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Environmental Management Plan (EMP) MTC Sites across Namibia

Phase 2 Scoping Assessment APP-002630

Oshana Region
1 June 2021



Mobile Telecommunications Limited (MTC)

GCS Project Number: 21-0279

Client Reference: EMP Oshana Region



GCS (Pty) Ltd. Reg No: 2006/717 Est.2008

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Director: AC Johnstone

Environmental Management Plan (EMP) for

MTC Namibia 100% Population Coverage across the Country

Oshana Region



21-0279

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1 PROJECT BACKGROUND

Mobile Telecommunications Ltd (MTC) applied for an Environmental Clearance Certificate (ECC) for the proposed installation of MTC Telecommunication Antennae for the 100% Coverage Project in 2017. The Environmental Assessment (EA) for the proposed development was conducted by GCS Water and Environmental Engineering Namibia (Pty) Ltd (GCS) in 2017. Following the submission of the final Environmental Scoping Report, the ECCs for each region was granted as per letter dated 09 March 2018. In accordance with the Environmental Management Act No 7 of 2007 and the Environmental Impact Assessment Regulations of 2012 the ECC is only valid for three years and as such the ECC expired in March 2021. MTC has thus appointed GCS to apply on their behalf to the Ministry of Environment, Forestry and Tourism (MEFT) for the renewal of the ECC.

Construction has commenced and has been completed on some of the sites, whilst other sites are yet to be constructed. Below is a summary of the status of the sites:

- 133 sites have been completed under Phase 1
- 110 sites have commenced construction under Phase 2
- 70 sites have been commissioned and are on air under Phase 2

As part of their environmental obligation, and as stipulated in their ECC and requirements of the Environmental Management Plans (EMPs) for each region, MTC is required to conduct Environmental Compliance Audits at their tower sites. EMP Compliance Audits have been conducted for the MTC tower construction and operations and have been submitted to MEFT for review and auditing during 2019 and 2020. MTC submitted the Scoping Assessment forms as part of the audits conducted to date (See Addendum 1 for template) to the DEA.

The EA was conducted at a national level for all sites proposed to be erected (Error! Reference source not found.) however, in order to ensure the effective management of sites on a regional level, sites have been split regionally and the information associated with the sites in the Oshana Region is provided in **Figure 1-2** and **Table 1-1** below.

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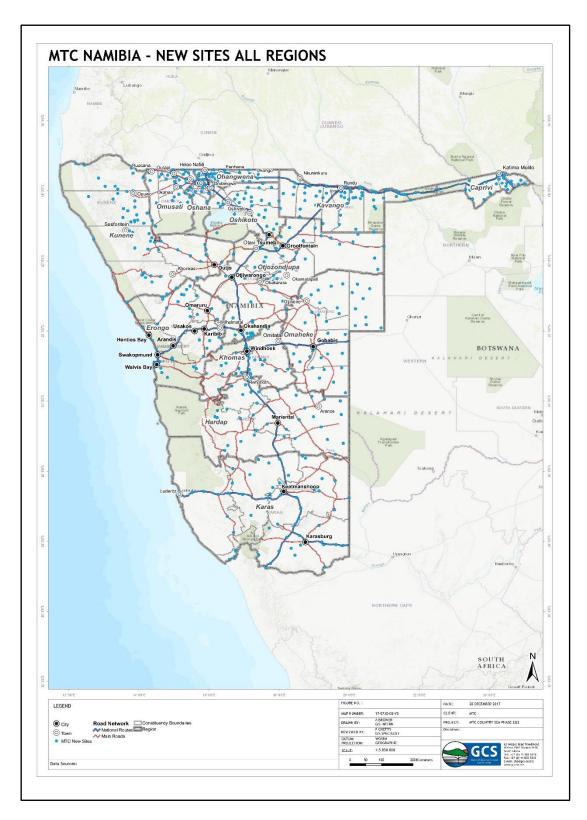


Figure 1-1: Location of Sites across all Regions of Namibia

Table 1-1: Site specific information for the Oshana Region.

Site_Name	Region	Tower_Height	Powerlines	Assessment
Ashitenga	OSHANA	48	Within 10km	Scoping
ONDW9	OSHANA	25	Within 10km	Scoping
ONDW10 (WT)	OSHANA	Existing 21	Within 10km	Scoping
Eendjati (Okapya growth centre)	OSHANA	48	Outside 10 km	Scoping
Omagongati	OSHANA	48	Within 10km	Scoping
ONDW11	OSHANA	25	Within 10km	Scoping
ONDW WT	OSHANA	Existing 25	Within 10km	Scoping
Omushimane	OSHANA	48	Within 10km	Scoping
Omege	OSHANA	48	Within 10km	Scoping
Ohakwenyanga (Oshiko Surburb)	OSHANA	48	Within 10km	Scoping
Uukwangula WT	OSHANA	Existing 21	Within 10km	Scoping
Onaayamba (Onamutayi_South)	OSHANA	48	Within 10km	Scoping
SkySouth	OSHANA	25	Within 10km	Scoping
Ongwediva_TN (Added)	OSHANA	Existing 25	Within 10km	Scoping
Ongwediva_North WT	OSHANA	Existing 25	Within 10km	Scoping
Omatando	OSHANA	25	Within 10km	Scoping

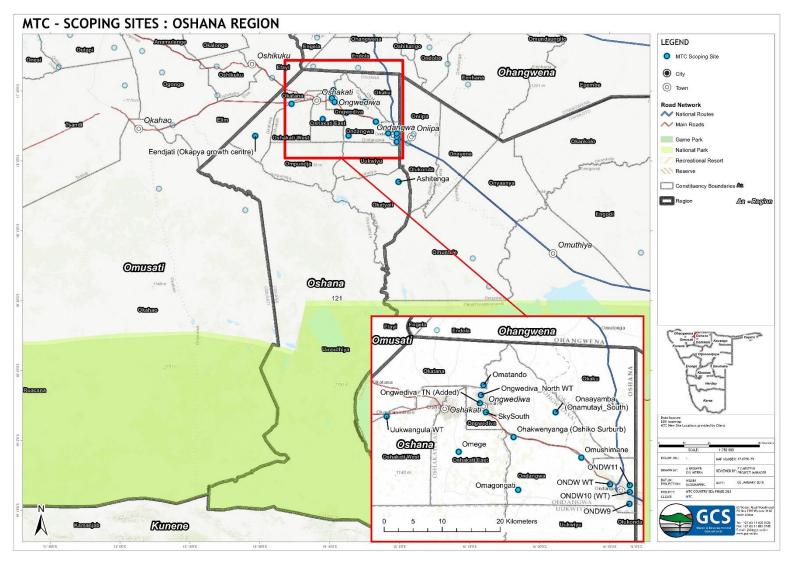


Figure 1-2: Proposed Scoping Assessment Level sites in the Oshana Region.

2 ENVIRONMENTAL MANAGEMENT PLAN

An 'Environmental Management Plan' or EMP is defined as:

"...a plan that describes how activities that may have significant environments effects on the environment are to be mitigated, controlled and monitored."

In accordance with the Namibian EIA Regulations, the Draft EMP includes the following:

"(aa) information on any proposed management, mitigation, protection or remedial measures to be undertaken to address the effects on the environment that have been identified including objectives in respect of the rehabilitation of the environment and closure;

(bb) as far as is reasonably practicable, measures to rehabilitate the environment affected by the undertaking of the activity or specified activity to its natural or predetermined state or to a land use which conforms to the generally accepted principle of sustainable development; and

(cc) a description of the manner in which the applicant intends to modify, remedy, control or stop any action, activity or process which causes pollution or environmental degradation remedy the cause of pollution or degradation and migration of pollutants."

An EMP is one of the most important outputs of the EA process as it synthesises all of the proposed mitigation and monitoring actions, set to a timeline and with specific assigned responsibilities. It provides a link between the impacts identified in the EA Process and the required environmental management on the ground during project implementation and operation.

The purpose of this document is therefore to guide the environmental management process by laying out management actions for the proposed MTC network structures identified as "low risk" during the Environmental Scoping phase. While the Phase 2: Scoping report covers all 14 Regions of Namibia, the Management of the sites have been divided regionally to aid administration by the authorities at a regional level. *This Particular EMP covers the low risk sites in the Oshana Region (Figure 1-2)*.

In line with the recommendations provided in the "EMP Checklist for Construction and Rehabilitation Activities" that was developed by the World Bank for "low risk topologies" in the public services sector (amongst others), this management plan has been developed to cover typical core mitigation approaches to civil works contracts with small, localized impacts, while meeting World Bank Environmental Assessment requirements under Operational Policy (OP) 4.01.

The EMP consist of three main parts, namely:

• Part 1 that includes a descriptive part that characterizes the project and specifies in terms the institutional and legislative aspects and the technical project content.

- Part 2 includes an environmental and social screening checklist.
- Part 3 represents the monitoring plan for activities during project construction and implementation.

It is important to note that an EMP is a legally binding document and a person who contravenes the provisions of this EMP may face imprisonment and/or a fine. The EMP is a living document and should be amended to adapt to address project changes and/or environmental conditions and feedback from compliance monitoring.

2.1 Environmental Assessment Practitioner (EAP)

GCS Water Environmental Engineering Namibia (Pty) Ltd ("GCS" hereafter) has been appointed to apply for the Environmental Clearance Certificate (ECC) Renewal for the proposed sites in the Oshana Region. The process includes updating the EMP for the proposed development. The EMP will be used by MTC Namibia, their Engineers and Contractors in guiding them during the construction, operation and maintenance of the proposed network sites/towers to ensure that the impacts on the environment (physical and social) are limited or avoided altogether, and at the same time maximizing the positive impacts.

Stephanie Strauss, a qualified and experienced Environmental Assessment Practitioner (EAP) with the assistance of Gerda Bothma, (Senior Environmental Scientist) updated this EMP (see Addendum 2 for CV's).

