of these;
45. Ensure that all incidents are reported and investigated timeously by competent incident investigators;
46. Be involved in all of their appointed contractor's investigations;
47. Establish health and safety committees, hold such committee meetings on all sites, and ensure that appointed contractors participate in their health and safety meetings;
48. Chair their own health and safety committee meetings and record such meetings;
49. Appoint the sufficient number of health and safety representatives in terms of the legislative requirements, and ensure that the appointed contractors appoint health and safety representatives for their work sites;
50. When appointing contractors, advise Eskom's project manager in writing timeously, ,and obtain his / her approval prior to them commencing work, and
51. Shall keep a record of all employees including the appointed contractor's employees, including date of induction, relevant skills and licenses and be able to produce this list in request by Eskom's Project Manager.

2.5.3 Construction Manager

Note 1: No work may commence and / or continue without the appointed the construction manager on site. The construction manager shall:

1. Not manage construction work on any construction site other than the site they have been appointed to supervise;
2. Assist the contractor and / or the appointed safety officer in conducting site induction training for new staff and site visitors;
3. Instruct and train all employees under their control on any hazardous and related work procedures, before any work commences and thereafter, at such times as may be determined by a risk assessment;

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	<p style="text-align: center;">SHE SPECIFICATION Smart Grid Enablement Project WC</p>	Document Identifier	056-4515009/240-73416879	Rev	2	
		Effective Date	20 February 2016			

4. Ensure that the minimum legislative and Eskom SHE requirements are complied with on all work sites;
5. Stop any construction work that is not in accordance with the safety and health plan or if such work poses a threat to the safety and health of persons or a risk of degradation to the environment;
6. Ensure that risk-based personal protective equipment (PPE) has been issued and employees wear / use PPE as instructed;
7. Inspect such PPE on a regular basis and record the inspections;
8. Ensure that all incidents are reported to the client and are investigated;
9. Be involved in all investigations that occur within their area of responsibility;
10. Carry out audits and or inspections on their contractors at least monthly and any appointed contractors on instructions of their contractor;
11. Ensure that employees under their control are conversant with all relevant work procedures and that they adhere to such procedures;
12. Before the commencement of any work, where possible, assist in the conducting of risk assessments and ensure that appropriate mitigating measures have been considered and implemented;
13. Ensure that daily or pre-task risk assessments are conducted and documented daily and prior to the starting of any new task, irrespective of whether it is a repetitive task. Ensure that the team are involved in the abovementioned risk assessments;
14. Hold tool box talks at the start of each day / task to discuss health and safety issues as well as confirming the requirements of the daily risk assessments;
15. Ensure that all appropriate precautions are taken to protect persons (visitors, members of the public, and other contractors) present at work or in the vicinity of a construction site against all risks that may arise from such site;
16. Ensure that no alcohol or other intoxicating substances are brought on to, or remains on, the premises / work sites and that no employee remains on site if he/she is under the influence. Furthermore, report such instances to contract management;
17. Ensure that all equipment and tools used on site comply with OHS Act requirements with respect to condition, use, care, storage, maintenance, and the management of these;
18. Ensure that they and their contractor managers give clear and unambiguous instructions for the project work, to the employees for whom they are responsible for;
19. Not victimise their employees by virtue of their employees divulging health and safety information or suspecting such information has been divulged, in the interests of health and safety requirements (reference – section 26 of the OHS Act);
20. Where any work is performed which involves the environment, ensure that minimal damage is done to the environment and that where an Environment Management Plan is in place, then the plan adhere to the plan, and

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	<p style="text-align: center;">SHE SPECIFICATION Smart Grid Enablement Project WC</p>	Document Identifier	056-4515009/240-73416879	Rev	2	
		Effective Date	20 February 2016			

21. Stop any employee or contractor from performing construction work which is not in accordance with the principal contractor's and or appointed contractors health and safety plan which poses a threat to the health and safety of persons.

2.5.4 Construction Work Supervisor

The construction work supervisor shall:

1. Be competent to perform the required supervisory tasks;
2. Ensure that his employees and all appointed contractors comply with the required statutory, and Eskom requirements;
3. Inspect all work done by the Contractors to ensure adherence to Eskom's standards and specifications
4. Conduct follow-up inspections to ensure findings are closed out and preventative action is in place.
5. Monitor contractors for adherence to statutory requirements and the Eskom standards of Eskom;
6. Monitor contractors overall SHE performance on site in order to achieve excellent results;
7. Ensure if a safe working environment is established and maintained by the contractor for the elimination of unsafe acts by all people whilst on the project site;
8. Discuss all SHE related problems with the relevant contractor management timeously in the first instance, and thereafter with the Eskom project manager in the second instance relating to procedure requirements, non-conformance's identified, corrective actions, audits and inspection schedules;
9. Ensuring that quality records are maintained in accordance with legislative and Eskom requirements;
10. Continual liaison between the principal contractor, appointed contractors and employees;
11. Ensures that employees and appointed contractors are aware of latest standards, procedures, work instructions and safety regulations issued by Eskom;
12. Conduct site Inspections for compliance to SHE requirements and compiles the relevant inspection reports;
13. Submit the observation reports to the relevant management;
14. Have meaningful participation in the project statutory health and safety committee meetings.
15. Participate in all appointed contractor incident investigations;
16. Participate in the principal contractors emergency preparedness planning;
17. Ensure that their own employees and those of any appointed contractor are competent to perform the tasks assigned;

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	<p style="text-align: center;">SHE SPECIFICATION Smart Grid Enablement Project WC</p>	Document Identifier	056-4515009/240-73416879	Rev	2	
		Effective Date	20 February 2016			

18. Issue site instructions on behalf of the principal contractor where and when the appointed contractors deviate from safety requirement, and
19. Assist the principal contractor with the handing over process, in particular the SHE file and relevant documentation.