3 PART 1: LEGISLATIVE REQUIREMENTS AND INSTITUTIONAL ROLES AND RESPONSIBILITIES

3.1 Legal Requirements

A full description of the legal requirements associated with the proposed project is provided in the Scoping Assessment Report. What follows below is a description of the international requirements of International Finance Corporation (IFC) and a summary of the main legislative requirements under Namibian law (Table 3-1).

3.1.1 International Finance Corporation (IFC) Performance Standards

Although the proposed MTC transmissions sites are not funded by the International Finance Corporation (IFC), the Corporation's policy and Performance Standards can be implemented in this proposed development to ensure environmental and social sustainability.

The Policy on Environmental and Social Sustainability describes IFC's commitments, roles, and responsibilities related to environmental and social sustainability. The Performance Standards are directed towards clients, providing guidance on how to identify risks and impacts, and are designed to help avoid, mitigate, and manage risks and impacts as a way of doing business in a sustainable way, including stakeholder engagement and disclosure obligations of the client in relation to project-level activities. The Performance Standards may also be applied by other financial institutions (GCS Water & Environmental Consultants, 2015).

There are eight (8) Performance Standards (Performance Standards on Environmental and Social Sustainability: January 1, 2012) that MTC Namibia can apply throughout the life of the development. These Standards are briefly described below.

Performance Standard 1: Environmental and Social Assessment and Management System

MTC Namibia, in coordination with other responsible government agencies and third parties as appropriate, will conduct a process of environmental and social assessment, and establish and maintain an ESMS appropriate to the nature and scale of the project and commensurate with the level of its environmental and social risks and impacts. The ESMS will incorporate the following elements:

- i. Policy;
- ii. Identification of risks and impacts;
- iii. Management programs;
- iv. Organisational capacity and competency;
- v. Emergency preparedness and response;
- vi. Stakeholder engagement; and
- vii. Monitoring and review.

Performance Standard 2: Labour and Working Conditions

Performance Standard 2 recognises that the pursuit of economic growth through employment creation and income generation should be accompanied by protection of the fundamental rights of workers. The requirements set out in this Performance Standard have been in part guided by a number of international conventions and instruments, including those of the International Labour Organization (ILO) and the United Nations (UN). The core client requirements set out in this Standard involve:

- i. Working conditions and management of worker relationship;
- ii. Protecting the workforce;

- iii. Occupational health and safety;
- iv. Workers engaged by third parties; and
- v. Supply chain.

Performance Standard 3: Resource Efficiency and Pollution Prevention

During the project life-cycle, MTC will consider ambient conditions and apply technically and financially feasible resource efficiency and pollution prevention principles and techniques that are best suited to avoid, or where avoidance is not possible, minimise adverse impacts on human health and the environment. The principles and techniques applied during the project life-cycle will be tailored to the hazards and risks associated with the nature of the project and consistent with good international industry practice (GIIP), as reflected in various internationally recognised sources, including the World Bank Group Environmental, Health and Safety Guidelines (EHS Guidelines).

Performance Standard 4: Resource Community Health, Safety, and Security

Various project activities, equipment, and infrastructure can increase community exposure to risks and impacts. In addition, communities that are already subjected to impacts from climate change may also experience an acceleration and/or intensification of impacts due to project activities. While acknowledging the public authorities' role in promoting the health, safety, and security of the public, this Performance Standard addresses the Proponent's responsibility to avoid or minimise the risks and impacts to community health, safety, and security that may arise from project related-activities, with particular attention to vulnerable groups. The objectives of this Standard are:

- To anticipate and avoid adverse impacts on the health and safety of the Affected Community during the project life from both routine and non-routine circumstances
- ii. To ensure that the safeguarding of personnel and property is carried out in accordance with relevant human rights principles and in a manner that avoids or minimizes risks to the Affected Communities.

Performance Standard 5: Land Acquisition and Involuntary Resettlement

Performance Standard 5 recognises that project-related land acquisition and restrictions on land use can have adverse impacts on communities and persons that use this land. Involuntary resettlement refers both to physical displacement (relocation or loss of shelter) and to economic displacement (loss of assets or access to assets that leads to loss of income sources or other means of livelihood) as a result of project-related land acquisition and/or restrictions on land use. Resettlement is considered involuntary when affected persons or communities

do not have the right to refuse land acquisition or restrictions on land use that result in physical or economic displacement. Unless properly managed, involuntary resettlement may result in long-term hardship and impoverishment for the Affected Communities and persons, as well as environmental damage and adverse socio-economic impacts in areas to which they have been displaced. In this regard, the following objectives are defined:

- i. To avoid, and when avoidance is not possible, minimise displacement by exploring alternative project designs.
- ii. To avoid forced eviction.
- iii. To anticipate and avoid, or where avoidance is not possible, minimise adverse social and economic impacts from land acquisition or restrictions on land use by (i) providing compensation for loss of assets at replacement cost and (ii) ensuring that resettlement activities are implemented with appropriate disclosure of information, consultation, and the informed participation of those affected.
- iv. To improve, or restore, the livelihoods and standards of living of displaced persons.
- v. To improve living conditions among physically displaced persons through the provision of adequate housing with security of tenure at resettlement sites.

<u>Performance Standard 6: Biodiversity Conservation and Sustainable Management of Living Natural Resources</u>

Performance Standard 6 recognises that protecting and conserving biodiversity, maintaining ecosystem services, and sustainably managing living natural resources are fundamental to sustainable development. The requirements set out in this Performance Standard have been guided by the Convention on Biological Diversity, which defines biodiversity as "the variability among living organisms from all sources including, inter alia, terrestrial, marine and other aquatic ecosystems and the ecological complexes of which they are a part; this includes diversity within species, between species, and of ecosystems." Ecosystem services are the benefits that people, including businesses, derive from ecosystems. Ecosystem services are organised into four types: (i) provisioning services, which are the products people obtain from ecosystems; (ii) regulating services, which are the benefits people obtain from the regulation of ecosystem processes; (iii) cultural services, which are the nonmaterial benefits people obtain from ecosystems; and (iv) supporting services, which are the natural processes that This Performance Standard addresses how clients can maintain the other services. sustainably manage and mitigate impacts on biodiversity and ecosystem services throughout the project's lifecycle in light of the following objectives:

- i. To protect and conserve biodiversity.
- ii. To maintain the benefits from ecosystem services.

iii. To promote the sustainable management of living natural resources through the adoption of practices that integrate conservation needs and development priorities.

Performance Standard 7: Indigenous Peoples

Performance Standard 7 recognises that Indigenous Peoples, as social groups with identities that are distinct from mainstream groups in national societies, are often among the most marginalised and vulnerable segments of the population. In many cases, their economic, social, and legal status limits their capacity to defend their rights to, and interests in, lands and natural and cultural resources, and may restrict their ability to participate in and benefit from development. Indigenous Peoples are particularly vulnerable if their lands and resources are transformed, encroached upon, or significantly degraded. Their languages, cultures, religions, spiritual beliefs, and institutions may also come under threat. As a consequence, Indigenous Peoples may be more vulnerable to the adverse impacts associated with project development than non-indigenous communities. This vulnerability may include loss of identity, culture, and natural resource-based livelihoods, as well as exposure to impoverishment and diseases. Private sector projects can create opportunities for Indigenous Peoples to participate in, and benefit from project-related activities that may help them fulfil their aspiration for economic and social development. Furthermore, Indigenous Peoples may play a role in sustainable development by promoting and managing activities and enterprises as partners in development. Government often plays a central role in the management of Indigenous Peoples' issues, and clients should collaborate with the responsible authorities in managing the risks and impacts of their activities. The key areas of client responsibility are as follows:

- To ensure that the development process fosters full respect for the human rights, dignity, aspirations, culture, and natural resource-based livelihoods of Indigenous Peoples.
- ii. To anticipate and avoid adverse impacts of projects on communities of Indigenous Peoples, or when avoidance is not possible, to minimize and/or compensate for such impacts.
- iii. To promote sustainable development benefits and opportunities for Indigenous Peoples in a culturally appropriate manner.
- iv. To establish and maintain an ongoing relationship based on Informed Consultation and Participation (ICP) with the Indigenous Peoples affected by a project throughout the project's life-cycle.
- v. To ensure Free, Prior, and Informed Consent when: (i) impacts are on lands and natural resources subject to traditional ownership or under customary use; (ii)

relocation of Indigenous Peoples from lands and natural resources subject to traditional ownership or under customary use is required.

vi. To respect and preserve the culture, knowledge, and practices of Indigenous Peoples.

Performance Standard 8: Cultural Heritage

Performance Standard 8 recognises the importance of cultural heritage for current and future generations. Consistent with the Convention Concerning the Protection of the World Cultural and Natural Heritage, this Performance Standard aims to ensure that clients protect cultural heritage in the course of their project activities. In addition, the requirements of this Performance Standard on a project's use of cultural heritage are based in part on standards set by the Convention on Biological Diversity. The key areas of MTC' responsibility are as follows:

- i. Protection of cultural heritage in project design and execution through: (i) complying with applicable host country law and internationally recognised practices; (ii) establishing appropriate Chance Find Procedures; (iii) maintaining consultation with affected parties; and (iv) ensuring community access.
- ii. Ensuring that the mitigation hierarchy associated with Performance Standard 8 is adhered to with regard to the Removal of Replicable Cultural Heritage, Removal of Non-Replicable Cultural Heritage and Critical Cultural Heritage.
- iii. Ensuring communication of community rights, consultation and sharing of benefits with communities where the use of cultural heritage, including knowledge, innovations, or practices of local communities is proposed for commercial purposes.

3.1.2 National legislative requirements

Table 3-1 provides a summarized description of the key legislative requirements associated with this project and describes the responsibility of MTC and the consultant.

Table 3-1: Applicable and relevant Namibian legislations and guidelines for the EA process:

Legislation/Policy/	Permit/Approval Requirements	Contact Details		
Guideline				
F :	T			
Environmental	The amendment, transfer or renewal of the	Mr Damian Nchindo		
Management Act	Environmental Clearance Certificate (ECC)	Tel: 061 284 2701		
EMA (No 7 of 2007)	(EMA S39-42; EIAR Regs19 & 20).	100. 001 201 2701		
Environmental	Amendments (required every 3 years) to this			
Impact Assessment	EMP will require an amendment of the ECC for			
(EIA) Regulations	these developments.			
GN 28-30 (GG 4878)				

Legislation/Policy/	Permit/Approval Requirements	Contact Details
Guideline		
Labour Act 11 of 2007 Health and Safety Regulations GN 156/1997 (GG 1617).	Adhere to all applicable provisions of the Labour Act and the Health and Safety regulations.	Labour Law Advice: Tel: 061 309 957
The Atomic Energy and Radiation Protection Act, Act 5 of 2005	Provides for the adequate protection of the environment and of people against the harmful effects of radiation by controlling and regulating the production, processing, handling, use, holding, storage, transport and disposal of radiation sources and radioactive materials, and controlling and regulating prescribed non-ionising radiation sources according to the standards set out by the ICNIRP.	Mr. Joseph Eiman Tel: 061 203 2415 Joseph.Eiman@mhss.gov.na
The Aviation Act, Act 74 of 1962 Convention on International Civil Aviation, Annex 14	Gives effect to certain International Aviation Conventions and makes provision for the control, regulation and encouragement of flying within the Republic of Namibia and for other matters incidental thereto. • Annex 14 to the Convention on International Civil Aviation. • Chapter 4: Obstacle restrictions and removal • Chapter 6: Visual aids and donating of obstacles	Mr. Dennis Gaingob Tel: 061 702 265 gaingobd@dca.com.na
National Heritage Act (No. 27 of 2004)	Section 48 sets out the procedure for application and granting of permits, such as the permit required in the event of damage to a protected site occurring as an inevitable result of development. Section 51 (3) sets out the requirements for impact assessment.	Ms. Alma Nankela Tel: 061 244 375 ahamulo@gmail.com

Legislation/Policy/	Permit/Approval Requirements	Contact Details
Guideline		
	Part VI Section 55 Paragraphs 3 and 4 require that any person who discovers an archaeological site should notify the National Heritage Council.	
Forestry Act No 27 Of 2004 and its regulations of 2015 Water Resources	Provision for the protection of various plant species. The removal of more than 15 ha of wooded areas requires a permit. The Act provides for the management,	Mr T. Uahengo in the permit office at the Ministry of Environment and Tourism, Windhoek. Mr Witbooi
Management Act (No. 11 of 2013)	development, protection, conservation and use of water resources.	Tel: (061) 208 7226
The Electricity Act (No. 4 of 2009)	The Act provides information on the requirements for electricity generation, trading, transmission, supply, distribution, importation and export. The Electricity Control Board (under the Ministry of Mines and Energy) exercises control over the provision, use and consumption of electricity in Namibia; ensures efficiency and security of electricity provision; ensures a competitive environment in the electricity industry in Namibia; and promotes private sector investment in the electricity industry.	Mr. Nico Snyders Tel: 061 284 8160
Road Traffic and Transport Act (No. 22 of 1999)	The Act provides for the establishment of the Transportation Commission of Namibia; for the control of traffic on public roads, the licensing of drivers, the registration and licensing of vehicles, the control and regulation of road transport across Namibia's borders; and for matters incidental thereto.	Ms. Elina Lumbu Tel: 061 284 7027
Petroleum Products and Energy Act 13 of 1990 and the Petroleum Products Regulations (PPR)	"No person shall possess or store any fuel except under authority of a licence or a certificate" (PPR: S 3(2)).	Ms L. Hangero Tel: (061) 284 8111

Legislation/Policy/	Permit/Approval Requirements	Contact Details
Guideline		
	Par IV of Chapter 3 (Sections 47&48) deals with	
	duties regarding fires and explosions, while (S	
4) details measures to be taken in the event of		
	product spills.	
	Section 50 details provisions related to cost	
	recovery in respect of incidents involving	
	product spills.	

3.2 Roles and Responsibilities

The Proponent (MTC Namibia) and its Contractors and Engineers are ultimately responsible for the implementation of the EMP. The Proponent may delegate the responsibilities at any time, as they deem necessary, from construction, operation and maintenance phase and decommissioning phase (if considered). The implementation of environmental and social commitments will be conducted by both the applicable phase site managers and the relevant contractor environmental, safety and health representatives or site supervisors, and if, required, specialists.

The delegated responsibilities for the effective implementation of this EMP will rest on the following key individuals:

- Site Manager;
- Proponent's Representative;
- Environmental, Health and Safety Control Officer (EHSCO);
- Contractors; and
- Specialists.

3.2.1 Site Manager (SM)

Overall responsibility for all activities that take place on the project sites will reside with the applicable phase site managers. In this regard the following roles and responsibilities are applicable:

- The implementation of and compliance with the environmental management measures proposed in this document;
- Ensuring compliance with relevant environmental and related authorisations and license conditions;
- Implementation and maintenance of an Environmental Management System (subchapter 6.2);
- Maintaining stakeholder engagement and grievance mechanisms;
- Ensuring that the monitoring, auditing and reporting programmes are scoped and included in the annual budgets; and
- Identifying and appointing of appropriately qualified specialists (were necessary) to undertake the programmes in a timeous manner and to acceptable standards.

3.2.2 Proponent's Representative (PR)

If the Proponent (MTC Namibia) does not personally manage all aspects of the planning and design, construction and operation and maintenance phase activities and decommissioning, referred to in this EMP, they should assign the responsibilities to a suitably qualified individual referred to in this plan as the Proponent's Representative (PR). The Proponent may decide to assign the role of a PR to one person for both phases. Alternatively, the Proponent may decide to assign a separate PR for each component i.e. planning and design, construction, operation and maintenance and decommissioning phase. The PR's responsibilities, included in Error! Reference source not found. are as follows:

Responsibilities assigned to the Proponent's Representative for planning and design, construction, operation and maintenance and decommissioning phases

- Managing the implementation of this EMP and updating and maintaining it when necessary;
- Management and monitoring of individuals and/or equipment on-site in terms of compliance with this EMP; and
- Issuing fines for contravening EMP provisions

3.2.3 Environmental, Health and Safety Control Officer (EHSCO)

The Proponent (MTC Namibia) should assign the responsibility of overseeing the implementation of the whole EMP from the planning and design phase to operation and maintenance and decommissioning phase to a designated member of staff, referred to in this EMP as the Environmental, Health and Safety Control Officer (EHSCO). The EHSCO will be competent persons determined by the respective site managers to fulfil the role as the Proponent's representative to monitor and review the on-site environmental management and implementation of both the generic EMP and the site-specific components by the Contractor. MTC Namibia may decide to assign this role to one person for both phases or may assign separate individual EHSCOs to oversee EMP implementation during each phase

The EHSCO's duties will include the following:

- Assisting the site managers in ensuring that the necessary environmental authorizations and permits have been obtained;
- Management and facilitation of communication between the site managers,
 Proponent, PR, Contractors and Interested and Affected Parties (I&APs) with regard to this EMP;
- Conducting regular site inspections of all areas with respect to the implementation
 of this EMP (monitor and audit the implementation of the EMP);

 Monitoring and verifying adherence to the EMP and verifying that environmental impacts are kept to a minimum;

- Advising the PR and site managers on the removal of person(s) and/or equipment not complying with the provisions of this EMP, i.e. taking appropriate action if the specifications are not followed;
- Assisting the Contractors in finding environmentally responsible solutions to problems;
- Monitoring the undertaking by the Contractors of environmental awareness training for all new personnel coming onto site;
- Advising on the removal of person(s) and/or equipment not complying with the specifications via the site managers;
- Recommending the issuing of fines for transgressions of site rules and penalties for contraventions of the EMPs;
- Auditing the implementation of the EMP and compliance with authorization on a monthly basis;
- Undertaking a continual review of the EMP and recommending additions and/or changes to the document;
- Making recommendations to the PR and/or site managers with respect to the issuing
 of fines for contraventions of the EMP; and
- Undertaking an annual review of the EMP and recommending additions and/or changes to this document.

3.2.4 Contractors

All Contractors' Environmental, Health and Safety (EHS) representatives or site supervisors (as appropriate) will:

- Ensure the relevant commitments contained in the EMP Action Plans (subchapter 5.2 and 5.3) are adhered to;
- Compile relevant procedures and method statements for approval by the applicable phase site manager prior to initiation of activities;
- Ensure relevant staff are trained in procedures; and
- Maintain records of all relevant environmental documentation.

3.2.5 Specialists

Additional, specialised skills may be required on an ad-hoc basis or in terms of environmental support services and independent compliance monitoring and auditing specifically when establishing the route of the powerlines. Suitable professionals will be sourced on a contract basis, as and when required.

3.3 Organizational Capacity and Competency

3.3.1 Environmental Management

As described in the previous section the key personnel to ensure compliance with this EMP report will be MTC's project phase site managers and the relevant Contractors' environmental, health and safety control (EHS) representatives or site supervisors. In this regard, candidates for such positions must have relevant demonstrable experience in EMP implementation.

MTC Namibia may elect to appoint dedicated Environmental, Health and Safety Control Officers (EHSCOs), in which case roles and responsibilities assigned to the site managers, could be shared between the site managers and the EHSCOs, as appropriate. If so, these must be documented as per the Environmental Management System described in subchapter 6.2 of this EMP.

3.3.2 Staff Training

The applicable management team will implement and maintain regular awareness and training programmes throughout the life of the project. In this regard, the following key issues will be included in staff awareness and training programmes, for project and contractor staff alike:

- Environmental procedures and protocols in line with the project's EMS;
- Environmental risks and the appropriate response actions;
- Hazardous materials and waste management;
- The value of biodiversity and the need to conserve the species and systems that occur within and surrounding the project areas;
- Zero tolerance of the killing or collecting of any biodiversity by anybody working for or on behalf of MTC Namibia at the sites;
- Strict speed control measures for all project related vehicles; and
- Relevant emergency response procedures.