2.5.5 Employees

Employees shall:

1. Be responsible for their own safety and health and that of their co-workers;
2. Co-operate with their employer to meet all of the employer's as well as legislative and Eskom requirements;
3. Familiarise themselves with their responsibilities during induction and awareness training sessions, some of which are:
 - a. familiarise themselves with their workplaces and safety and health procedures;
 - b. work in a manner that does not endanger them or cause harm to others;
 - c. ensure that the work area is kept tidy;
 - d. report all incidents and near misses;
 - e. protect fellow workers against injury by performing job observations;
 - f. report unsafe acts and unsafe conditions;
 - g. report any situation that may become dangerous, and
 - h. carry out lawful orders and obeying safety and health rules.
4. Who become aware of any person disregarding a safety notice, instruction, or regulation, immediately report this to the person concerned. If the person persists, stop that person from working, and report the matter to contractor management and/or Eskom's project manager or supervisor immediately;
5. Not damage, alter, remove, render ineffective, or interfere with anything that has been provided for the protection of the site or for the health and safety of persons this includes any guarding of machinery or equipment;
6. Obey any safety signs and adhere to any site demarcation at all times;
7. When entering or leaving the site, do so via the official designated access/departure routes. Where reflective jackets/bibs are required to be worn, wear them;
8. Be subjected to any disciplinary action, if having transgressed any of the requirements of the health and safety site rules, Eskom requirements, company requirements, or legislative requirements;
9. Avoid any act that may endanger their own health and safety or that of fellow employees, members of the public, or visitors who may be affected by their acts and/or omissions at work;
10. Have the right to obtain proper information from their employer regarding health and safety risks and measures related to the work processes;

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	<p style="text-align: center;">SHE SPECIFICATION Smart Grid Enablement Project WC</p>	Document Identifier	056-4515009/240-73416879	Rev	2	
		Effective Date	20 February 2016			

11. Use facilities placed at their disposal and not misuse anything provided for their own protection or that of others;
12. Have the right to remove themselves from danger when they have good reason to believe that there is an imminent and serious danger to their health and safety and have the duty to inform their supervisor immediately of such danger;
13. Report to their supervisor (in the first instance), the principal contractor (in the second instance), and / or the Eskom project manager, any substandard acts and/or conditions that have come to their attention and that have not been rectified or acted on by their contractor management timeously;
14. Have the right and the duty at any workplace to participate in ensuring healthy and safe working conditions, to the extent of their control, over the equipment and methods of work adopted;
15. Maintain the surrounding area of the work site in a neat and tidy condition;
16. Have meaningful participation in regular health and safety meetings;
17. Have the right to refuse to perform or continue to perform any task/job on the grounds of health, safety, and environmental concerns, and
18. When given instructions, understand the instructions and be permitted to clarify those instructions.

2.5.6 Construction Health and Safety Officer

The construction H&S Officer shall:

1. Promote a SHE culture within the organisations involved in the project / contract;
2. Assist in the control of all health and safety-related matters on the sites;
3. Be involved in the development for the project SHE plan and SHE policy;
4. Be in constant liaison and cooperate with Eskom's SHE professionals responsible for providing them with a health and safety service;
5. Ensure that this SHE specification is adhered to by his/her principal contractor and is submitted to any appointed contractors;
6. Conduct audits and inspections for all work on sites for duration of the project;
7. Be involved in incident investigations on sites when required;
8. Participate in the organisation's statutory and non-statutory health and safety committees meetings;
9. Conduct organisational, site and visitor's induction training;
10. Stop any employee or contractor from performing construction work which is not in accordance with the principal contractor's and / or appointed contractors health and safety plan which poses a threat to the health and safety of persons;

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	SHE SPECIFICATION Smart Grid Enablement Project WC	Document Identifier	056-4515009/240-73416879	Rev	2	
		Effective Date	20 February 2016			

11. Ensure that no alcohol or other intoxicating substances are brought on to, or remains on, the premises / work sites and that no employee remains on site if he / she is under the influence. Furthermore, report such instances to contract management.
12. Make themselves available and ensure co-operation of employees under their control to undergo breathalyser and drug testing while entering and / or being on any Eskom work site by Eskom;
13. Carry out audits and or inspections on their contractors at least monthly and any appointed contractors on instructions of their contractor, and
14. Carry out frequent behaviour observations of employees under their control at least monthly and any appointed contractors on instructions of their contractor.

2.6 Related / Supporting Documents

Eskom OHS Act section 37 (2) agreement to be signed at procurement during the signing of the NEC contract, it is the responsibility of the project manager and construction manager to ensure that the 37(2) agreement is signed, and a copy be kept in the contractor's file at procurement.

3.1 Scope of work: Smart Grid Enablement Project (Smart Metering).

Replace existing basic split meter with smart meter (pole mounted) , Replace existing basic split meter with smart meter (ground mounted) , Replace existing common base meter (ECU) with smart meter, Replace existing common base meter (ED) with smart meter , Replace conventional meter up to 50kVA with smart meter (Din rail) , Replace conventional meter up to 50kVA with smart meter (BS footprint) and New smart meter installations inside pole mounted kiosk , Install bulk load limiting solution kiosk 315-500kVA (LPU -Ground mounted) and Install bulk load limiting solution kiosk 100-200kVA (LPU – Pole mounted).

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 project manager. A copy of all the agreements must form part of the respective contractor's SHE file.

3.2.2 Hazardous work by children (Child Labour)

The constitution for 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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	SHE SPECIFICATION Smart Grid Enablement Project WC	Document Identifier	056-4515009/240-73416879	Rev	2	
		Effective Date	20 February 2016			

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 its 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 principal contractor and all appointed contractors will comply with all the legislation pertaining to this project being:

- Occupational Health and Safety Act 1993 (Act 85 of 1993) and its Regulations.
- The Constitution of the Republic of South Africa (particularly Section 24 of the Bill of Rights).
- National Environmental Management Act 1998 (Act 107 of 1998).
- Environment Conservation Act 1989 (Act 73 of 1989).
- National Water Act 1998 (Act 36 of 1998).
- Civil and Building Work Act.
- National Road Traffic Act 93 of 1996.
- Compensation for Occupational Injuries and Diseases Act.
- SANS Standards –Contractor shall use the relative standards applicable to the project.

3.3 Eskom Requirements

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

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	<p style="text-align: center;">SHE SPECIFICATION Smart Grid Enablement Project WC</p>	Document Identifier	056-4515009/240-73416879	Rev	2	
		Effective Date	20 February 2016			

3.4 Construction Professional Registration

The principal contractor and all his / her appointed contractors shall be registered in their respective levels as professionals in terms of the requirements of the SACPCMP.

The SACPCMP web address is <http://www.sacpcmp.org.za>. SHE professionals (which include Construction Health Safety Officers) are required to register as professionals with the SACPCMP. Construction Managers are required to register as professionals with the SACPCMP. Construction Health and Safety Agents are required to register as a professional with the SACPCMP.

3.5 Notification of Construction Work

Unless otherwise contractually agreed upon, the principal contractor must notify the relevant provincial director of the Department of Labour of the intention of carrying out any construction work as defined in Construction Regulation 4 (2014) of the Act. The notification form of construction work is listed as an annexure to the construction regulations of the OHS Act.

The proof of notification for the construction that was submitted to the DoL shall be forwarded to the Eskom's Project Manager on the same day as sent to the DoL. The proof of notification for the construction work must be kept in the SHE file.