3.4 Assumptions and Limitations

This EMP has been drafted with the acknowledgment of the following assumptions and limitations:

- The EMP was drafted based on the scoping-level Environmental Assessment (EA)
 conducted for the proposed construction of the new MTC sites across Namibia. No
 detailed specialist studies were included as part of this;
- Consultation at site level was not conducted during the study, due to the fact that:
 - some site information was not fixed yet, cautioning against creating expectations that cannot be met later on in the project.
 - Prolonged period over which the project is expected to run. Many of the authority representatives and local I&APs are likely to change throughout the course of the project lifetime. This would pose a risk that premature participation could result in information getting lost over time.
- The mitigation measures recommended in this EMP document are based on the risks/impacts in the scoping report which were identified based on the provided project description and anticipated project impacts. Should the scope of the project change, the risks will have to be reassessed and mitigation measures provided accordingly.

3.4.1 Level of Accuracy

The identification and assessment of potential impacts associated with the proposed project, and the proposed management measures and commitments set forth in this document, are based on the information and project planning details provided by MTC Namibia at the time of conducting the Scoping process. This information is assumed to be accurate and applicable to the final construction, operation and maintenance of the proposed MTC network structures in Namibia. Where project design information was only available at a conceptual level (pending the full planning and design phase outcome), commensurate high level risk identification and mitigation/control infrastructure design principles and guidelines are provided. In this regard, industry standards and international best practice guidelines were drawn upon.

3.4.2 Occupational Health and Safety

Occupational health and safety aspects of the proposed project were not considered in any detail in this assessment process. It is assumed that MTC Namibia and the relevant subcontractors will have the necessary occupational health and safety certifications and management plans in place for the construction of the proposed network structures.

4 PART 2: ENVIRONMENTAL AND SOCIAL SCREENING CHECKLIST

With reference to Table 6-2 in the Scoping Assessment report, the following sources of impact/actions were identified during the various project phases:

Project Phase	Sources of Impact/Activity	Status	Triggered Actions
	Employment of labour	[] Yes [] No	See Section A below
	Procurement of materials, equipment and services	[] Yes [] No	See Section B below
	Transportation of manpower, equipment and material to/from the site	[] Yes [] No	See Section C below
Construction	Presence of workforce	[] Yes [] No	See Section D below
Phase	Site clearance, including site footprint, powerline and road	[] Yes [] No	See Section E below
	Power Generation	[] Yes [] No	See Section F below
	Material storage/handling/use on site	[] Yes [] No	See Section G below
	Hazardous and non-hazardous waste disposal	[] Yes [] No	See Section G below
	Physical presence of structures and facilities (i.e. roads and powerlines)	[] Yes [] No	See Section H below
	Maintenance of equipment	[] Yes [] No	See Section I below
Operation	Maintenance of roads and powerlines	[] Yes [] No	See Section I below
	Vehicle movement	[] Yes [] No	See Section I below
	Removal of Infrastructure	[] Yes [] No	See Section I below
	Waste generation and disposal	[] Yes [] No	See Section I below
Decommissioning	Decommissioning of site, powerline or road	[] Yes [] No	See Section J below

5 PART 3: ENVIRONMENTAL MANAGEMENT PLAN ACTIONS

5.1 Project Environmental Aims, Objectives, Goals and Commitments

The aim of the management actions of the EMP is to avoid potential impacts where possible. Where impacts cannot be avoided, measures are provided to reduce the significance of these impacts. The objective, goal and commitments of environmental management action plans are as follow:

5.1.1 Project objective:

To prevent unnecessary disturbance of the environmental components (health & safety, biodiversity, visual, noise, air quality and soil and water etc.).

5.1.2 Project goals:

- To operate in harmony with surrounding land users;
- To ensure ecosystem functionality and associated land capability are not lost; and
- To operate in a socially and culturally sustainable manner.

5.1.3 Project commitments:

- Adherence to Namibian environmental legislative requirements and applicable international standards and guidelines;
- Incorporating environmental duty of care into all business operations, from project design and planning, through execution, to operational review and improvement;
- Utilising the best available techniques, not entailing excessive costs, to comply
 with the requirements of existing and future legislation, and encouraging those
 working on site to meet the same standards;
- Keeping track of ancillary services in a cradle-to-grave approach, including the
 appointment of environmentally compliant service providers and the monitoring
 and correcting of service provider behaviour, as appropriate;
- Maintaining a state of preparedness for potential environmental incidents, and implementing mitigation to prevent recurrence;
- Efficient communication of environmental policies, objectives and targets, and the provision of the necessary training to all spheres of operation including service providers;

 Building lasting relationships with the neighbouring community, farmers, businesses and administrative organisations through honesty, disclosure and cooperation;

- Provision of information to Interested and Affected Parties on both planned and ad hoc project developments in a timeous and open manner; and
- Promotion of the Proponent's objectives and positive response to enquiries and suggestions from the Interested and Affected Parties (Stakeholders).

5.2 Mitigation measures

The following sections provide generic information for the management and mitigation of potential risks on the project sites for low risk sites (i.e. identified during the scoping report).

Information is provided according to each Section as described in Part 2: Environmental and Social Screening Checklist:

5.2.1 Section A: Employment of labor

Section	Sources of impact/ Activity	Parameter	Management Requirement	Project Phase	Frequency	Implementation	Responsibility
SECTION A	Employment of labor	1. Construction tendering Process	 The EMP and site-specific requirements shall be included in the tender documents so that tenderers can make provision for the implementation of this document. Construction tender documentation shall include provisions that require the use of local labor as much as possible. 	Pre-Construction	Once off	Contractor	MTC: Project Phase Manager
SECTION A	Employment of labor	2. Labor Recruitment	It is anticipated that MTC Namibia will utilize its own workforce (especially the technical and specialized personnel). However, should there be a need to employ additional person(s), recruitment shall not be done	Pre-construction	As required	MTC Namibia Contractors' Human Resources	Project Phase Managers

Section	Sources of impact/ Activity	Parameter	Management Requirement	Project Phase	Frequency	Implementation	Responsibility
			at the project sites, but at the respective Regional or Constituency offices. Recruit laborers for unskilled work (vegetation clearing, grubbing and flag bearers etc.) from the nearest village/settlement to the work site. Small-scale contractors that are established in Namibia and that are capable of carrying out concrete works should be supported as far as possible, providing them with the appropriate back up of civil engineering contracts that have the appropriate plant. People from outside the immediate project areas will only be recruited if a skilled/specialized resource				

Section	Sources of impact/ Activity	Parameter	Management Requirement	Project Phase	Frequency	Implementation	Responsibility
			for a specific task is not available.				

5.2.2 Section B: Procurement of materials, equipment and services

Section	Sources of impact/	Parameter	Management Requirement	Project Phase	Frequency	Implementation	Responsibility
	Activity			,	,		, , , , , , , , , , , , , , , , , , , ,
SECTION B	Procurement of materials, equipment and services	1. Construction schedule	• A construction work/schedule will be prepared and shared with the Regional/local/traditional authorities, property owners and immediate adjoining neighbors of the details of construction, including how access will be ensured at all times and a contact person. Minutes of the meeting must be made available to the Engineer. The Councilors and traditional leaders of the area should be kept abreast of progress of the project through dissemination of updated programs. This will raise awareness of when to expect the movement of the	Pre-construction	Once off	Construction Engineers / Contractors MTC Namibia	Project Phase Managers

Section	Sources of impact/ Activity	Parameter	Management Requirement	Project Phase	Frequency	Implementation	Responsibility
			construction team and vehicles in their area. In populated areas construction activities shall be restricted to weekdays i.e. Mondays to Fridays and during working hours (8:00 - 17:00) only. The construction team will adhere to the rules and regulations of the specific project areas (where applicable) (e.g. national park rules). The normal site acquisition process shall include the following: That the detail of the project was discussed with the owner and that the owner understands				

Section	Sources of impact/ Activity	Parameter	Management Requirement	Project Phase	Frequency	Implementation	Responsibility
			the extent of the project. Conditions to the use of the land, especially with regard to private roads, opening and closing of gates, construction times and a liability clause. Facilitation of future communications between the construction team contact person and the property owner (sharing of construction team contact details with the land/property owner). The Proponent should plan for a temporary contractor's camp (housing) for workers that are not local residents.				

	Sources of						
Section	impact/	Parameter	Management Requirement	Project Phase	Frequency	Implementation	Responsibility
	Activity						
SECTION B	Procurement of materials, equipment and services	2. Structure design	 Careful consideration shall be given to the siting locations of the construction campsite and ad hoc site establishments. These areas will not be located in sensitive areas in terms of grazing fields, croplands, areas with significant clusters of protected trees, etc. The Proponent should look for degraded areas for material lay down areas The design standards to be applied for the BTS structure will comply with the nationally accepted public exposure guidelines of the International Commission on Non-Ionizing Radiation Protection (ICNIRP). 	Pre-construction phase	As required	MTC Namibia and their responsible Engineers	Project Phase Managers

Section	Sources of impact/ Activity	Parameter	Management Requirement	Project Phase	Frequency	Implementation	Responsibility
SECTION B	Procurement of materials, equipment and services	3. EMP training	 Employees appointed for construction work on respective infrastructures shall ensure that all personnel are aware of necessary health, safety and environmental considerations applicable to their respective work. Records shall be kept of all induction meetings conducted during the construction and operational period. The training shall include the following: Raising awareness of employees' individual impact on the environment. Ensuring preventative measures and procedures are undertaken in order to 	All phases	Ongoing As required	MTC Namibia Representative Environmental, Health and Safety Control Officers	Construction Site Managers

Section	Sources of impact/ Activity	Parameter	Management Requirement	Project Phase	Frequency	Implementation	Responsibility
			reduce the risk of a potential impact.				
SECTION B	Procurement of materials, equipment and services	4. EMP Implementation	 MTC will appoint a Proponent's Representatives (PR) that will act as their onsite implementing agents. The PRs will be responsible to ensure that the Proponent and Contractors' responsibilities are executed in compliance with relevant legislation and this EMP. MTC Namibia shall appoint an Environmental Health, Safety Control officer(s) for the project. The EHSCOs will ensure the implementation of the EMP. 	Pre-construction	Ongoing	MTC Namibia	Project Phase Managers

Section	Sources of impact/ Activity	Parameter	Management Requirement	Project Phase	Frequency	Implementation	Responsibility
SECTION B	Procurement of materials, equipment and services	5. Monitoring of EMP implementation	 The EHSCOs shall be put in contact with the respective property owners and applicable authorities so that they (property owners and authorities) can forward their comments and concerns directly to him or her during the project. The implementation of this EMP shall be monitored and transgressions and rectification thereof recorded. The site should be inspected throughout the construction once a day during construction and after completion of the construction work. 	All phases	Daily	MTC Namibia Representative Environmental, Health and Safety Control Officers	Construction Site Managers

5.2.3 Section C: Transportation of manpower, equipment and material to/from the site and use on site

Section	Sources of impact/ Activity	Parameter	Management Requirement	Project Phase	Frequenc y	Implementatio n	Responsibility
	Transportation of manpower, equipment and material to/from the site	1. Vehicle Traffic	 Construction vehicles transporting equipment and people to site, shall adhere to the required speed limits in urban and rural areas. Implement and maintain off road track discipline with maximum speed limits (e.g. 30km/h) as this would result in fewer faunal mortalities and limit dust pollution. Construction vehicle drivers should be in possession of valid and appropriate driver's licenses. All vehicles that transport materials and equipment to and from the sites shall be roadworthy. 	All phases	As required	MTC Namibia Environmental, Health and Safety Control Officers	Construction Site Managers

Section	Sources of impact/ Activity	Parameter	Management Requirement	Project Phase	Frequenc	Implementatio n	Responsibility
			 Equipment and materials loaded onto vehicles must be properly secured to completely avoid items falling off the vehicle and hurt other roads users, especially pedestrians. Vehicle drivers should adhere to the road safety rules and signs. Construction vehicles should have a scheduled time for loading and offloading materials at the site so that they do not interfere with daily traffic in the area whenever. The Contractors should have a strict transportation schedule of personnel from campsite to work sites and back. 				

Section	Sources of impact/ Activity	Parameter	Management Requirement	Project Phase	Frequenc y	Implementatio n	Responsibility
SECTION C	Transportation of manpower, equipment and material to/from the site	2. Workers	 Temporary construction warning signage should be put up close to the sites. Workers should be transported, in a bus (or similar suitable passenger vehicle) to and from site. Workers should be provided with portable toilets (i.e. easily transportable) on site. No workers should reside onsite for the entire duration of the construction period. The Contractor must adhere to the regulations pertaining to Health and Safety, including the provision of protective 	All phases	As required	MTC Namibia Environmental, Health and Safety Control Officers	Construction Site Managers
			clothing, failing which the Contract may be ended with immediate effect.				

Section	Sources of impact/ Activity	Parameter	Management Requirement	Project Phase	Frequenc y	Implementatio n	Responsibility
			 No workers should be allowed to drink alcohol or be under the influence of alcohol during working hours. Dust protection masks shall be provided to staff members. All flammable materials used for construction should be properly contained to limit the risks of fire. Workers shall have access to potable water at all times when working to avoid dehydration. Foam fire extinguishers must be in close proximity to fuel kept on site. There should be trained personnel to handle this equipment. 				

Section	Sources of impact/ Activity	Parameter	Management Requirement	Project Phase	Frequenc y	Implementatio n	Responsibility
			 In the case that workers will be preparing quick meals on site, the contractor should supply their workers with food and cooking appliance (e.g. stoves) to minimize the use of firewood or fires; no live natural vegetation may be used for firewood. Poaching or collecting of wild animals is prohibited without a permit 				
		3. Noise	 Noise from construction vehicles and equipment should be reduced to an acceptable level (SA legislation). In populated areas, construction activities should be carried out between 09:00 and 17:00 on working days to ensure that noise is strictly 	Construction phase	As required	MTC Namibia Environmental, Health and Safety Control Officers	Construction Site Managers

Section	Sources of impact/ Activity	Parameter	Management Requirement	Project Phase	Frequenc y	Implementatio n	Responsibility
			 limited to normal working days only i.e. no work is done in the weekends or during the night. The working time should be respected in order to preserve tranquility in the area especially, the property owners and the surrounding residents. Noisy equipment should be shut down when not in use to avoid unnecessary noise on site. Workers should be equipped with noise personal protective equipment (PPE) such as earplugs to reduce noise exposure at all times on site, especially when operating noisy equipment. 				

Section	Sources of impact/ Activity	Parameter	Management Requirement	Project Phase	Frequenc y	Implementatio n	Responsibility
SECTION C	Transportation of manpower,	4. Public Health and	During operations the engine covers of generators, air compressors and other powered mechanical equipment shall be closed, and equipment placed as far away from residential areas as possible. Work sites should be fenced off to limit unauthorized public	Pre-construction	As required	MTC Namibia Environmental,	Construction Site Managers
	equipment and material to/from the site	Safety	 Clearly visible traffic and safety warning signs must be placed at the construction site that warns the public of all potential hazards. Safe passages and crossings for pedestrians should be created where construction traffic interferes. 			Health and Safety Control Officers	

Section	Sources of impact/ Activity	Parameter	Management Requirement	Project Phase	Frequenc y	Implementatio n	Responsibility
			 Adjust to local traffic patterns, e.g. avoid major transport activities during rush hours or times of livestock movement Provide traffic management by trained staff at the site, if required for safe and convenient passage for the public. Ensure that nearby owners and residents have safe and continuous access to office facilities, shops and residences during construction activities. 				

5.2.4 Section D: Presence of workforce

	Sources of						
Section	Impact/	Aspect	Management Actions	Project Phase	Frequency	Implementation	Responsibility
	Activity						
SECTION D	Presence of workforce	1. Property owners and Contractors	In terms of Contractors' interaction with property owners (in case of sites located on private property): The Contractors and their workforce may not stray from the road passing through the property. Any other route to be taken (from the site access road), the Contractors should ask for the property owner's permission. Property owner's roads marked with no entry signs, should be respected and the Contractors should not in any way use these	All phases	As required	MTC Namibia Environmental, Health and Safety Control Officers	Construction Site Managers

Section	Sources of Impact/	Aspect	Management Actions	Project Phase	Frequency	Implementation	Responsibility
	Activity		, J		, ,	·	' ,
			o Fences or gates of the				
			property owner shall not				
			be damaged when gaining				
			access to the site.				
			o The Contractors should				
			ensure that they leave				
			property owner's				
			entrances (gates) as they				
			found them i.e. if the				
			entrance is found opened,				
			they must be left open,				
			and if closed, they must be				
			closed again upon entry,				
			unless otherwise arranged				
			with the property owner.				
			The contractor shall inform the				
			property owner or regulatory				
			authority before entering the				
			property, and should arrange				
			with the property owner or				
			regulatory authority as may be				
			necessary to ensure free and				

Section	Sources of Impact/ Activity	Aspect	Management Actions	Project Phase	Frequency	Implementation	Responsibility
			unhampered entry to, and movement on or over the property concerned, for the duration of the project. • Any changes that might occur to the construction and maintenance program, which could affect the landowners or regulatory authority, should be communicated to the appropriate persons.				

5.2.5 Section E: Site Clearance (including footprint area of site, powerlines and roads)

Section	Sources of Impact/ Activity	Aspect	Management Actions	Project Phase	Frequency	Implementation	Responsibility
SECTION E	Site clearance, including site footprint, powerline and road	1. Flora	 No vegetation should be removed from site unnecessarily or disturbed in any way. No equipment or waste material of any kind shall be left on any vegetation after construction works. No off-road driving shall be allowed, except on the agreed upon access roads into the area. No collection of site plants for own use or commercial purpose is allowed. When constructing roads and powerlines, vegetation may only be cleared within the corridor. The reserves on 	All Phases	As required	MTC Namibia Environmental, Health and Safety Control Officers	Construction Site Managers

Section	Sources of Impact/ Activity	Aspect	Management Actions	Project Phase	Frequency	Implementation	Responsibility
			either sides of this corridor may not be cleared of vegetation. Detours must be made around mature trees if necessary and where tracks already exist. No trees may be felled or live wood in the project area removed by any member of the construction team. A survey and inventory shall be made of large trees (i.e. trees of ≥ 150 cm diameter) in the vicinity of the construction activity, large trees shall be marked and cordoned off with fencing, their root system protected, and any damage to the trees avoided No natural habitats, wetlands and protected areas in the				

Section	Sources of Impact/	Aspect	Management Actions	Project Phase	Frequency	Implementation	Responsibility
	Activity						
			immediate vicinity of the activity will be damaged or exploited, all staff will be strictly prohibited from hunting, foraging, logging or other damaging activities. There will be no unlicensed borrow pits, quarries or waste dumps in adjacent areas, especially not in protected areas.				
SECTION E	Site clearance, including site footprint, powerline and road	2. Fauna	 The construction team shall not snare, poach, kill, taunt, collect, smuggle or abuse wild or domestic animals at the sites The breeding sites (nests) of wild birds shall not be disturbed. Underground burrows shall not be flushed, closed up, or 	All Phases	As required	MTC Namibia Environmental, Health and Safety Control Officers	Construction Site Managers

Section	Sources of Impact/ Activity	Aspect	Management Actions	Project Phase	Frequency	Implementation	Responsibility
			destroyed, on purpose, even within the site areas.				
SECTION E	Site clearance, including site footprint, powerline and road	3. Avifauna (Birds)	 In the case of wooden pole structures (including poles used for any transformer and switchgear structures), the earth wire on each power line pole should be "gapped", i.e. an air space safety gap should be included in the earth wire running along the pole. The gap should be wide enough to avoid being permanently active, but close enough to allow lightning strikes to bridge it. Stay wires of both communication structures should be marked with standard "vibration dampers" 	Pre-Construction	As required	MTC Namibia Environmental, Health and Safety Control Officers	Construction Site Managers