3.6 SHE Policy

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 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 in terms of Section 7 for the OHS Act. The SHE policy must be displayed in a prominent place within the workplace. A copy of the policy must be filed in the contractor's SHE file (s) and attached as an annexure in the SHE Plan.

3.7 COID

The principal contractor and all his / her appointed contractors shall be registered with an appropriate employment compensation commissioner, and the principal contractor and its contractors must have a valid letter of good standing (LoG) from such commissioner. The

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	SHE SPECIFICATION Smart Grid Enablement Project WC	Document Identifier	056-4515009/240-73416879	Rev	2	
		Effective Date	20 February 2016			

obligation lies with the contractors to ensure that the LoG remain valid throughout the contract period. A copy of the LoG must be filed in the contractor SHE files.

3.8 Costing for SHE within the Project

The costing for SHE must be itemised based on the overall scope of the project (i.e.) Training, provision of PPE, safety equipment purchases, etc.

3.9 Statutory 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 the following:

- CEO Sec. 16(1)
- Assistant: CEO 16(2)
- First Aider GSR 3(4)
- SHE Representative Sec. 17(1)
- Chairman for SHE Committee Sec. 19 (3)
- Incident & Accident Investigator GAR 9 (2)
- Principal Contractor CR 5(1)(k)
- Construction Manager CR 8(1)
- Assistant Construction Manager CR 8(2)
- Construction H&S Officer CR 8(5)
- Construction Work Supervisor CR 8(7)
- Risk Assessor CR 9(1)
- Fall Protection Planner CR 10(1)(a)
- Operator: Construction Vehicle & Mobile Plant CR 23(1)
- Stacking & Storage Supervisor CR 28 (a)
- Fire Equipment Inspector CR 29 (h)
- Emergency Planning Coordinator
- Contractor CR 7(1)© if applicable
- Machinery Supervisor GMR 2(1)
- Lifting Machine Operator DMR 18 (11)

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	SHE SPECIFICATION Smart Grid Enablement Project WC	Document Identifier	056-4515009/240-73416879	Rev	2
		Effective Date	20 February 2016		

- Lifting Tackle Inspector DMR 18 (10)
- Assistant: Supervisor of Machinery GMR 2(7) (Assumed)
- Emergency Planning Coordinator
- Govt Notice 479, Department of Employment & Labour COVID-19 Occupational Health and Safety Measures in Workplaces COVID-19 (C19 OHS), 2020 Clause 16 (6)
- Govt Notice 479, Department of Employment and Labour COVID-19 Occupational Health and Safety Measures in Workplaces COVID-19 (C19 OHS), 2020 16(5)

3.9.1 Non-statutory appointments

- Eskom requirement – Emergency Planning Co-coordinator
- Eskom requirement - Chairperson of Health and Safety Committee

3.10 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 premises adopt the same view.
2. Five Life-saving rules have been developed that will apply to all Eskom Employees, agents, designers, 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 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.

The rules are:

RULE	DESCRIPTION OF RULE
Rule 1	OPEN, ISOLATE, TEST, EARTH AND CREATE AN EQUIPOTENTIAL ZONE BEFORE TOUCH (That is plant, any plant operating above 1000 V) Note: The equipotential zone is only applicable for work being done on medium and high voltage apparatus.
Rule 2	HOOK UP AT HEIGHT

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	SHE SPECIFICATION Smart Grid Enablement Project WC	Document Identifier	056-4515009/240-73416879	Rev	2	
		Effective Date	20 February 2016			

	Working at height is defined as any work performed above a stable work surface or where a person puts himself/herself in a position where he/she exposes himself/herself to a fall from or into.
Rule 3	BUCKLE UP No person may drive any vehicle on Eskom business and/or on Eskom premises: Unless the driver and all passengers are wearing seat belts.
Rule 4	BE SOBER No person is allowed to be under the influence of intoxicating liquor or drugs while on duty
Rule 5	ENSURE THAT YOU HAVE A PERMIT TO WORK Where an authorisation limitation exists, no person shall work without the required permit to work. NOTE: In the case of live work, a “Live Work Declaration Form” is to be completed by the authorised person, who is the person responsible for the safe execution of work according to relevant standards and procedures.
Rule 6	ENSURE SAFE LIVE WORKING To ensure safe live work, each live worker shall: a) Ensure all live work basic principles are adhered to, as outlined (for the method being used) in the High Voltage Live Working Standard for the respective division. b) Observe and maintain the minimum approach distance (MAD). c) Only perform live work (never mix live and dead work on the same site at the same time – Refer to ORHVS Section 7 and 5 handouts respectively). d) Perform tasks they are authorised for and only undertake tasks that are documented in the respective Task Manual (TM). Only work on one potential (voltage) at a time.

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	<p style="text-align: center;">SHE SPECIFICATION Smart Grid Enablement Project WC</p>	Document Identifier	056-4515009/240-73416879	Rev	2
		Effective Date	20 February 2016		

Eskom will take a stance of zero tolerance on these rules.

Non-compliance to a Life Saving rule will be considered serious misconduct and will lead to serious disciplinary action, which may include dismissal. This is to ensure that **every person** who works on or visits an Eskom returns **home safely to his or her family**.

Where a contractor employee allegedly violates a Life-Saving Rule, the contractor shall immediately remove the employee from the site and initiate the disciplinary process. The contractor shall investigate any violation of a Life-Saving Rule and initiate the disciplinary process within five (5) working days of the violation. The contractor shall furnish Eskom with a copy of the sanction after the disciplinary process.

3.11 Substance Abuse

1. Alcohol and substance abuse poses a significant threat to any business, more so in industrial incidents and the driving of vehicles.
2. Eskom is therefore, entitled to take reasonable steps to ensure that intoxicated persons are identified and prevented from entering Eskom.
3. General Safety Regulation 2A is clear on the legal stance regarding intoxication.
4. The alcohol and drug permissible level is 0%.
5. 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 will be subjected to ad hoc alcohol testing.
6. Contractors are required 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.
7. Test records must be treated as "Confidential" and filed in the employees' personal file.

3.12 Contractor organisational Structure

3.12.1 Principal Contractor Organogram

The principal contractor must provide an organisational organogram related to this contract, depicting all the levels of responsibility from the CE down to the supervisors responsible for the contract. List the relevant the applicable legal appointments together with names of the appointee. The principal contractor must ensure that all appointed contractors comply with this requirement. The principal contractor is responsible for keeping copies of all the organograms as well as submitting them with the SHE plan. Organogram shall be updated timeously when appointments are changed.