Section	Sources of Impact/ Activity	Aspect	Management Actions	Project Phase	Frequency	Implementation	Responsibility
			 in alternating black and white, to increase visibility. The stay wires on powerline poles should be "gapped" similarly, by means of an insulator. Transformer/switchgear structures should be designed in such a way that they are not attractive as bird perches/nesting sites. Selected live components should be insulated (e.g. using PVC piping or low density polyethylene pipe (LDPE)). On strain structures where jumper wires are used in a horizontal configuration, the two outer jumpers should be suspended below the cross arm and the third/center jumper should be 				

Section	Sources of Impact/ Activity	Aspect	Management Actions	Project Phase	Frequency	Implementation	Responsibility
			 insulated, or all jumpers insulated. Monitoring is essential (see Chapter 6 of this report) and, should the results indicate that electrocutions are still taking place on the structures, further mitigation should be investigated. While subscribing to mandatory aviation requirements, attempts should be made to reduce the impact of necessary light as far as possible through: reducing numbers and intensity of lights at night, as far as possible using intermittent light (i.e. avoid steady light in 				

Section	Sources of Impact/ Activity	Aspect	Management Actions	Project Phase	Frequency	Implementation	Responsibility
SECTION E	Site clearance, including site footprint, powerline and road	4. Archaeological Significant Sites	favor of flashing/blinking lights) Regular monitoring is considered essential and, should the results indicate that collisions are still taking place, further mitigation should be investigated and applied Should a heritage site or archaeological site be uncovered or discovered during the construction phase of the project, a "chance find" procedure should be applied in the order they appear below: If operating machinery or equipment stop work; Demarcate the site with danger tape;	Construction Phase	As required	MTC Namibia Environmental, Health and Safety Control Officers	Construction Site Managers

Section	Sources of Impact/ Activity	Aspect	Management Actions	Project Phase	Frequency	Implementation	Responsibility
			 Determine GPS position if possible; Report findings to the construction foreman; Report findings, site location and actions taken to superintendent; Cease any works in immediate vicinity; Visit site and determine whether work can proceed without damage to findings; Determine and demarcate exclusion boundary; Site location and details to be added to the project's Geographic Information System (GIS) 				

Section	Sources of Impact/ Activity	Aspect	Management Actions	Project Phase	Frequency	Implementation	Responsibility
			for field confirmation by archaeologist; Inspect site and confirm addition to project GIS; Advise the National Heritage Council (NHC) and request written permission to remove findings from work area; and Recovery, packaging and labelling of findings for transfer to National Museum. Should human remains be found, the following actions will be required: Apply the chance find procedure as described above;				

	Sources of						
Section	Impact/	Aspect	Management Actions	Project Phase	Frequency	Implementation	Responsibility
	Activity						
			 Schedule a field inspection with an archaeologist to confirm that remains are human; Advise and liaise with the NHC and Police; and Remains will be recovered and removed either to the National Museum or the National Forensic Laboratory. The Contractors should ensure that no artefacts is removed or damaged under any circumstances. All archaeological or cultural sites should be clearly marked and left undisturbed during removal of vegetation for 				

6	Sources of			5 51	_		D 11111
Section	Impact/	Aspect	Management Actions	Project Phase	Frequency	Implementation	Responsibility
	Activity						
			construction and maintenance work. Cemeteries/graveyards should not be intruded nor disturbed during construction, operation and maintenance works. No graves shall be moved or tampered with. If the building is a designated				
			historic structure, very close to such a structure, or located in a designated historic district, notification shall be made and approvals/permits be obtained from local authorities and all construction activities planned and carried out in line with local and national legislation.				

Section	Sources of Impact/ Activity	Aspect	Management Actions	Project Phase	Frequency	Implementation	Responsibility
SECTION E	Site clearance, including site footprint, powerline and road	5. Visual	At sites with a high visual prominence (e.g. located close to a road or on slightly elevated ground) the following should be investigated (subject to approval from the Director of Civil Aviation): The equipment container and palisade fence should be painted brown or green (depending on the vegetation cover of the surrounding area) or covered with wooden poles to blend in with the surrounding area. With the approval of the Directorate of Civil Aviation, masts should be left galvanized to	Pre-Construction	As required	MTC Namibia Environmental, Health and Safety Control Officers	Construction Site Managers

	Sources of						
Section	Impact/	Aspect	Management Actions	Project Phase	Frequency	Implementation	Responsibility
	Activity						
			minimize the visual impact.				
SECTION E	Site clearance, including site footprint, powerline and road	6. Air Quality	 Dust generation should be kept at an acceptable level by using a reasonable amount of water. If feasible, municipal wastewater or grey water should be treated to an acceptable quality level, so that it can be used for construction purposes, which includes dust suppression on the roads and onsite. Debris shall be kept in a controlled area and sprayed with water mist to reduce debris dust. 	Construction Phase	As required	MTC Namibia Environmental, Health and Safety Control Officers	Construction Site Managers

	Sources of						
Section	Impact/	Aspect	Management Actions	Project Phase	Frequency	Implementation	Responsibility
	Activity						
			 During pneumatic drilling/wall destruction dust shall be suppressed by ongoing water spraying and/or installing dust screen enclosures at site. The surrounding environment (sidewalks, roads) shall be kept free of debris to minimize dust. There will be no open burning of construction / waste material at the site There will be no excessive idling of construction vehicles at sites. 				

5.2.6 Section F: Power Generation and Road construction

	Sources of							
Section	Impact/	Aspect	Management Actions	Project Phase	Frequency	Implementation	Responsibilit	ty
	Activity							
Section F	Power Generation and road construction	1. Powerlines	 During the design and alignment of the powerline route, an ecologist and avifauna specialist should join the design team on site to make recommendations regarding the proposed alignment and design. Approval should be obtained from Roads Authority for permission to cross over any proclaimed road. This permit should be obtained prior to the commencement of the construction works. The proposed power line pole designs and locations need to 	Pre-construction	As required	Construction Engineers / Contractors MTC Namibia	Project I Managers	Phase

Section	Sources of Impact/ Activity	Aspect	Management Actions	Project Phase	Frequency	Implementation	Responsibility
Section F	Power Generation and road construction	2. Roads	regarding the height of the transmission poles and the position in the area. • Enforce reduced speed limits adjacent to the power line route during construction hours. • Make use of existing tracks/roads as much as possible throughout the area; • Limit cut and fill activities during the construction of service roads. Natural contours should be followed as far as possible. • Roads should be constructed with a slope towards the sides to ensure the runoff of water from the road surface.	Construction and rehabilitation	As required	Construction Engineers / Contractors MTC Namibia	Project Phase Managers

	Sources of				_		
Section	Impact/	Aspect	Management Actions	Project Phase	Frequency	Implementation	Responsibility
	Activity						
			 Sufficient culverts should be constructed where applicable to allow rain water / surface water to pass through without constriction. Sides of the road should be rehabilitated to reduce the risk for landslides and erosion. Borrow pits used for the construction of roads shall be rehabilitated and all disturbed areas returned to as close as possible to their original state before construction works. 				

5.2.7 Section G: Material storage/handling and use on site, Waste disposal

Section	Sources of Impact/ Activity	Aspect	Management Actions	Project Phase	Frequency	Implementation	Responsibility
SECTION G	Material storage/ handling/ use on site	1. Storage of materials and hazardous substances	 Fuel, diesel and other hazardous substances must be stored properly according to the Hazardous Substance Ordinance (No. 14 of 1974). Ensure that oil/ fuel spillages from construction vehicles and machinery are minimised and that where these occur, they are appropriately dealt with. Drip trays must be placed underneath construction vehicles when not in use to contain all oil that might be leaking from these vehicles. Contaminated runoff from the construction sites should be prevented from entering other surface water bodies. 	Construction Phase	Daily	MTC Namibia Environmental, Health and Safety Control Officers	Construction Site Managers

Section	Sources of Impact/ Activity	Aspect	Management Actions	Project Phase	Frequency	Implementation	Responsibility
			 All materials on the construction site should be properly stored and bunded to prevent contamination. An impermeable liner should be laid down on the site areas where hydrocarbon products are kept or frequently used (and the possibility of spillage is high) in order to prevent contaminants from reaching to surrounding soils. In order to avoid or reduced the easy transporting of contaminants (wastewater) into water systems, excavation works should not be executed under aggressive weather conditions such as (rainy season). 				

Section	Sources of Impact/ Activity	Aspect	Management Actions	Project Phase	Frequency	Implementation	Responsibility
SECTION G	Hazardous and non- hazardous waste disposal	2. Waste management	 Contractors should not litter the environment at the road work side or at the camp. All waste generated during construction should either be kept for recycling or disposed at the nearest designated landfill site. Waste bins should be provided around the work site and at the Contractors camp. Potential contaminants such as hydrocarbons and waste water should be contained on site by means of an oil-water separator and disposed of in accordance to wastewater discharge standards so that they do not contaminate surrounding soils. 	All Project Phases	Daily	MTC Namibia Environmental, Health and Safety Control Officers	Construction Site Managers

Section	Sources of Impact/ Activity	Aspect	Management Actions	Project Phase	Frequency	Implementation	Responsibility
			 A drip tray should be available for each heavy construction vehicle on-site. Servicing of vehicles in the field is not permitted, except in case of emergencies, on condition that oils and lubricants are prevented from spilling through the use of drip trays or other suitable containers. Accidental spills must be cleaned immediately. The contaminated soil must be suitably disposed of in a container for hazardous waste. Oil, lubricants, and other hazardous materials must be stored in separate containers (concrete liner, container, or metal or plastic drip tray) and 				

Section	Sources of Impact/ Activity	Aspect	Management Actions	Project Phase	Frequency	Implementation	Responsibility
			stored for transport and disposal at an approved waste disposal site or for collection by an oil recycling company such as WESCO Salvage in Walvis Bay.				
SECTION G	Hazardous and non- hazardous waste disposal	3. Soil and Water Resources	 An emergency plan should be available for major / minor spills at the site during construction activities. 	All project phases	As required	MTC Namibia Environmental, Health and Safety Control Officers	Construction Site Managers

5.2.8 Section H: Health and Safety

Section	Sources of Impact/ Activity	Aspect	Management Actions	Project Phase	Frequency	Implementation	Responsibility
SECTION H	Health and safety	1. Construction workers	 Construction workers should be properly educated about the impact of HIV / AIDS on their health and protection methods thereof. Prostitution or sexual relationships between construction workers and locals should not be allowed at the construction sites. 	All Project Phases	As part of induction and intermitted thereafter on a monthly bases.	MTC Namibia Environmental, Health and Safety Control Officers	Construction Site Managers
SECTION H	Health and safety	2. Civil Aviation Safety	o The proposed network structure designs and locations need to be verified to ensure that it meets the approval of the Directorate of Civil Aviation regarding the height of the transmission structures and the position in the area.	Pre-construction	Once-off	Construction Engineers	Project Phase Managers

	Sources of						
Section	Impact/	Aspect	Management Actions	Project Phase	Frequency	Implementation	Responsibility
	Activity						
			 MTC Namibia should ensure that all telecommunication structures comply with the Annexure 14 requirements of the Aviation Authority, and seek clearance from, or submit notification to the Director of Civil Aviation (DCA) prior to construction: Notify the DCA of locality of structure sites where airfields are less than 8 km from the sites. Any structures to be erected within an 8 km radius from any aerodrome, airfield, airstrip or airport needs clearance from the DCA in compliance with the International Civil Aviation Organization (ICAO). 				

Section	Sources of Impact/ Activity	Aspect	Management Actions	Project Phase	Frequency	Implementation	Responsibility
SECTION H	Health and Safety	3. Electromagnetic Radiation (EMR)	 MTC should ensure that output levels are within the international standards of The Atomic Energy and Radiation Protection Act, Act 5 of 2005 and Guidelines for Limiting Exposure to Time-Varying Electric, Magnetic, and Electromagnetic Fields (April 1998 developed by the International Commission on Non-Ionizing Radiation Protection (ICNIRP)). The design standards to be applied for the structures should comply with the nationally accepted public exposure guidelines of ICNIRP. MTC should establish a platform for the sharing of information regarding 	Operational phase	As required	Environmental, Health and Safety Control Officers	MTC Namibia: Operation and maintenance Site Managers

Section	Sources of Impact/ Activity	Aspect	Management Actions	Project Phase	Frequency	Implementation	Responsibility
SECTION H	Health and Safety	4. Electromagnetic Radiation (EMR)	cellphone technology, and EMR. • MTC should regularly measure the radiation output of network structures. Should the output levels show signs of progressive increase it might be necessary to reduce the output levels. • The National Radiation Protection Authority should be involved to assess output levels of BTS particularly, but not limited to, when a concern is raised by a stakeholder.	Operational Phase	As required	National Radiation Protection Authority of Namibia	MTC Namibia: Operation and maintenance Site Managers
			 In densely populated areas, output levels should be measured more frequently. Any contravention should immediately be rectified. 	Operational Phase	Once every 3 months.	Environmental, Health and Safety Control Officers	MTC Namibia: Operation and maintenance Site Managers

5.2.9 Section I: Maintenance

	Sources of							
Section	Impact/	Aspect	Ma	nagement Actions	Project Phase	Frequency	Implementation	Responsibility
	Activity							
SECTION I	Maintenance	Property owners,	•	A convenient maintenance	Operation and	As required	Environmental,	MTC Namibia:
	of equipment	regional/local/		schedule should be prepared	Maintenance Phase		Health and Safety	Operation and
	Maintenance	traditional		and be shared with the			Control Officers	maintenance Site
	of roads and	authorities		Regional/local/traditional				Managers
	powerlines			authorities, property owners				
				(for inside property sites) and				
				neighbours closest to the sites.				
				This will ensure that they are				
				aware of when to expect the				
				movement of the workforce				
				team and vehicles in the area.				
			•	The maintenance workforce				
				should adhere to the rules and				
				regulations of the specific				
				project areas (if any).				
			•	The communication with the				
				neighbours and/or property				
				owners should be continued.				
			•	Ensure that issues raised by				
				the owners or authorities				

Section	Sources of Impact/ Activity	Aspect	Management Actions	Project Phase	Frequency	Implementation	Responsibility
SECTION	Maintananca	Wasta	should immediately be addressed. • When passing through someone's property (property owner), the maintenance team should ensure that gates or entrances are closed and locked (as found).	Operation	Ac required	Environmental	AATC Nomibia.
SECTION I	Maintenance of equipment Maintenance of roads and powerlines	Waste management	 All waste produced from maintenance or brought to the sites must be removed and disposed of at the nearest municipal dumping site after maintenance. No waste of any kind may be left or buried at the sites after maintenance. 	Operation and Maintenance Phase	As required	Environmental, Health and Safety Control Officers	MTC Namibia: Operation and maintenance Site Managers
SECTION I	Vehicular Traffic	Road Safety	The same access roads that were used during construction work should be used during this phase to avoid damaging	Operation and Maintenance Phase	As required	Environmental, Health and Safety Control Officers	MTC Namibia: Operation and maintenance Site Managers

Section	Sources of Impact/ Activity	Aspect	Management Actions	Project Phase	Frequency	Implementation	Responsibility
			the undisturbed surrounding environment. • Equipment and materials loaded onto vehicles must be properly secured to completely avoid items falling off the vehicle and hurt other roads users, especially pedestrians.				

5.2.10 Section J: Decommissioning and rehabilitation of site, powerline or road

Section	Sources of Impact/ Activity	Aspect	Management Actions	Project Phase	Frequency	Implementation	Responsibility
SECTION J	Decommissioning	1. Waste	All materials and waste should	Decommissioning	As required	Environmental,	MTC Namibia:
		Management	be removed and waste should	and closure		Health and Safety	Operation and
			be disposed of at the nearest			Control Officers	maintenance Site
			municipal dumping site.				Managers
			No waste of any kind may be				
			left or buried at the sites after				
			decommissioning/closure.				
		2. Erosion	• Erosion control measures	Decommissioning	As required	Environmental,	MTC Namibia:
		Control	should be implemented to	and closure		Health and Safety	Operation and
			ensure that the topsoil is not			Control Officers	maintenance Site
			washed away and erosion				Managers
			gullies do not develop.				
		3. Rehabilitation	All disturbed areas shall be	Decommissioning	As required	Environmental,	MTC Namibia:
			reshaped to their original	and closure		Health and Safety	Operation and
			contours; as close as possible			Control Officers	maintenance Site
			to the natural conditions				Managers
			before construction				
			commenced, including the				
			road reserve, detours,				

Section	Sources of Impact/ Activity	Aspect	Management Actions	Project Phase	Frequency	Implementation	Responsibility
			construction camps, and				
			temporary access routes				
			Alien vegetation particularly				
			the Downy thorn apple (<i>Datura</i>				
			innoxia) and Wild tobacco				
			(Nicotiana glauca) that has				
			appeared in the project				
			corridor during construction				
			must be eradicated.				

5.3 Specific Management Actions

5.3.1 Incident and Emergency Response Preparedness

In line with requirements of best practice environmental management planning and the relevant standards / guidelines, the impact assessment should identify potential emergency situation and the EMP should include an incident and emergency response plan. In this regard, and emergency situation or incident is defined as any situation where upset conditions pose an immediate risk to health, life, property or the environment. In the context of the project EMP, upset conditions are defined as conditions which fall outside the scope of normal operations and associated management measures. Most emergencies require urgent intervention to prevent a worsening of the situation, although in some situations, mitigation may not be possible and only palliative care can be offered in the aftermath.

With reference to the flow diagram presented in **Figure 5-1** below, a closed loop system of emergency planning, response, recovery and mitigation - the Emergency Management Cycle - is proposed. It is using this approach that the proposed emergency situation response action plans included in the EMP have been drafted. It is recommended that these draft action plans be updated during the EPCC phase of the project and be regularly reviewed and updated during the life of the project and as part of change management.

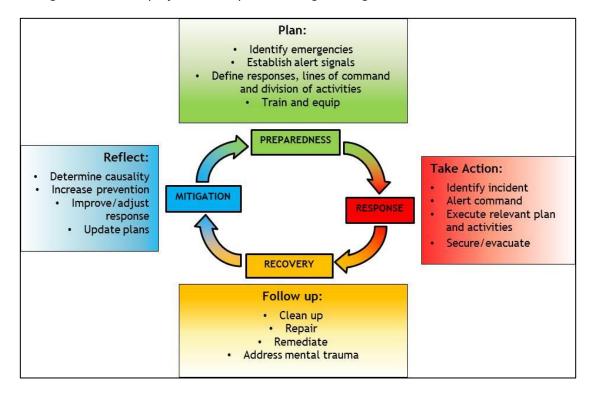


Figure 5-1: The Emergency Management Cycle (Source: GCS Water & Environmental, 2015)

5.3.2 Stakeholder Management and Grievance Mechanism

Public involvement is essential not only in the planning phases of a project but throughout the life of a project. Proponents are required to hold regular meetings with land users and local authorities in the project area to assess the development of the project, the environmental and socio-economic impacts and compliance with environmental management instruments. In addition, a grievance mechanism will be established through appropriate channels that are accessible to all parties, without prejudice or fear of repercussions and anonymity can be maintained, if requested.

In order to ensure on-going stakeholder engagement and two-way channels of communication, the following mechanisms will be implemented:

- The database of registered IAPs from this environmental assessment process is to be maintained and updated as necessary;
- Contact details of the applicable phase site manager to be provided to authorities and registered IAPs;
- Project progress updates, and notifications of any ad hoc deviations from planned project activities are to be sent to all stakeholders as required;
- An open door policy is to be maintained (parties to report to security at the site access); and
- The comments and responses register compiled for this environmental process is to be maintained and updated as necessary by the applicable phase site manager for the life of the project.