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	<p style="text-align: center;">SHE SPECIFICATION Smart Grid Enablement Project WC</p>	Document Identifier	056-4515009/240-73416879	Rev	2	
		Effective Date	20 February 2016			

3.12.2 Appointed Contractor (s) Organogram

1. Appointed contractors are required to compile their company organogram for the construction project from their CE down to their project supervisors. Contractors must list the applicable legal appointments together with names of the appointee.
2. This organogram structure must be kept up to date, a copy must be filed in the SHE file, and it must be submitted to the principal contractor.
3. Organogram shall be updated timeously when appointments are changed.

3.13 Risk assessment (refer to 32-520)

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 which risks and hazards are attached to the health and safety of persons due 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, and
- 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 and written safe work procedures are effective methods to describe if how activities can be performed safely on site. Daily, issue based (task specific) and continuously risk assessments must be conducted on site to allow managers and employees to assess and discuss the hazards and risks that *can* be exposed on their H&S.

Guidelines for actual steps involved in a job / task specific risk assessment are:

- Each activity is listed;
- Specific hazards are identified and listed against each activity;
- The magnitude of each risk is rated as Low, Medium and / or High;
- All known documentary and supervisory controls are listed. For instance: What safe work procedures exist for ladders;
- The relevance, effectiveness and sufficiency of these controls are assessed;
- In the event of insufficient or deficient controls for the particular activity, steps to be taken to rectify this shall be recorded, and safe working procedures drawn up;

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	<p style="text-align: center;">SHE SPECIFICATION Smart Grid Enablement Project WC</p>	Document Identifier	056-4515009/240-73416879	Rev	2	
		Effective Date	20 February 2016			

- Persons responsible for implementing and supervising the task shall be identified, nominated and duly assigned;
- Persons responsible for monitoring the task and carrying out the planned job observation must be nominated, and
- Completed risk assessment shall be handed to the Eskom project manager representative for comment and approval.

The relevant section of the risk assessment shall be issued with a Transmittal Note to the Supervisor nominated as the responsible person.

The names of workmen who have received instruction on the work content and the sequence of the activities listed in the risk assessment shall be recorded, and their competence established. This instruction shall be done through an interpreter if required and recorded on the Pre-Job Brief (Daily Safe Task Instructions), with reference to applicable Risk Assessments.

3.14 Safe work procedures / method statements

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

- Designing a new job or task;
- Changing a job or task, and
- Introducing new equipment or substances.
- The safe working procedure should identify:
 - The supervisor for the task or job and the employees who will undertake the task;
 - The tasks that are to be undertaken that pose risks;
 - The equipment and substances that are used in these tasks;
 - The control measures that have been built into these tasks;
 - Any training or qualification needed to undertake the task;
 - The personal protective equipment to be worn, and
 - Actions to be undertaken to address safety issues that may arise while undertaking the task.

3.15 Construction Sites

Note1: No area is to be stripped of vegetation to create firebreaks, to prevent or make fires. No open fires are allowed on site. The contractor must ensure that operations are in compliance with statutory requirements at all times.

1. The contractor must develop a **fire safety procedure** for the construction site prior to commencing work.

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	<p style="text-align: center;">SHE SPECIFICATION Smart Grid Enablement Project WC</p>	Document Identifier	056-4515009/240-73416879	Rev	2	
		Effective Date	20 February 2016			

2. The procedure must take into consideration the size of the site; the type of work performed, and the amount of combustible materials. Cognisance of the OHS Act CR 29 must be made.
3. It must be developed in accordance with the hot work permit of the Eskom Plant Safety Regulations, Eskom Fire Risk Management requirements and all other applicable Regulations. All workers entering and working in the construction site need to be trained in fire safety and any duties they are required to perform.
4. A suitable fire warning system to alert site personnel for fire shall be provided, and capable of being heard in all areas of the site.
5. Appropriate portable extinguishers must be available on the construction site, and in cases of hot work, be readily available at the location.
6. The storage of combustible and flammable liquid in the construction site is not permitted unless stored in approved flammable cabinets or outdoors away from the buildings.
7. Site smoking restrictions must be enforced. No open flames are permissible, and where hot work is performed, the work areas must be cleared of any combustibles prior to commencement of work.

3.16 Fire Equipment and maintenance

1. All firefighting equipment's that have been provided shall:
 - Be clearly labelled;
 - Conspicuously numbered;
 - Entered in a register;
 - Inspected monthly by a competent person;
2. Tested and serviced at recommended intervals by an accredited supplier, and
3. Results entered in the register and signed by competent person.

3.17 Flammable and Combustible Liquids

1. Proposals to store fuel on site must have written approval from the Eskom Project Manager. The volumes of fuel allowed to be stored will depend on site conditions and Statutory Regulations.
2. A maximum storage of 40 litres of fuel is allowed to be stored. Anything greater than 40 litres to be stored in a flammable / combustible liquid store.
3. Adequate numbers for the dry chemical fire extinguishers, each with a minimum capacity of 4.5 kg, shall be provided, installed and maintained.
4. All fuel storage areas must comply with the following requirements:
 - a. Storage should be well clear of buildings;

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	<p style="text-align: center;">SHE SPECIFICATION Smart Grid Enablement Project WC</p>	Document Identifier	056-4515009/240-73416879	Rev	2	
		Effective Date	20 February 2016			

- b. Storage areas must be kept free from all combustible materials;
 - c. All Safety signs must be prominently displayed i.e.
 - Flammable Liquid.
 - No Smoking.
 - No open flames, and
 - d. Adequate firefighting equipment must be available.
5. Diesel tanks are to be installed in a bunded area; bunded area must be able to contain 110% of tank capacity.
 6. Bund area shall be of a concrete or steel construction and lined with a leak proof sealing material.
 7. Bund area shall have a drain valve.
 8. No other material/equipment shall be stored in the bunded area.

3.17.1 Refuelling in the construction site

With the exception of construction vehicles and mobile equipment, before a machine is refuelled, the motor must be stopped. Refuelling shall take place at designated safe areas and appropriate warning signs installed. Suitable drip trays must be used to prevent spillage at the filling nozzle.

3.18 First Aid and Equipment

1. Requirements of the OHS Act GSR 3 must be observed.
2. First aid appointments must be made to meet the requirements, this includes construction sites. Appointees must be trained to level 2. It is good practice for all employees to be trained to at least level 1.
3. When appointing employees for work sites, cognisance must be taken into account the type of work performed, the distance teams are working apart and the terrain to be covered if an emergency should arise.
4. A list of emergency numbers must be displayed on the notice boards and made accessible for all employees.
5. Principal Contractor must ensure that his / her employees and appointed contractor employees are familiar with the emergency numbers.
6. Contractors shall have one first aid box for the first 5 persons and thereafter one for every 50 or team of workers on site or part thereof, taking into account the type of work performed and the distance between teams.
7. More first aid boxes shall be provided in accordance with the risk assessment. Boxes must be available and accessible for the immediate treatment of injured persons at the workplace.

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	<p style="text-align: center;">SHE SPECIFICATION Smart Grid Enablement Project WC</p>	Document Identifier	056-4515009/240-73416879	Rev	2	
		Effective Date	20 February 2016			

8. For offices, signs indicating where the first aid box or boxes are kept as well as the name and contact details of the First Aider of such first aid box or boxes shall be erected.
9. The Principal Contractor and appointed contractor shall ensure that alternative arrangements be made for incidents occurring after working hours.

3.18.1 Boxes and equipment

The following is a list of minimum contents of the first aid box: Item 1: Wound cleaner / antiseptic (100ml);

- Item 2: Swabs for cleaning wounds;
- Item 3: Cotton wool for padding (100 g);
- Item 4: Sterile gauze (minimum quantity 10);
- Item 5: 1 Pair of forceps (for splinters).
- Item 6: 1 Pair of scissors (minimum size 100 mm);
- Item 7: 1 Set of safety pins;
- Item 8: 4 Triangular bandages;
- Item 9: 4 Roller bandages (75 mm X 5 m);
- Item 10: 4 Roller bandages (100 mm X 5 m);
- Item 11: 1 Roll of elastic adhesive (25 mm X 3 m);
- Item 12: 1 Non-allergenic adhesive strip (25 mm X 3 m);
- Item 13: 1 Packet of adhesive dressing strips (minimum quantity, 10 assorted sizes);
- Item 14: 4 First aid dressings (75 mm X 100 mm);
- Item 15: 4 First aid dressings (150 mm x 200 mm);
- Item 16: 2 Straight splints;
- Item 17: 2 Pairs large and 2 pairs medium disposable latex gloves, and
- Item 18: 2 CPR mouth pieces or similar devices.

A content check list must be available with all boxes and boxes shall be checked on a regular basis, kept clean and dust free.

3.19 SHE Communication Systems

Principal Contractor(s) and their appointed contractors must develop a **communication strategy** outlining how they intend to communicate SHE issues to their staff, the mediums they will employ and how they will measure the effectiveness of their SHE communication. Below is a brief on how communication should take place. Where project meetings are conducted on site, SHE shall be included as a standing agenda point and minutes of these meetings shall be available on site at all times. Minutes of meeting must be compiled and filed in the relevant SHE files. All employees shall have access to these minutes. Attendance register shall be kept for all the health and safety meetings.

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	<p style="text-align: center;">SHE SPECIFICATION Smart Grid Enablement Project WC</p>	Document Identifier	056-4515009/240-73416879	Rev	2	
		Effective Date	20 February 2016			

3.19.1 Statutory Health and Safety Committees

1. The principal contractor shall establish statutory health and safety committee in terms of Section 19 of the OHS Act, Act. Similarly, appointed contractors shall establish their own statutory health and safety committee.
2. All appointed contractors shall be members of the principal contractor's safety committee.
3. The Committee shall meet to discuss SHE issues concerning the current work being performed, training, upcoming work and SHE requirements, incidents and lessons learned specific SHE problems, safety performance, action plans and other relevant SHE issues. Listed below is a preferred agenda.
4. SHE representatives for a workplace shall be members of the relevant workplace safety committees (Refer to Section 19 (2) (a) of the OHS Act).
5. The number of other persons nominated by employer must not be more than the Health and Safety Representatives on that specific statutory health and safety committee. (Refer to Section 19(2)(c) of the OHS Act)
6. A statutory health and safety committee meeting shall be held at least 3 monthly (where medium to high risk work is involved, more frequent if required), and all appointed members of the committee shall attend the meeting.
7. Statutory health and safety committees may make recommendations to the principal contractor, project manager and Inspector from the DoL.
8. All health and safety committees shall discuss all projects related OHS Act Section 24 and 25 incidents and other notified serious incidents.
9. Health and safety committees shall follow up on incident investigation recommendations and shall keep record of all recommendations made by the committee.
10. Statutory health and safety committees may make recommendations for the revision of current standards, procedures and practices.
11. The principal contractor and appointed contractors shall ensure that statutory and non-statutory health and safety committees carry out their duties.
12. The chairperson of the health and safety committees shall be selected and appointed by the contractor. The appointed chairperson must be competent to chair meetings and be able to make informed decisions.

3.19.2 Non-statutory health and safety committees

1. Where there are large worksites, then non-statutory sub-committee must be established within that worksite to assist with the communication of health and safety related matters between the statutory health and safety committee and the workplace.

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	<p style="text-align: center;">SHE SPECIFICATION Smart Grid Enablement Project WC</p>	Document Identifier	056-4515009/240-73416879	Rev	2	
		Effective Date	20 February 2016			

2. The duties and responsibilities of the non- statutory health and safety committees will be the same as the statutory safety committee.

3.19.3 Agenda

1. The following serves as the guideline for the SHE Committee meeting agenda:
 - List of agenda items;
 - Matters arising from previous minutes;
 - Matters arising from Contractor's SHE meetings;
 - Audit results and feedback, and
 - Review Health and Safety Representative Inspection Reports.
 - Review:
 - Incident investigation reports;
 - Non-Conformances;
 - Announcements (near miss/injury/damage), and
 - Follow up on recommendations made by the employer in incident investigation reports.
 - Accident Prevention – Safety Promotion:
 - Planned Job Observations,
 - SHE Training,
 - Protective clothing and equipment, and
 - Incident Announcements / Recall
 - Non-conformances.
 - Forthcoming High hazard activities.
 - Housekeeping.
 - Work permits.
 - Work procedures.
 - Hazardous materials / substances.
 - Fire Prevention
 - Occupational Hygiene Assessments, Health Risks and Actions
 - Security
 - Construction vehicles and mobile equipment
 - Rules, Instructions
 - Public Safety
 - Environmental Management
 - Emergency Preparedness
 - Statistics report
 - Closure.

3.19.4 Minutes and action items for all health and safety committee meetings

1. Minutes and records of action items shall be kept of all health and safety committee meetings.

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	SHE SPECIFICATION Smart Grid Enablement Project WC	Document Identifier	056-4515009/240-73416879	Rev	2	
		Effective Date	20 February 2016			

2. Action column with target dates and responsible person shall be clearly visible on the minutes and shall be completed during the meeting.
3. Statutory health and safety committee meeting minutes and records of action items shall be kept for the duration of the project or a minimum period of three years.
4. Non–statutory health and safety committee meeting minutes shall be kept for the duration of the project or a minimum period of 12 months.
5. All other meeting minutes where SHE is on the agenda, shall be kept for a minimum period of 12 months.
6. The original copy of the minutes and record of action items must be signed by the chairperson.
7. The relevant project manager and principal contractor shall endorse the relevant minutes with his / her recommendations and return the minutes to the relevant contractor’s chairperson within 14 calendar days of the meeting.