Prior to construction, the following engagement procedures should be done:

- Local authorities (municipalities, town and village councils), traditional authorities, regional council offices (including Constituencies) and all affected property owners, should be consulted after the determination of optimal sites. This will be done in order to gather the authorities and property owners' inputs and make adjustments to the location of the sites, where necessary.
- Public meetings (if applicable) should be scheduled to ensure that the local community is aware of the proposed development and to get their inputs/comments on the proposed site locations.

In addition to the above pre-construction requirements, specific communication measures that applies to all phases of the project are given in **Table 5-1** below.

Table 5-1: Some communication measures that should be applied to all project phases

Project Phase	Communication with	Responsibility	Mode of communication	Frequency	Aspect
Planning and	Property owners,	Environmental	In writing and Face-to-Face	Prior to construction	Information on the final
Design	Local and traditional	Assessment Practitioner	Engagement (meetings)		site locations.
	Authorities and Regional Councillors	MTC Namibia/Proponent			Obtaining certain portion of land to put up the
	Local community	MTC Namibia/Proponent	Engagement meetings		structure.
Construction	Property owners, Local and traditional Authorities and Regional Councillors	Contractors	In writing		Obtaining permission to access local/regional council land and/or private properties.
Operational and Maintenance	Property owners, Local and traditional Authorities and Regional Councillors	MTC Namibia	In writing	Prior to maintenance	Notification on when maintenance team is expected to be on the properties/in the area.
Decommissioning	Property owners, Local and traditional Authorities and Regional Councillors	MTC Namibia	In writing and if necessary Face-to-Face engagement meetings	Prior to decommissioning	Notification of closure/decommissioning of some if not all network structures in the areas.

6 STEP 4: MONITORING, AUDITING AND REPORTING

6.1 Inspections and Audits

During the life of the project, performance against the EMP commitments will need to be monitored, and corrective action taken where necessary, in order to ensure compliance with the EMP and relevant enviro-legal requirements.

6.1.1 Internal Inspections/Audits

The following internal compliance monitoring programme will be implemented:

- Project kick-off and close-out audits will be conducted on all Contractors. This
 applies to all phases, including maintenance and repair contract work during
 operations:
 - Prior to a contractor beginning work, an audit will be conducted by the applicable phase site manager to ensure that the EMP commitments are included in Contractors' standard operating procedures (SOPs) and method statements.
 - Following completion of a Contractors work, a final close-out audit of the contractor's performance against the EMP commitments will be conducted by the applicable phase site manager.
- Monthly internal EMP performance audits will be conducted during the construction and decommissioning phases.
- Ad hoc internal inspections can be implemented by the applicable phase site manager at his/her discretion, or in follow-up to recommendations from previous inspection/audit findings.

6.1.2 External Audits

At the close of each project phase, and annually during the operational phase, an independently conducted audit of EMP performance will be conducted.

Specialist monitoring/auditing may be required where specialist expertise are required or in order to respond to grievances or authorities directives.

Officials from the DEA may at any time conduct a compliance and/or performance inspection of MTC's operations. MTC will be provided with a written report of the findings of the inspection. These audits assist with the continual improvement of the national project and MTC will use such feedback to help improve its overall operations.

6.1.3 Documentation

Records of all inspections/audits and monitoring reports will be kept in line with the EMS (Section 5.2). Actions will be issued on inspection/audit findings. These will be tracked and closed out via the EMS.

6.1.4 Reporting

Environmental compliance reports will be submitted to the Ministry of Environment and Tourism on a bi-annual basis.

6.2 Environmental Management System Framework

In order implement Environmental Management Practices, an Environmental Management System (EMS) will be established and implemented by MTC Namibia and their Contractors (depending on the management actions as assigned in Section 5). This subchapter establishes the framework for the compilation of a project EMS. The applicable phase site managers will maintain a paper based and/or electronic system of all environmental management documentation. These will be divided into the following main categories:

6.2.1 Policy and Performance Standards

A draft environmental policy and associated objective, goals and commitments has been included in subchapter 5.1 of this EMP. MTC Namibia may adapt these as necessary.

6.2.2 Enviro-Legal Documentation

A copy of the approved environmental assessment and EMP documentation will be available on site at all times. Copies of the Environment Clearance Certificate and all other associated authorisations and permits will also be kept on site. In addition, a register of the legislation and regulations applicable to the project will be maintained and updated as necessary.

6.2.3 Impact Aspect Register

A register of all project aspects that could impact the environment, including an assessment of these impacts and relevant management measures, is to be maintained. This Draft EMP identifies the foreseeable project aspects and related potential impacts of the proposed project, and as such forms the basis for the Aspect-Impact Register; with the Project Activity - Impact Relationship summarised in provided in scoping report serving as a draft Aspect-Impact Register. It is however noted that during the life of the project additional project aspects and related impacts may arise which would need to be captured in the Aspect-Impact Register. In this regard, the impact identification principles set forth in the scoping report (public participation chapter) can be used to update the Register. This method can be

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modified as required by the applicable phase site managers as necessary during the life of the project.

6.2.4 Procedures and Method Statements

In order to effect the commitments contained in this EMP, procedures and method statements will be drafted by the relevant responsible project staff and Contractors. These include, but may not be limited:

- Standard operating procedures for environmental action plan and management programme execution;
- Incident and emergency response procedures;
- · Auditing, monitoring and reporting procedures; and
- Method statements for EMP compliance for ad hoc activities not directly addressed in the EMP action plans.

All procedures are to be version controlled and signed off by the applicable phase site manager. In addition, knowledge of procedures by relevant staff responsible for the execution thereof must be demonstrable and training records maintained.

6.2.5 Register of Roles and Responsibilities

During project planning and risk assessments, relevant roles and responsibilities will be determined. These must be documented in a register of all environmental commitment roles and responsibilities. The register is to include relevant contact details and must be updated as required.

6.2.6 Site Map

An up to date map of the site indicating all project activities is to be maintained. In addition to the project layout, the following detail must be depicted:

- Materials handling and storage;
- Waste management areas (collection, storage, transfer, etc.);
- Sensitive areas;
- Incident and emergency equipment locations; and
- Location of responsible parties.

6.2.7 Environmental Management Schedule

A schedule of environmental management actions is to be maintained by the applicable phase site managers and/or relevant Contractors. A master schedule of all such activities is to be

kept up to date by the site managers. Scheduled environmental actions can include, but are not limited to:

- Environmental risk assessment;
- Environmental management meetings;
- Soil handling, management and rehabilitation;
- Transmission right-of-way activities;
- Waste collection and associated facility maintenance/servicing;
- Environmental management infrastructure maintenance;
- Incident and emergency response equipment evaluations and maintenance
- Environmental training;
- Stakeholder engagement;
- · Environmental inspections; and
- · Auditing, monitoring and reporting.

6.2.8 Change Management

The EMS must have a procedure in place for change management. In this regard, updating and revision of environmental documentation, of procedures and method statements, actions plants etc. will be conducted as necessary in order to account for the following scenarios:

- Changes to standard operating procedures (SOPs);
- Changes in scope;
- Ad hoc actions;
- · Changes in project phase; and
- · Changes in responsibilities or roles

All documentation will be version controlled and require sign off by the applicable phase site managers.

6.3 Recommendations for monitoring of bird impacts

The following monitoring actions should be conducted by MTC Namibia. An Avifaunal specialists can be contacted to advise on methodology and provide training to the designated personnel, if required. The following monitoring initiatives should be initiated by MTC Namibia, in collaboration with and with the support of other partners:

- Ensure that the mast site and the entire associated power line route are
 monitored in an acceptable way for any signs of bird mortalities resulting from
 construction and operational activities; ideally, conduct regular dedicated
 monitoring patrols once a month for at least the first year after construction,
 and thereafter at least once per quarter. Promote awareness about the need for
 reporting collision incidents, and clarify the reporting procedures.
- Record all bird mortalities on a standardized form, with the GPS coordinates and structure and other details, and photographs of the carcass (especially the head of the bird) and relevant structure and general habitat; forward a copy of each report to the avifauna specialists for further investigation.
- Should monitoring indicate that collisions and/or electrocutions are taking place on mast or power line structures, further suitable mitigation measures must be applied.
- Monitor the effectiveness of mitigation measures; retrofit further mitigation in identified problem areas, and replace devices as and when necessary.
- Monitor perching activities of live birds on mast and associated power line structures.
- Monitor nesting activity on network structures and, if it becomes a problem, address by means of mitigation measures (e.g. consult the Ministry of Environment and Tourism (MET) regarding the removal of nesting material during the non-breeding season).

7 CONCLUSIONS

Based on the management actions and recommendation given in this EMP, GCS is confident that the proposed construction of low risk BTS sites in the Oshana Region, as described in Chapter 1 of this EMP may be granted an Environmental Clearance Certificate, provided that the EMP is implemented and that all the legal requirements pertaining to this activity are complied with.

ADDENDUM 1

SCOPING ASSESSMENT FORM-TEMPLATE

SITE DESCRIPTION		
Name of site		
Describe site location		Attachment 1: Site Map []Y [] N
Who owns the land?		
Description of		
geographic, physical,		
biological,		
geological,		
hydrographic and		
socio-economic		
context		
DESIGN DETAILS		
Antenna		
Structure		
Power Output		
Source of Power		
Source of Water		
PUBLIC CONSULTATIO	N	
Identify when /		
where the public		
consultation process		
took place with:		
a) neighbours		
b) authority		
c) avifauna		
specialist		
Attach proof or		
description of		
outcome.		

ADDENDUM 2

CURRICULA VITAE (CV) FOR EAP

ADDENDUM 3

ENVIRONMENTAL CLEARANCE CERTIFICATE PREVIOUSLY ISSUED

ADDENDUM 4

PROOF OF AUDIT REPORTS SUBMITTED TO MEFT