3.19.5 Tool box talks / Daily team talks / pre job meetings

1. A meeting must be held prior to the commencement of the day’s work with all relevant personnel associated with the work task in attendance. The job, relevant procedures, associated hazards, safety measures, i.e. the task risk assessments shall be discussed.
2. Each employee who attends the briefing shall sign an attendance list of that pre-job brief form undertaking that they have an understanding of the tasks, risks and control measures required.
3. Where possible, tool box talks can be included in the pre-job brief meetings. If this does not occur, then weekly tool box talks must be conducted.
4. The toolbox talk topics will be based on SHE issues pertaining to the construction site and or the project. The topic contents shall be in writing. Attendance registers with the topic listed shall be retained in the SHE file.

3.20 SHE Training

1. The principal contractor, when making a bid for this project shall provide a breakdown list of the SHE training requirements and the costing of such requirements.
2. Similarly, appointed contractor must provide the same requirements when bidding with the principal contractor.
3. The scope of training includes but is not limited to the type of work being performed and relevant procedures.

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	<p style="text-align: center;">SHE SPECIFICATION Smart Grid Enablement Project WC</p>	Document Identifier	056-4515009/240-73416879	Rev	2	
		Effective Date	20 February 2016			

4. Additional to the requirements, will be that the principal contractor and appointed contractors must have the appropriate qualifications, certificates, and employees should always be under competent supervision.
5. Where legislative and Eskom recommended appointments are made, the relevant training shall be given to those appointees prior to the acceptance of those appointments.
6. When there is an amendment to the Acts and / or to the regulations, SHE specification and SHE plan, all affected staff shall undergo the applicable refresher training.
7. Appropriate time must be set aside for training (induction and other) of all employees.
8. Records of all training and qualifications of all contractor employees must be kept on the SHE file.

3.20.1 Induction training

1. The principal contractor shall ensure that all his / her employees, appointed contractors and their employees have undergone the Eskom Safety Contractor Management induction training prior to commencing work on site.
2. Attendance registers must be completed of any induction training given, which must indicate that they have received and understood the induction training.
3. All contractor employees will need to be trained on ISO 45001 awareness training and it will form part of the contractor induction training.
4. Prior to attending the induction training, all employees must undergo a pre-employment medical examination and found fit for duty. A copy of the certificate of fitness must be kept in the SHE file on site for the duration of the project.
5. All employees and visitors on site shall carry the proof of induction training.

3.20.2 Site specific induction training

The principal contractor shall ensure that all his / her employees and appointed contractor's employee (s) undergo site specific work induction with regard to the approved project SHE plan, general hazards prevalent on the construction site, construction risk assessment, rules and regulations, and other related aspects. The induction training should also include identification of sensitive features such as wetlands / vleis areas, red data species, graves, etc.

3.20.3 Visitors to site induction

1. Visitors to the site shall be required to undergo and comply with the principal contractor's site-specific safety induction prior to being allowed access to site.

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	SHE SPECIFICATION Smart Grid Enablement Project WC	Document Identifier	056-4515009/240-73416879	Rev	2
		Effective Date	20 February 2016		

2. All visitors must remain in the care and custody of a person (host) who has been properly inducted. No visitors are permitted to undertake any work onsite, of any nature.
3. Visitors who have completed site induction must be provided with a record of proof of Induction training.

3.20.4 General training

The principal contractor will be required to ensure that before an employee commences work on the project, the respective supervisor informs the employee of his scope of authority, the associated hazards and risks with work as well as the control measures to be taken.

This will include man-job specifications, and the discussion of any task procedures or hazardous operational procedures to be performed by the employee. The Principal Contractor is to ensure that the supervisor has satisfied himself that the employee understands the hazards associated with any work to be performed by conducting task/job observations.

3.21 Contractor Site Establishment

1. Principal contractor's site facilities should be managed at all times.
2. Prior to establishing a project site, a site plan is required to be drawn listing position of all buildings, amenities, storage and stacking areas. The appropriate colour coding and demarcation of storage and stacking areas must be carried out.
3. Where, working in the field and material is stored at the work sites, then proper stacking and storage shall be carried out.
4. When compiling the site plan, cognisance must be taken to the establishment of the site camp, ablution facilities and dining area in relation to one another and away from stacking and storage areas.

3.21.1 Site roads

1. During the planning for site layout, sufficient areas must be allocated for parking of construction vehicles and mobile equipment's as well as roadways for ease of manoeuvrability of these vehicles.
2. Sufficient width roads to be provided and adequate space is to be allowed for large vehicles traversing the sites.

3.21.2 Construction vehicle safety

1. It is the responsibility of the driver to ensure:

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	SHE SPECIFICATION Smart Grid Enablement Project WC	Document Identifier	056-4515009/240-73416879	Rev	2	
		Effective Date	20 February 2016			

- a. Their passengers wear seat belts whilst the vehicle is in motion;
 - b. Comply with all traffic road rules, safety, direction and speed signs;
 - c. Ensure that vehicle loads are properly secured prior to moving off, and
 - d. Ensure that vehicles are not overloaded.
2. No drivers or operators may text, talk on cell phones or two way radios whilst driving, unless a hands free kit is used.
 3. All drivers of construction vehicles are to have valid medical fitness certificates.
 4. Each Project site that is enclosed by demarcation will have system/ process to manage vehicle access to site.
 5. Contractor must maintain their vehicles in a roadworthy condition and a vehicle license must be valid at all times.
 6. Drivers of light vehicles must avoid stopping or parking in the vicinity of machines. At least 30 (thirty) meters must be left clear between such a vehicle and such a machine.
 7. Contractor vehicles can be subject to inspections by the Client / Agent's representative. Vehicles which are not roadworthy will not be permitted to be used on the project.
 8. Drivers /operators shall be responsible for the travel-worthiness of all loads conveyed by them. Precautions shall be taken to secure all loads properly. Loads projecting from vehicles shall be securely loaded and in daytime a red flag and during darkness a red light or red reflective material shall be attached to the extreme end of such projecting material.

3.22 Housekeeping and Order

1. All contractors shall maintain the high standard of housekeeping within their sites and vehicles for the duration of the project.
2. Prompt disposal of waste materials, scrap and rubbish is essential.
3. Materials/objects shall not be left unsecured in elevated areas –falling objects may cause serious injuries / fatalities.
4. Nails protruding through timber shall be bent over or removed so as not to cause injury.
5. All packaging material including boxes, pallets, crates, etc. to be removed from the work area immediately.
6. On completion of his / her work, the contractor is responsible for clearing his / her work area of all materials, scrap, temporary buildings and building bases to the satisfaction of the client / agent.
7. In cases where an inadequate standard of housekeeping has developed, compromising safety and cleanliness, anyone has the responsibility to bring it to the attention of the principal contractor in the first instance and the Eskom project/site manager in the second instance.

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	SHE SPECIFICATION Smart Grid Enablement Project WC	Document Identifier	056-4515009/240-73416879	Rev	2
		Effective Date	20 February 2016		

8. The Eskom Project / site Manager has the right to instruct the principal contractor and appointed contractors to cease work until the area has been tidied up and made safe. Neither additional costs nor extension of time to the contract shall be allowed as a result of such a stoppage. Failure to comply with this requirement will result into site cleaning by another cleaning contractor company at the cost of the principal contractor.
9. The principal contractor shall carry out regular safety/housekeeping inspections (at least weekly) to ensure maintenance of satisfactory standards. The principal contractor shall document the results of each inspection and shall maintain records for viewing.

3.22.1 Stacking

1. Before stacking any material, the contractors or their employees must consult the contract manager for authorisation to use such an area for stacking purposes. This is to prevent haphazard arrangements.
2. Adequate care must be taken by the contractor to ensure that storage and stacking is carried out correctly and safely.
3. Correct shelving stacking must be carried out, heavy and bulky on the bottom, light and small on top.

3.23 Workplace Signage and Colour Coding

1. Symbolic safety signage shall be displayed where it is required by legislation.
2. All symbolic safety signage shall conform to the requirements of SANS standard 1186.
3. Signs shall be positioned to be seen from the most of positions within the work sites / areas.
4. All signage must be clear at all times and be replaced timeously when worn out.
5. Contractors establishing sites must erect a company sign at their site offices to reflect the name and contact details of the: Construction Supervisor; Health and Safety Manager / Practitioner; First Aider; Health and Safety Representative, and Evacuation warden.
6. The location of every first aid box, fire extinguisher and emergency exit is to be clearly indicated by means of a sign.
7. When using an explosive power tool the appropriate signage shall be erected, warning people of its use.
8. Contractors shall provide signage where work is conducted and where unauthorised entry is prohibited and / or where alerting and cautioning passers-by to be aware of potential dangers.
9. The meanings of the appropriate symbolic signage must be discussed during induction training and toolbox talks.
10. Where possible, within workshops, work areas and established premises, the appropriate sign indicating the meaning of symbolic safety signs must be displayed.

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	<p style="text-align: center;">SHE SPECIFICATION Smart Grid Enablement Project WC</p>	Document Identifier	056-4515009/240-73416879	Rev	2	
		Effective Date	20 February 2016			

3.24 Tools and Equipment

1. Contractors shall ensure that all tools and equipment are identified, safe to be used and is maintained in a good condition.
2. Contractors shall ensure that all tools and equipment are listed on an inventory list, and they shall be regularly inspected at least monthly or as required by legislation and risk assessments. The equipment should be numbered or tagged so that it can be properly monitored and inspected.
3. Where applicable, tools and equipment must have the necessary approved test or calibration documentation prior to being brought onto the project and the records shall form part of the SHE plan. Maintenance calibration shall be undertaken in terms of the manufacturer's requirements.
4. All fuel driven equipment must be properly maintained in accordance with the manufacturer's recommendations and legal requirements.
5. Eskom reserves the right to inspect tools or the items of equipment brought to site by contractors for use on this project.
6. Should Eskom personnel find any item that is inadequate, faulty and unsafe, and / or in any other way unsuitable for the safe and satisfactory execution of the work for which it is intended, the Eskom personnel shall advise the contractor in writing and the contractor shall forthwith remove the item from site and replace it with a safe and adequate substitute.
Note: In such cases, the contractor shall not be entitled to extra payments or extensions of time in respect of delay caused by Eskom's instructions.
7. Where defective tools and equipment's are identified, such tools and equipment shall be removed out of site immediately, locked away to prevent further use until such time as the tool or piece of equipment has been repaired.
8. Contractors shall ensure that the appropriate records are kept for all tools and equipment used on the project. Such tools and equipment shall be subjected to regular inspections.

3.24.1 Hand tools

1. All hand tools (hammers, chisels, spanners, etc.) must be recorded on a register and inspected by the construction supervisor on a monthly basis as well as by users prior to use.
2. Tools with sharp points in tool boxes must be protected with a cover.
3. All files and similar tools must be fitted with handles.
4. No make shift tools are permissible on the project.

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	<p style="text-align: center;">SHE SPECIFICATION Smart Grid Enablement Project WC</p>	Document Identifier	056-4515009/240-73416879	Rev	2	
		Effective Date	20 February 2016			

3.25 Auditing

3.25.1 Approval and compliance of principal contractor SHE plan

The Contractor's SHE Plan will be audited to check compliance with all the applicable legislation and conformance with Eskom standards and procedures.

Once there is the principal contractor's SHE plan meet all the required requirements will be approved by the project manager or an appointed Eskom contract custodian. The implementation for the SHE Plan shall be assessed / audited by Eskom personnel on a regular basis. This will include physical conditions evaluation.

3.25.2 Eskom SHE audits

Eskom shall evaluate regularly all contractors' SHE performance for the legal and Eskom requirements, SHE specification and the contractors SHE plans.

Note: Eskom reserves the right to conduct unannounced audits on contractors. There will be monthly audits conducted by Eskom on the principal contractors and / or appointed contractors. These audits shall be attended by the contractor's site manager or his representative. If there are any findings / non-compliance identified as serious in these audits, an activity will be stopped for that specific Principal Contractor and appointed contractor. Refer to section on "Work Stoppage" in this SHE Specification.

3.25.3 Contractor audits

Principal Contractors are required to conduct monthly internal audits on both their employees and appointed contractors on the implementation of their SHE Plan or when the scope of work changes.

A summary of the findings and the proposed corrective actions shall be submitted to Eskom project manager within one week after completion of the audit. Where appointed contractors are audited by the principal contractor, a copy of the audit report shall be submitted to the appointed contractor within 7 days of the audit.

3.26 Smoking

The national smoking policy must be observed and smoking is permitted in designated areas only (Eskom Smoking Procedure 32-36).

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	<p style="text-align: center;">SHE SPECIFICATION Smart Grid Enablement Project WC</p>	Document Identifier	056-4515009/240-73416879	Rev	2	
		Effective Date	20 February 2016			

3.27 Cellular Phones

The national requirements regarding the use of cellular phones must be observed, in particular when driving and / or operating mobile equipment and or machinery.

3.28 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.

3.28.1 Medicals

Note: Eskom will only accept medical certificate of fitness that are conducted by an Occupational Health Practitioner who holds a qualification in occupational health.

1. Principal contractors must ensure that their employees and their appointed contractor employees 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 man job specification, which must indicate the description of work, list of hazards and potential occupational exposure limits, physical hazards and required physical attributes.
3. Medical fitness certificates shall be renewed annually for employees who are working on site. This shall be maintained until completion of the contract.
4. The Principal Contractor must ensure that his / her employees and appointed contractor employees have undergone pre-entry medical examination before starting work on the contract.
5. The principal contractor shall provide a documented process for managing those employees who are issued with a conditional certificate of fitness.

3.29 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 which hazards and risks are attached to the health and safety of persons due to any work which is performed, and any article or substance which is, handled, stored and 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, and

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	<p style="text-align: center;">SHE SPECIFICATION Smart Grid Enablement Project WC</p>	Document Identifier	056-4515009/240-73416879	Rev	2	
		Effective Date	20 February 2016			

- 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 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 and written safe work procedures are effective methods as information and record of the way jobs / tasks must be performed. Daily or issue based or task specific or on the job risk assessments must be conducted at the place where work is to be performed / conducted 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. For example if a job / task is extended over a day or halted due to inclement weather.

3.30 Safe Work Procedures and Practices / Safe Operating

There must be written safe work procedures for all activities, the safe work procedures must be aligned with the risk assessments.

3.31 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 the required PPE, 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.

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	<p style="text-align: center;">SHE SPECIFICATION Smart Grid Enablement Project WC</p>	Document Identifier	056-4515009/240-73416879	Rev	2	
		Effective Date	20 February 2016			

3.32 Working at Heights

3.32.1 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 and in place by a competent person;
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;
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, and
9. A site-specific risk assessment is performed.
10. All work at heights competencies/certificates /training must be aligned with SAQA unit's standard and such information must be verifiable during the audit or SHE file evaluation.
11. All FAS and Rescue at heights equipment must be tested and approved by SABS , and test reports must be made available to the client as when required , failure to furnish SABS test reports the client reserves the right to issue a prohibition notice.
12. All employees working at heights must be competent and trained in relation to required unit standard including the FAS inspector.

While work is in progress, adequate warning signs and 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.

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	<p style="text-align: center;">SHE SPECIFICATION Smart Grid Enablement Project WC</p>	Document Identifier	056-4515009/240-73416879	Rev	2	
		Effective Date	20 February 2016			

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.

3.33 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 the required PPE, 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.

3.34 Incident Investigation

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

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, should not only be a legal requirement, but should establish why and how the incident occurred and find out the real root cause of the incident and to decide on precautionary measures that are required to address the root cause to prevent any further recurrences of the same or similar incidents.

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	<p style="text-align: center;">SHE SPECIFICATION Smart Grid Enablement Project WC</p>	Document Identifier	056-4515009/240-73416879	Rev	2	
		Effective Date	20 February 2016			

3.35 Emergency Management

The art of emergency preparedness response is to minimise the effects of any emergency and to restore normal activities as soon as practical. The contractor must familiarise themselves with the Eskom emergency response plan and procedure. Periodic emergency drills must be undertaken to test the effectiveness of the plan.

This must be recorded and provided on request.

3.36 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. Contractor’s construction management must monitor the close out non-conformances issued and any recommendations that may not be 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 by the responsible project manager to explain the non-conformance issued and what plan is in place to prevent a recurrence of the non-conformance.
6. Should the contractor fail to provide adequate PPE to their employees for the tasks being performed and / or to visitors, failure to enforce the wearing of such PPE will be viewed as a transgression of the legislative and Eskom requirements.

3.37 SHE File

1. A SHE file means a file or other record in permanent form, containing the information about the safety and health management system during construction and all information relating to the post-construction phase after handover to the client, so that the client can maintain the works in a healthy and safe way.
2. All contractors are required to keep a SHE file on every project site. If there is more than one site per project, a file per site shall be kept at that site. Contractors may keep additional files at their head office as additional records. The SHE file shall be maintained by all the contractors on their construction sites, and it shall be available on request for audit and inspection purposes.

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	<p style="text-align: center;">SHE SPECIFICATION Smart Grid Enablement Project WC</p>	Document Identifier	056-4515009/240-73416879	Rev	2	
		Effective Date	20 February 2016			

3. The SHE file shall consist of the requirements in terms of the project's safety specification and the contractor's safety and health plans.
4. The sequence of filing the documentation must be kept in the same sequence as listed in this SHE specification and the SHE plan.
5. Each record shall be separated by partitions to afford easy identification and access. Each partition must be labelled.
6. On completion of the construction work / project, the principal contractor must hand over a consolidated health and safety file to the project manager. The principal contractor must also hand over all drawings, designs, lists of materials used, and other applicable information about the completed structure, as well as the list of subcontractors, the agreement, and the type of work completed.
7. In case where the project is extended, should the documentation in the SHE files become cumbersome, the older documentation must be archived in boxes which shall be correctly labelled and be available for auditing purposes. The archived documentation must be handed over at the completion of the project.

3.38 Work Stoppage

1. Any person may stop any activity where there's unsafe act or unsafe condition that poses or may pose an imminent threat to the safety and health of an individual or create a risk of degradation of the environment.
2. This includes any unauthorised work or service performed by, or legally or contractually non-compliant acts or omissions by, any contractor contracted to work at that site.
3. Work stoppages that are initiated due to SHE concerns, non-compliance, or poor performance related to the contractor's works or services shall not warrant any financial compensation claim lodged against Eskom where the contractor has not met the requirements defined legally or contractually.
4. Where stoppages are carried out, the required non-conformance report shall be raised.
5. All work stoppages ideally should be investigated and documented by contract custodians.

3.39 Hours of Work

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.

3.40.1 Normal work

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	<p style="text-align: center;">SHE SPECIFICATION Smart Grid Enablement Project WC</p>	Document Identifier	056-4515009/240-73416879	Rev	2	
		Effective Date	20 February 2016			

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 for any work that needs to be performed after hours according to the agreed arrangements, and 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.

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.

3.40.3 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 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.

3.41 Security on Site

Contractors must ensure that where Security is warranted on the construction site, that the appointed Security contractor has been approved by the Eskom Security department prior commencement of any work on site.

3.42 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.

3.43 Contract Sign-Off

On completion of the project, all appointed contractors shall close out their project documentation; SHE files and forward such to the principal contractor. The principal contractor shall likewise close out and forward his / her project documentation and SHE files to the Eskom project manager.

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